

# AGENDA

Tuesday, March 13, 2018

**6:00 PM**

Prior Lake City Hall

[www.plslwd.org](http://www.plslwd.org)

## BOARD OF MANAGERS:

**Fred Corrigan, President; Marianne Breitbach, Vice President;**

**Charlie Howley, Secretary; Woody Spitzmueller, Treasurer; Curt Hennes, Manager**

Note: Indicated times are estimates; actual times may vary considerably. Individuals with items on the agenda or who wish to speak to the Board are encouraged to be in attendance when the meeting is called to order.

## Board Workshop 4:30 PM – Wagon Bridge Conference Room (Downstairs)

4:30-6:00 PM Introduce Mike Myser  
Cost Share Docket and 2017 SWCD Activities  
Emerging Issues

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- |                |      |  |
|----------------|------|--|
| 6:00 – 6:05 PM | 1.0  | <b>BOARD MEETING CALL TO ORDER, PLEDGE OF ALLEGIANCE &amp; SWEARING IN OF MANAGER MIKE MYSER</b>   |
| 6:05 – 6:10 PM | 2.0  | <b>PUBLIC COMMENT</b><br>If anyone wishes to address the Board of Managers on an item not on the agenda or on the consent agenda please come forward at this time, turn on the microphone and state your name and address. (The Chair may limit your time for commenting.)   |
| 6:10 – 6:15 PM | 3.0  | <b>APPROVAL OF AGENDA</b> (Additions/Corrections/Deletions)  |
| 6:15-7:15 PM   | 4.0  | <b>OTHER OLD/NEW BUSINESS</b>  |
|                | 4.1  | Introduction of new District employee, Jeff Anderson, Water Resources Technician   |
|                | 4.2  | Manager Presentations (Discussion Only)  |
|                | 4.3  | Annual Cost Share Docket: Troy Kuphal, Scott SWCD (Vote)   |
|                | 4.4  | SWCD Service Agreement and Scope of Work (Vote): Troy Kuphal <ul style="list-style-type: none"><li>• 2017 Work Report (Discussion Only)</li></ul>  |
|                | 4.5  | Aquatic Vegetation Survey Presentation: Steve McComas (Discussion Only)  |
|                | 4.6  | Programs & Projects Update (Discussion Only)   |
|                | 4.7  | Sedimentation at Spring Lake Weir (Vote)   |
|                | 4.8  | CAC Appointment of Marianne Breitbach (Vote)   |
|                | 4.9  | Acceptance of Contract for 2018 Spring Lake Alum Treatment (Vote)  |
|                | 4.10 | Minor Plan Amendment for Upper Prior Alum Treatment (Vote)   |
| 7:15-7:20 PM   | 5.0  | <b>CONSENT AGENDA</b><br>The consent agenda is considered as one item of business. It consists of routine administrative items or items not requiring discussion. Items can be removed from the consent agenda at the request of the Board member, staff member, or a member of the audience. Please state which item or items you wish to remove for separate discussion. |
|                | 5.1  | Meeting Minutes – February 13 Board Workshop & Board Meeting   |
|                | 5.2  | CAC Meeting Minutes—February 22  |

7:20-7:30 PM

**6.0     TREASURER'S REPORT**

6.1     Claims List (Vote)

6.2     Cash & Investments (Discussion Only)

6.3     Financial Report (Discussion Only)

7:30 – 7:35 PM

**7.0     UPCOMING MEETING/EVENT SCHEDULE:**

- CAC Meeting, Thursday, March 29 from 6:30-8:00 PM, Prior Lake City Hall
- CWCU: Sunday, April 22 from 12:30-2:30 P.M. with Rain Event April 29

# PRIOR LAKE – SPRING LAKE

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## W A T E R S H E D   D I S T R I C T

4.1 Introduction of new District employee, Jeff Anderson, Water Resources Technician

# PRIOR LAKE – SPRING LAKE

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## W A T E R S H E D   D I S T R I C T

### 4.2 Manager Presentations

Managers present information from liaison meetings or other water resources information.



# **2018 Prior Lake Spring Lake Cost Share Program Conservation Practices Payment Docket Draft 3/7/18**

The Prior Lake Spring Lake Watershed District (PLSLWD) Cost Share Program was created to provide funds to landowners for the implementation of conservation practices that protect and improve water quality in rivers, lakes, streams and other valuable water resources located in the District's jurisdictional area. Landowners, citizen groups and local units of government can request financial and technical assistance from PLSLWD and the Scott Soil and Water Conservation District (SWCD) through the cost share program for implementation of conservation practices. All requests are subject to approval by the PLSLWD Board of Managers.

This Conservation Practice Payment Docket lists practices that have been authorized for payments under the PLSLWD Cost Share Program. The docket consists of three parts: Program Provisions, General Conservation Practice Provisions, and Specific Conservation Practice Provisions. The Program and General Conservation Practice Provisions list the requirements that are applicable to all or multiple practices. The Specific Provisions list the payment method, rates and limits, practice lifespan, and specific provisions for each conservation practice.

## **PROGRAM PROVISIONS**

The following provisions are requirements for cost share funding under this program.

### **ELIGIBILITY:**

1. Financial payments may only be authorized for practices listed in this Docket. Non-docket practices required for the implementation of a docket practice shall be considered components of and subsidiary to the docket practice. Conservation payments for components will be included with the docket practice.
2. Financial assistance is authorized for conservation practices that:
  - a. Are designed and constructed following the contents of appropriate and most current technical standards, including but not limited to: the NRCS Field Office Technical Guide, MPCA Stormwater Manual, MPCA Protecting Water Quality in Urban Areas, NPDES General Stormwater Permit for Construction Activity, Minnesota Urban Small Sites BMP Manual, MDA Agricultural BMP Handbook for Minnesota, or other applicable local, state and federal regulations and standards which are consistent with this Docket.
  - b. Meet the general and specific conservation practice provisions for each practice included in the docket.
  - c. Except as otherwise noted, provide documentable environmental benefits, including but not limited to nutrient, sediment, and runoff volume reductions, from the benchmark condition.
  - d. Do not address erosion resulting from the direct impacts of development, unless the development occurred prior to applicable standards, such as NPDES permitting or local municipal or water management agency rules.
3. Financial assistance may be authorized for repairs to existing practices if financial assistance:
  - a. Was not previously provided for the project; or

- b. Was provided but the project is beyond the contract term and the risk of failure poses significant threat to water quality or infrastructure; or
  - c. Was provided and the project is within the contract term, but damage was caused by an act of God and the risk of failure poses significant threat to water quality or infrastructure.
- 4. A contract may be amended to cover costs associated with re-grading, re-seeding and re-mulching a project that has experienced erosion prior to final certification, as determined reasonable and necessary by the authorized District Technical Representative. The cost share rate shall not exceed the rate set in the approved contract. Such costs may be covered through an amendment to the cost share agreement.
- 5. Cost share may be authorized for expenses associated with installation of more durable erosion control measures, including but not limited to substituting crimped mulch with erosion control blanket, as determined reasonable and cost effective by the authorized Technical Representative.
- 6. Applicants who commence construction of a practice before an application for financial assistance is officially approved do so at their own risk and are not guaranteed funding. Work that starts before the applicant signs an official application is ineligible for financial assistance for that practice. Work that starts after the application is signed but before it is officially approved is eligible for reimbursement provided: a) an official waiver form is signed by the applicant before any work commences; and b) the contract is officially approved.
- 7. The approving authority may require an applicant to implement additional practices as a condition of financial assistance if the additional practice or practices are important to ensuring the integrity and/or benefit of the original practice. Financial assistance for projects on parcels that are not compliant with federal, state or local rules or regulations may be denied.

#### PAYMENT METHODS:

- 8. Two forms of financial assistance methods are authorized under the TACS program: incentives and cost share.
  - a. Incentives:
    - i. One-time – Payment is made upon certification of practice implementation.
    - ii. Annual – Payment is calculated for a specified number of years. Payment is made in two to four installments, the first of which is made upon certification of installation and any subsequent installments are made upon certification of establishment (typically after one full growing season). A single payment may be authorized for annual incentive payment projects if the site is already established, as certified by the District Technical representative
  - b. Cost Share: Cost share is a partial reimbursement to a cooperator to help offset the construction costs associated with implementing a practice. The maximum cost share rate is listed for each practice and shall be considered the maximum rate of actual construction costs or the estimated cost (whichever is less) of implementing the practice.
    - i. The maximum cost share rate for municipalities cannot exceed 50%.
    - ii. Individuals with the appropriate technical approval authority must be involved in the preparation of cost estimates, either as preparer or reviewer.
- 9. The cost share and incentive rates listed in this docket are maximums. The approving authority has discretion to reduce the maximum rate depending on public benefit. The total financial assistance paid to an applicant shall not exceed the maximum cost share or incentive rate allowed by the funding source's governing policies. The maximum local financial assistance paid to an applicant shall not exceed the

maximum cost share or incentive rate listed in this Docket. Other program rules regarding maximum payment rates and other limitations shall be observed. the

10. Federal, state and other non-local sources of funding shall be used to the maximum extent practicable; similarly, local funds shall be used to piggy-back other funding sources to the maximum extent practicable.

Some conservation practices require the applicant to apply for cost share from other sources (e.g. EQIP) before being eligible to receive local financial assistance. An applicant may apply for a waiver from this provision using a form provided by the District. The District Board may approve a waiver request upon determination that compliance with this provision would delay project construction, resulting in a significant increase in risk to public health, safety or the environment that could otherwise be avoided. Approved waiver requests shall be reported to the WPC.

11. The amount to be cost shared will be limited to that required for the practice to be installed. When additional or alternative work or material is performed or used at the landowner's request, any costs greater than the minimum required for the practice will be the responsibility of the owner. Maximum rates for in-kind labor costs shall be consistent with the most current Iowa Custom Rate Survey. Higher rates may be allowed in special circumstances, as determined necessary and reasonable by the District.
12. Practices that cost share on seeding will include all associated costs with implementing the seed plan.

#### APPROVAL PROCESS:

13. Completed applications shall be presented to the District Board for their formal consideration. Action to approve, approve with modification, or deny shall be documented in the meeting minutes. The District Director is authorized to sign and date application approved by the Board.
14. Approvals of applications for cost share are subject to the availability of funding.
15. The District shall send a letter notifying applicants of action taken by the approving authority. The letter shall, at a minimum, include a copy of the signed and dated contract and explain the next steps. Letters shall also be sent when action by the appropriate approving authority is taken to cancel a contract. A letter is not required for contract amendments.
16. Contracts (i.e. approved applications) exceeding \$20,000 in WMO funds shall be recorded on the property title at the county recorder's office. Recording of the contract notifies subsequent buyers of the existence of the practice or practices on the property and their obligation to maintain these practice(s) during the effective life. Procedures for recording shall follow guidance developed by the Board of Soil and Water Resources for the recording conservation practices.

#### EARNEST ACCOUNT:

17. Landowners requesting cost share funds for lakeshore restoration projects shall provide earnest money of \$250.00 per application. Earnest funds shall be collected prior to preparation of any preliminary design or application, and will be returned upon certification of the completed practice. Projects cancelled by the applicant will forfeit the earnest money.

#### PAYMENT PROCESS:

18. The following documentation shall be required as a condition for payment
  - a. Approved Certification Form for incentive payments
  - b. Approved Voucher Form for cost share payments

- c. Copies of receipts and/or paid invoices for all expenses. Applicants requesting reimbursement for in-kind services shall submit a signed statement indicating the services provided, rate, quantities
- d. The WMO and District Board may, with limitation, authorize the District Director to approve payments. The District Director shall, at the earliest opportunity, present all approved payments to the Board that approved the contract for their certification.

#### REPAYMENT OF FUNDS:

- 19. Should the applicant remove or fail to maintain the practice during its effective life, the applicant is liable to the District or other financial assistance source agency for the full amount of financial assistance received to install and establish the practice. The applicant is not liable for cost-share assistance received if the failure was caused by reasons beyond the applicant's control.

#### GRANT PROVISIONS:

- 20. For projects cost shared using funds from a federal, state or other non-local grant source, the cost share rates, eligible practices, and other related provisions set forth in the approved grant agreement, if different, shall prevail.

#### STAFF CREDENTIALS

- 21. The Scott District will ensure staff has the necessary skill, training and experience to plan, design and construct projects according to applicable standards and specifications. Building credentials and maintaining or seeking certifications to retain knowledgeable staff is a high priority of the District, and funding for training purposes is incorporated into the District's approved annual budget.

Technical expertise of the District currently includes:

- a. 2 certified professionals in erosion and sediment control;
- b. 2 certified wetland delineators-in-training; and
- c. 8 staff with USDA – Natural Resources Conservation Service Job Approval Authority for ecological and engineering sciences

When professional engineering is required by law, or the size or complexity of a specific conservation practice requires expertise above District technical capacity, the District will utilize a private professional engineer licensed to practice in the State of Minnesota, or an appropriately-licensed engineer employed with the Minnesota Board of Water and Soil Resources or the USDA - Natural Resources Conservation Service.

#### DELEGATION

- 22. In 2015, the SWCD Board authorized the District Director to approve payments for projects completed under approved cost share applications, subject to Board certification at their next regular meeting. In March 2017, the SWCD Board authorized the District Director to sign Board-approved financial assistance applications.

#### GENERAL CONSERVATION PRACTICE PROVISIONS

The following provisions apply to the design and construction of conservation practices:

- 23. Soil Testing: A soil test may be required for any practice that targets the reduction of soil loss. The purpose of the soil test is to determine nutrient content of the soil so that more accurate estimates of phosphorus loading and reductions can be made. A soil test shall be performed for any practice requiring seeding of cool season, non-native grasses if the cooperator or contractor applies fertilizer in excess of the following rate per acre: Nitrogen (N) 80 lbs, Phosphoric Acid (P2O5) 80 lbs and Potash (K2O) 80 lbs. All soil tests shall

be from a soil testing laboratory shown on the Minnesota Department of Agriculture's list of approved Soil Testing Laboratories. Application rates of lime, commercial fertilizer, and manure shall be based on University of Minnesota recommendations, or from North Dakota's or South Dakota's Land Grant University. Soil testing requirements may be waived if acceptable soil tests from the site were taken within the previous three years.

24. Wetland Protection: NRCS Wetland Policy as found in the General Manual 190, Part 410 must be followed. This policy provides direction to the agency for compliance with the National Environmental Policy Act (NEPA). This policy prohibits NRCS from providing technical or financial assistance to participants that will adversely affect wetlands, unless the lost functions are fully mitigated.
25. Upland Treatment: As a requirement of eligibility, participants are required to perform upland treatment actions, through a conservation plan, according to Minnesota Conservation Planning Policy, and adequately address potential adverse impacts to conservation practices. Adverse impacts to conservation practices include, but are not limited to, increased siltation by water and/or wind borne soils, excessive runoff, degradation of vegetation practice components by pesticides transported in runoff and sediment, and degradation of wildlife habitat. Upland treatment shall, at a minimum, include controlling sheet and rill erosion to "I" and controlling all ephemeral gully erosion within the drainage area of the practice.
26. Materials: New materials must be utilized in the construction of practices, unless approved by a technical representative with appropriate Technical Approval Authority or licensed Engineer prior to installation.
27. Land Rights: Participants wanting to construct practices on land they do not own are responsible for obtaining easements, permits, right-of-way, water rights or other permission necessary to perform and maintain the practices. Expenses incurred due to these items are not eligible for cost share. The permission from the authority must be in writing and a copy must be provided to the Scott SWCD office prior to installation being made on the practice.
28. Permits: The applicant is responsible for obtaining all permits required in conjunction with the installation and establishment of the practice prior to starting construction of the project.
29. Operation and Maintenance: The applicant is responsible for the operation and maintenance of the conservation practice for the minimum lifespan listed in the specific provisions of this document.
30. Compliance with State and Local Regulations: Cost share may not be provided to an applicant that is in violation of any of the following
  - a. MN Rule 7020 (governing feedlots);
  - b. MN Rule 8420 (governing wetlands);
  - c. MN Statute 103F.48 (governing buffers);
  - d. Scott County Ordinance Chapter 70-8-11 (governing Shoreland zone); and
  - e. Scott County Ordinance No. 4 Chapter 1(governing septic systems, as evidenced based on visual observation of surface discharge or formal notification by the county).
  - f. MN Rule 8400 (governing Excessive soil Loss Control)

Regulatory compliance shall only apply to the following:

- g. The parcel of land on which the practice is being implemented; and

- h. Any parcel owned (or co-owned) by the applicant that is contiguous to the parcel on which the practice is being implemented (parcels separated only by road right-of-way or water feature, or which touch at a property corner, shall be deemed contiguous); and
- i. The applicant's primary residence and/or farmstead, if applicable.

Compliance with the buffer requirements under MN Statute 103F.48 shall be required as a condition of cost-share, regardless of applicability dates provided in the law. Compliance with the Excessive Soil Loss Control rule shall apply only if there is an outstanding formal complaint received by the county or District.

Notwithstanding the above, an applicant may be eligible for cost-share regardless of non-compliance, provided they sign and agree to implement a conservation plan that details specific actions and timelines for coming into compliance, and/or their cost share application is for a project intended to resolve the non-compliance issue.

An applicant may apply for a waiver from this section using a form provided by the District. The District Board may approve a waiver request upon determination that allowing the non-compliant situation to continue serves the greater public good than not installing the conservation practice for which cost share is being requested. Approved waiver requests shall be reported to the WPC.

## **SPECIFIC CONSERVATION PRACTICE PROVISIONS**

### **COST SHARE TIERS**

The following tiers are referenced in the Cost Share column in the table under each practice:

#### **Tier 1**

- Max Rate: 50% of actual construction costs, not to exceed 50% of cost estimate
- Minimum Requirements:
  - If upland treatment is required, the landowner or occupier must sign and follow a conservation plan agreement that achieves upland treatment on any cropland that a) drains to the practice and b) they either own or occupy.

#### **Tier 2**

- Max Rate: 75% of actual construction costs, not to exceed 75% of cost estimate
- Minimum Requirements:
  - If upland treatment is required, the landowner or occupier must sign and follow a conservation plan agreement that achieves upland treatment on any cropland that a) drains to the practice and b) they either own or occupy.
  - Complete a Conservation Assessment on all cropland within the FSA Farm on which the practice is being applied, plus any contiguous FSA Farm. If no FSA Farm ID exists, then the assessment must include all cropland within the parcel on which the project will be installed, plus any contiguous parcels.

#### **Tier 3**

- Max Rate: 90% of actual construction costs, not to exceed 90% of cost estimate
- Minimum Requirements:
  - If upland treatment is required, the landowner or occupier must sign and follow a conservation plan agreement that achieves upland treatment on any cropland that a) drains to the practice and b) they either own or occupy.
  - Achieve a minimum of 30% residue cover, after planting, on any field that intersects the contributing drainage area for the proposed project. The minimum residue cover shall be achieved over the entire crop rotation. Residue cover may be from last-year's crop, cover crops, and/or permanent vegetation; and
  - Complete a Conservation Assessment on all cropland within the FSA Farm on which the practice is being applied, plus any contiguous FSA Farm. If no FSA Farm ID exists, then the assessment must include all cropland within the parcel on which the project will be installed, plus any contiguous parcels.

The maximum cost share rates shown shall be inclusive of all sources.

Notwithstanding the above, the maximum cost share rate shall be seventy five (75%) for the following:

- Non-agricultural practices, including but not limited to streambank stabilization; and
- Practices that are otherwise treating erosion for which the primary cause is not agricultural land use immediately above the site; and
- As pertaining to Tier 3, above, the field in which the project is located, or is immediately downstream of, is not in a cash crop or grain/forage rotation, or the cause of the resource concern is not directly attributable to agricultural land use.

Farms and parcels separated only by a road, driveway, easement, or water feature, or which share a common corner, shall be deemed contiguous.

Conservation Assessments shall, at a minimum, address the following resource concerns: sheet, rill, inter-rill and gully erosion; buffers; manure management practices; open tile intakes; feedlot runoff, and sedimentation on neighboring property due to excessive soil loss.

Upland treatment shall include preventing ephemeral or classic gully erosion and controlling soil sheet and rill erosion to tolerable soil loss rate.

## PRACTICES

Practices eligible for financial assistance are listed below along with notes detailing specific conditions that apply to each.

### **PRACTICE STANDARD 712 – BIORETENTION BASINS**

	NRCS Code	Incentive Payment		Cost Sharing	Lifespan
		Type	Amount \$	Maximum Eligible Cost Share Rate	
Bioretention Basin (Redevelopment/Community)	712			50% of actual construction costs, not to exceed 50% of cost estimate	10 years
Residential Rain Gardens (if identified in a Local Water Plan)				50% of actual construction costs, not to exceed 50% of cost estimate	10 years
Residential Rain Gardens		1 time	\$250 - \$750		10 years

1. Upland treatment is required for cost shared projects. See General Conservation Practice Provision #3.
2. Materials eligible for cost share include plants, biologs, erosion control blankets, site preparation materials, edging, mulch, stakes and other items critical to the proper function of the rain garden. Materials not eligible for cost share include those items that do not benefit practice function, such as ornamental rock or other decorative items.
3. To qualify for the residential rain garden incentive payment, the applicant must participate in an approved rain garden class and construct the raingarden in accordance with applicable Blue Thumb guidelines. To qualify for cost sharing, a residential rain garden must be identified as a priority project in an approved Local Water Plan.
4. Incentives shall be limited to the following maximum amounts: \$250 for raingardens between 150 and 299 sq. ft.; \$500 for raingardens between 300 and 449 sq. ft.; and \$750 for raingardens greater than 450 sq. ft.

### **PRACTICE STANDARD 340 – CONTOUR BUFFER STRIPS**

	NRCS Code	Incentive Payment		Cost Sharing	Lifespan
		Type	Amount \$	Maximum Eligible Cost Share Rate	
Contour Buffer Strips – Non-harvestable	332	Annual	Current CRP Rate	50% of actual construction costs, not to exceed 50% of cost estimate	10 years
Contour Buffer Strips – Harvestable	332	Annual	75% of Current CRP Rate		10 years

1. WMO incentives may only be provided if the applicant had applied for CRP funding and was not accepted

### **PRACTICE STANDARD 340 – CONTOUR FARMING**

	NRCS Code	Incentive Payment		Cost Sharing	Lifespan
		Type	Amount \$	Maximum Eligible Cost Share Rate	
Contour Farming	332	Annual	\$20/acre		10 years



1. Eligibility for funding is limited to projects where contouring is implemented in conjunction with buffer strips or terraces, and dominant slopes in the field are 6% or greater.
2. This incentive is only available where current cropping practices would not meet the 340 practice standard.

#### PRACTICE STANDARD 340 – COVER CROP

	NRCS Code	Incentive Payment		Cost Sharing	Lifespan
		Type	Amount \$	Maximum Eligible Cost Share Rate	
Cover Crops – Multi-year	340	Annual	\$40/acre		3 Year
Cover Crops – Annual	340	On-time	\$20/acre		1 Year

1. Maximum payment for the multi-year incentive is \$12,000 per applicant (100 acres x \$40/acre x 3yrs).
2. Maximum payment under the annual incentive is \$2000.
3. To qualify for the multi-year incentive, cover crops must be planted on the same number of acres and on the same fields for a minimum of 3 consecutive years.
3. Payment shall be issued each year after the technical representative has certified seeding.
4. An applicant may, after an initial contract for multi-year incentives has been completed in accordance with applicable terms and conditions, be eligible to apply for additional multi-year incentives, up to a maximum of \$12,000, provided the applicant continues to plant cover crops all acreage covered under previous contract(s), and all land covered under the new contract is additional to any previous contract.
5. Seeding rates and dates may vary from NRCS practices standard guidelines subject to prior approval of a District Technical Representative with applicable knowledge and expertise. Payment for projects for which seeding rates, mixes, and/or dates deviate from NRCS guidelines shall be delayed until such time that successful establishment – based on density and health of the cover crop - can be evaluated and verified at the appropriate time based on species.

#### PRACTICE STANDARD 342 – CRITICAL AREA PLANTING

	NRCS Code	Incentive Payment		Cost Sharing	Lifespan
		Type	Amount \$	Maximum Eligible Cost Share Rate	
Critical Area Planting	342			Tier 1, 2 or 3	10 years

1. Upland treatment is required. See General Conservation Practice Provision #3.
2. Critical Area Planting (342) must be completed following an approved establishment and management plan.
3. Application through the USDA-NRCS EQIP program during a scoring and ranking period is prerequisite.

#### PRACTICE STANDARD 362 – DIVERSION

	NRCS Code	Incentive Payment		Cost Sharing	Lifespan
		Type	Amount \$	Maximum Eligible Cost Share Rate	
Diversion	362			Tier 1, 2 or 3	10 years

1. Upland treatment is required. See General Conservation Practice Provision #3.
2. The use of tile or other underground pipe to drain hillside seeps, low or wet spots in fields is not an eligible single component of this practice.
3. Diversion (362) is allowed as a stand-alone practice for feedlots when used as a clean water diversion.
4. If a Diversion (362) is a component of Wastewater and Feedlot Runoff Control (784), cost sharing is **NOT** authorized for the Diversion (362) as a stand-alone practice. The cost will be included in the cost of Wastewater and Feedlot Runoff Control (784).
5. Application through the USDA-NRCS EQIP program during a scoring and ranking period is prerequisite.

#### PRACTICE STANDARD 393 – FILTER STRIP

	NRCS Code	Incentive Payment		Cost Sharing	Lifespan
		Type	Amount \$	Maximum Eligible Cost Share Rate	

Filter Strip – New non-harvestable	393	Annual	\$300/ac for the NRCS minimum; \$150/ac for the area beyond the minimum, up to maximum of 75'		10-15 years
Filter Strip - New harvestable	393	Annual	\$300/ac for the NRCS minimum; \$150/ac for the area beyond the minimum, up to a maximum of 75'	75% of actual construction costs, not to exceed 75% of cost estimate (1)	10-15 years
Filter Strip - Re-enroll of expired harvestable	393	Annual	Current CCRP rate		10-15 years
Filter Strip - Re-enroll of expired non-harvestable to harvestable	393	Annual	Current CCRP rate		10-15 years
Sensitive Field Border (Harvestable)	393	Annual	\$200.00/ac		10 years

1. Cost share shall be limited to filter strips seeded to native grasses only.
2. Soil testing may be required for filter strips. See General Conservation Practice Provision #1.
3. The combined annual incentive payment authorized by the Scott WMO on eligible acres and the annual Continuous Conservation Reserve Program (CCRP) rental payment for new filter strips shall not exceed \$300/acre/year.
4. Sensitive field borders include the edges of fields that are not included in Standard 393, such as road ditches, drainage ditches without seasonal perennial stream characteristics, or other areas deemed sensitive. Minimum width is 33'.
5. Filter Strips located in areas where the maintenance of permanent natural vegetation is used to meet the requirements under Chapter 70-8-11, Scott County Zoning Ordinance and/or the Buffer Law under MN Statute 103F.48, are eligible for a one-time payment of \$200/acre for establishment of cool season grasses and \$500/acre for establishment of native grasses or prairie. Land enrolled in CRP or other program that pays for establishment costs is not eligible for this payment.
6. Non-harvestable filter strips are not eligible for renewal.
7. Harvestable filter strips must be harvested at least every other year.
8. Re-enrolled filter strips are eligible for funding up to the minimum width as set forth in the 393 standard, or 50', whichever is greater.
9. New harvestable filter strips must have crop history 4 of the past 6 years unless there are extenuating circumstances approved by the Watershed Planning Commission or County Board.
10. Incentives for renewal filter strips where vegetation is already established and consistent with applicable standards and specifications are eligible for a one-time payment.
11. Sites where upland runoff does not flow through the filter strip due to the presence of a levee (e.g. spoil piles) or negative slope shall not be eligible under this practice. They may, however, be eligible under the riparian Buffer Practice.
12. The NRCS minimum shall be based on removal of sediment and sediment associated material removal, as set forth in Table 1 of Filter Strip Standard 393, except in cases where the local water plan identified soluble material and pathogen removal as a priority, in which case the minimum may be as specified under the soluble materials and pathogens section of Table 1 of the Standard.
13. Livestock grazing may be used for maintenance, provided it is performed in accordance with an approved grazing plan.

#### **PRACTICE STANDARD 410 – GRADE STABILIZATION STRUCTURE**

	NRCS Code	Incentive Payment		Cost Sharing	Lifespan
		Type	Amount \$	Maximum Eligible Cost Share Rate	
Grade Stabilization	410			Tier 1, 2 or 3	10 years

1. Upland treatment is required. See General Conservation Practice Provision #3.
2. Cost is for earthwork and any seed and seeding expenses.
3. Application through the USDA-NRCS EQIP program during a scoring and ranking period is prerequisite.

## PRACTICE STANDARD 412 – GRASSED WATERWAY

	NRCS Code	Incentive Payment		Cost Sharing	Lifespan
		Type	Amount \$	Maximum Eligible Cost Share Rate	
Grassed Waterway	412			Tier 1, 2 or 3	10 years

1. Upland treatment is required. See General Conservation Practice Provision #3.
2. Cost is for earthwork and any seed and seeding expenses.
3. Application through the USDA-NRCS EQIP program during a scoring and ranking period is prerequisite.

## PRACTICE STANDARD – INNOVATIVE PRACTICES

	Incentive Payment		Cost Sharing	Lifespan
	Type	Amount \$	Maximum Eligible Cost Share Rate	
Innovative Practices (Redevelopment/Community)			50% of actual construction costs, not to exceed 50% of cost estimate	10 years
Innovative Practices (New Development)			50% of actual construction costs, not to exceed 50% of cost estimate	10 years
Conservation Drainage			75% of actual construction costs	10 years

1. Initial interest for innovative practices is discussed with Scott WMO staff.
2. Applications are taken by Scott SWCD staff.
3. Applications move directly to the WPC and are not reviewed by the Screening Committee. The WPC makes a recommendation to the WMO Board, who makes the final approval/disapproval decision.
4. Approved applications are assigned to Scott SWCD for technical assistance.
5. Eligible practices include regenerative dustless street sweepers, porous pavers, porous pavement, green roofs, and other practices determined on a case by case basis.
6. Conservation drainage practices included but are not limited to denitrifying bioreactors, water quality surface inlet protection and vegetative subsurface drain outlets.

## PRACTICE STANDARD – CONSERVATION COVER (aka NATIVE GRASS)

	NRCS Code	Incentive Payment		Cost Sharing	Lifespan
		Type	Amount \$	Maximum Eligible Cost Share Rate	
Cropland and Pastureland		Annual	\$175 to \$275/ac	50% of actual construction costs, not to exceed 50% of cost estimate	10 years
Other lands		1 Time	\$500/acre		10 years
Advance Construction Cover	TN 31	1 Time	\$200/acre	<u>Not to exceed \$1,000</u>	1 year
Maintenance (other than prescribed burn)		1 Time		50% of actual costs, not to exceed 50% of cost estimate	

1. Cropland includes any land where grain, vegetable, and/or forage crops have been grown and harvested in each of the last 3 years, and in at least 8 of the last 10 years. Pastureland includes any land that has been actively pastured by livestock for the last 3 years, and for at least 8 of the last 10 years. Hay land must consist of at least 25% alfalfa and have been harvested at least once in each of the last 3 years, and in a minimum of 8 of the last 10 years.
2. Maximum annual incentive rates shall be determined as follows: \$275/acre for soils with D or greater slopes and for areas within 300' of a protected water course, drainage ditch, Type III or greater wetland, intermittent stream as depicted on USGS quadrangle maps, or top of a bluff or ravine; \$225/acre for soils with C slopes; \$200/acre for soils with B slopes, and \$175/acre for soils with A slopes.
3. Notwithstanding 2. above, payment shall be limited to a maximum amount such that the overall total cost benefit for volume reduction does not exceed \$2000 per acre foot of runoff.

4. Cost share for establishment may include site prep, seeding and first-year mowing.
5. Upland treatment is required
6. The minimum project size for the one-time incentive is 1/2. Payment for the one-time incentive is pro-rated based on actual size.
7. Land where the maintenance of permanent natural vegetation is required under Chapter 70-8-11, Scott County Zoning Ordinance and/or MN Statute 103F.48, may only be eligible for the 1 time payment of \$500/acre.
8. Application through CRP or related program is prerequisite for projects over 10 acres, if the site meets CRP program eligibility requirements and the program has acres and is actively accepting applications.
9. By default, Practice Standard 327 will be used. Practice Standards 643 and 645 may be used if preferred by the applicant, required by a grant, and deemed technically feasible by the technical representative; maximum costs shall, however, shall be based on meeting 327. Planting of trees consistent with the practice standard may be included as eligible construction costs, at the time of initial seeding or within 5 years of initial seeding. Eligible expenses include stock, tree mats, and temporary tree protectors.
10. An applicant may apply for Advance Construction Cover (ACC) payment for land seeded to temporary grasses or small grains for the purpose of accommodating construction of conservation practices when cash grain crops would otherwise be growing. The intent of this payment is to offset lost revenues in order to encourage mid- to late-summer construction when successful stabilization and contractor availability can be maximized. Species selection and seeding rates and methods must be consistent with Technical Note 31, as revised, and must be completed in the fall or spring prior to planned construction. Payments shall be subject to construction of the proposed project being completed between July 1st and September 10th. ACC shall be included as an eligible component of the primary practice, not as a separate, stand-alone practice.
11. Maintenance under this practice may include mowing, disking or other method approved by the WMO or its agent. Applications for maintenance must be made separate from applications for establishment and annual or one-time incentive payment. The intent is to provide funding assistance for maintenance in years 4 or 5 after establishment. Cost share for maintenance may not be provided more than one time per applicant, per ten years. Cost share for prescribed burn shall follow requirements under that practice standard (below).
12. Grazing is a permitted maintenance option. It must, however, be performed in accordance with an approved grazing plan and is not eligible for cost share.
13. A landowner may apply for funding for up to 10 additional years upon expiration of their original contract. The approving authority may, at its discretion, approve, approve with modification, or deny any such application, based on its determination of public benefit. Consideration of benefit shall be based cost compared to any or all of the following: potential threat to water quality should the land return to agricultural use, in whole or part; minimum acreage necessary to maintain comparable the water quality benefits as achieved with the original project; level of impairment of the receiving water body; and available funds.

#### **PRACTICE STANDARD – NATURAL SHORELINE RESTORATION and/or STABILIZATION**

	NRCS Code	Incentive Payment		Cost Sharing	Lifespan
		Type	Amount \$	Maximum Eligible Cost Share Rate	
Natural Shoreline Restoration		1 time		50% of actual construction costs, not to exceed 50% of cost estimate	10 years
Shoreline Stabilization	580			75% of actual construction costs, not to exceed 75% of cost estimate	10 years
Streambank Stabilization	580			50% to 75% of actual construction costs, not to exceed cost estimate	10 years

1. To qualify for natural lakeshore restoration funds, the applicant must participate in an approved natural lakeshore restoration class.
2. Applications for cost share funding will be reviewed by the Screening Committee prior to consideration by the WPC.
3. Project designs shall meet the intent of restoring the shoreline to predominantly natural conditions, including but not limited to the use of natural and native vegetative buffers, limiting turf grass, and using bioengineering methods. Minimum specifications include a 10 feet wide seeded native vegetation buffer along no less than 50% of the total width of the lot, less the footage or shoreline having existing natural and desirable vegetation. Where agriculture is adjoining land use an area of unmaintained vegetation or conservation plan must be in place in accordance with County Shoreland Rules.

4. Funding for hard armor practices (e.g. rock riprap) are not eligible for funding unless bio-engineering methods are determined to be an insufficient means of needed stabilization.
5. Upland treatment is required. See General Conservation Practice Provision #3.
6. Streambank Stabilizations must be reviewed by the Screening Committee with the cost share amount being discretionary depending on project benefits.

#### PRACTICE STANDARD – NUTRIENT MANAGEMENT

	NRCS Code	Incentive Payment		Cost Sharing	Lifespan
		Type	Amount \$	Maximum Eligible Cost Share Rate	
Manure Testing	NA			100% of Actual Cost	1 year
Variable Rate Application	NA	1-time	\$10/ac		1 year

1. Manure testing kits are available through Scott SWCD.
2. Eligibility is limited to a maximum of \$2,000 per applicant, in either a single contract or contracts over multiple years. Payment may not be made more than one time on any given acre or field.
3. Funds for VRA shall be prioritized for producers that do not already use VRA as the primary means of fertilizer application for their operation.
4. Sheet and rill erosion shall be controlled to tolerable soil loss rates, and ephemeral gully erosion shall be controlled on all cropland covered under the VRA application, as determined by a conservation assessment. If current practices do not meet T or control ephemeral erosion, then the applicant may become eligible for VRA incentives by agreeing to follow a Conservation Plan.
5. Manure shall be credited and all fertilizer application rates shall be consistent with U of M recommendations.
6. Copies of paid invoices from the applicator (if not the applicant) and maps showing grid sampling results, organic matter, and prescription rates shall be submitted as a condition of payment. The applicator shall attest that application was completed in accordance with the prescription map, by signing a form prepared by the District.
7. The Technical Representative has discretion to withhold payment for acreage where sampling results and or application rates do not appear reasonable or accurate.

#### PRACTICE STANDARD 338 – PRESCRIBED BURNING

	NRCS Code	Incentive Payment		Cost Sharing	Lifespan
		Type	Amount \$	Maximum Eligible Cost Share Rate	
Prescribed Burning	338	1 Time		50% of actual construction costs, not to exceed 50% of cost estimate	5 years

1. A detailed burn plan describing the practice objective, species to control and species to be benefited, timing, weather conditions and management guidelines will be developed.
2. Technical assistance will be provided by a technically qualified and adequately insured individual.
3. All laws and regulations pertaining to burning will be followed.
4. **The conservation plan must document that the landowner has been notified in writing that they are subject to all liability due to damages caused by fire.**
5. It is the landowner's responsibility to obtain all permits and to notify surrounding landowners that may be affected.
6. Cost share is eligible once every 5 years for projects that were established without cost share assistance, or are not within the term of a cost share contract.
7. Associated costs with obtaining and notification of neighbors, units of government, and agencies are entirely the landowner's expense.
8. Cost share may not be provided more than one time for projects that are within the term of a cost share contract.

#### PRACTICE STANDARD 390 and 391 – RIPARIAN BUFFER

	NRCS Code	Incentive Payment		Cost Sharing	Lifespan
		Type	Amount \$	Maximum Eligible Cost Share Rate	

Forested Stream Buffer Improvement >1 ac parcel	391			Up to \$1,000/acre for plants, seeds, labor and materials	15 years
Herbaceous or Forested Buffer Establishment (Native Vegetation)	390 or 391	Annual	\$150/ac up to 50 foot width	75% of actual construction costs, not to exceed 75% of cost estimate	10-15 years
Herbaceous or Forested Buffer Establishment	390 or 391	Annual	\$150/ac up to 50 foot width		10-15 years

1. A potential tax credit exists for parcels greater than 20 acres.
2. Projects can be either new establishment or renovation.
3. Plan required from the District.
4. Minnesota Conservation Corps may be used for labor counting as part of the cost share

#### **PRACTICE STANDARD 600 – TERRACE**

	NRCS Code	Incentive Payment		Cost Sharing	Lifespan
		Type	Amount \$	Maximum Eligible Cost Share Rate	
Terrace	600			Tier 1, 2 or 3	10 years

1. Upland treatment is required. See General Conservation Practice Provision #3.
2. The use of Subsurface Drain (606) or Underground Outlet (620) to drain hillside seeps, low or wet spots in fields is not an eligible single component of this practice. The land occupier shall identify, in writing the purpose of the larger tile and indicate the area that it will serve. The difference in cost of installing tile larger than that specified by the technician will be borne by the producer.
3. Cost sharing for Underground Outlet (620) is limited to the diameter and length needed to convey water from surface intakes to a safe outlet as determined by the designer.
4. Cost sharing for Subsurface Drain (606) is limited to drains needed in the impounded area of the terrace as determined by the designer.
5. Application through the USDA-NRCS EQIP program during a scoring and ranking period is prerequisite.

#### **PRACTICE STANDARD 620 – UNDERGROUND OUTLET**

	NRCS Code	Incentive Payment		Cost Sharing	Lifespan
		Type	Amount \$	Maximum Eligible Cost Share Rate	
Underground Outlet	620			Tier 1, 2 or 3	10 years

1. Cost sharing is limited to replacing existing surface tile inlets.

#### **PRACTICE STANDARD 635 – VEGETATED TREATMENT AREA (formerly Wastewater Treatment Strip)**

	NRCS Code	Incentive Payment		Cost Sharing	Lifespan
		Type	Amount \$	Maximum Eligible Cost Share Rate	
Level 2 to 4 Vegetated Treatment Area – lot size of 1 acre or less	313			Tier 1, 2 or 3	10 years
Level 2 to 4 Vegetated Treatment Area – lot size of 1.1 acre to 2 acres	313			Tier 1, 2 or 3	10 years

Level 2 to 4 Vegetated Treatment Area – lot size 2.1 to 5 acres	313			Tier 1, 2 or 3	10 years
Level 2 to 4 Vegetated Treatment Area – lot size greater than 5 acres	313			Tier 1, 2 or 3	10 years
Level 5 Control – vegetated buffer	313			Tier 1, 2 or 3	10 years

1. Payment is limited to where the implementation of this practice will correct an existing pollution problem. As outlined by the EQIP manual, any EQIP contract that includes an animal waste storage or treatment facility will provide for the development of a CNMP prior to implementation of the storage or treatment. MPCA's definition is used to define a pollution problem.
2. Consult EQIP General Provision 12 for Comprehensive Nutrient Management Plan (CNMP) requirements.
3. Consult EQIP General Provision 13 for requirements related to manure application land base and/or manure applications on land not owned or controlled by the EQIP contract holder.
4. Payment for Vegetated Treatment Area on operations with pollution problems less than 5 years old is not authorized.
  - a. Examples:
    - i. Producer A has had a dairy farm operation for 20 years. Producer B purchases the dairy and continues milking cows. This pollution problem is greater than 5 years old and producer B meets this eligibility requirement for Payment assistance.
    - ii. A producer has a dairy operation on farm A. He purchases farm B and moves the dairy operation to farm B where there was no previous pollution problem. Farm B would be considered a new facility and would not be eligible for Payment assistance.
5. Payment is not authorized for Vegetated Treatment Area on operations where the system establishment is required as a result of judicial or court action. MPCA Stipulation Agreement and Schedule of Compliance (SOC) are not considered a judicial or court action, and practice implementation is still considered voluntary for EQIP eligibility purposes, even if fines have been levied by the MPCA.
6. Application through the USDA-NRCS EQIP program during a scoring and ranking period is prerequisite.

#### **PRACTICE STANDARD 313 – WASTE STORAGE FACILITY**

	NRCS Code	Incentive Payment		Cost Sharing	Lifespan
		Type	Amount \$	Maximum Eligible Cost Share Rate	
Concrete or Metal Tank	313			Tier 1, 2 or 3	10 years
Stacking Slab	313			Tier 1, 2 or 3	10 years
Pond – composite liner	313			Tier 1, 2 or 3	10 years
Pond – membrane liner	313			Tier 1, 2 or 3	10 years
Pond – no liner	313			Tier 1, 2 or 3	10 years
Pond – soil liner	313			Tier 1, 2 or 3	10 years
Concrete slab	313			Tier 1, 2 or 3	10 years
Non liquid tight deep pack – concrete wall	313			Tier 1, 2 or 3	10 years
Certification				75% of actual costs, not to exceed 75% of cost estimate, up to a maximum of \$1000	

1. The eligible volume of storage is the total storage volume, including the design storage volume plus freeboard as required in the standard. As outlined in Waste Storage Facility (313), the maximum design storage period is 14 months.
2. The maximum allowable storage volume is based on the current capacity of the existing facility plus up to 25% expansion.
3. Payment is limited to where the implementation of this practice will correct an existing pollution problem. As outlined by the EQIP manual, any EQIP contract that includes an animal waste storage or treatment facility will

provide for the development of a CNMP prior to the implementation of the 313. MPCA's definition is used to define a pollution problem.

4. Consult EQIP General Provision 13 for Comprehensive Nutrient Management Plan (CNMP) requirements.
5. Consult EQIP General Provision 14 for requirements related to manure application land base and/or manure applications on land not owned or controlled by the EQIP contract holder.
6. For purposes of this practice, "waste" refers to raw manure and urine; runoff water contaminated through contact with manure and urine; milking center wastewater; and silage leachate as appropriate.
7. Silage storage facilities are not eligible components. Payment for components addressing silage leachate concerns under Waste Storage Facility start at the edge of the silage storage facility.
8. For livestock operations that are not or will not be permitted under the NPDES system, silage leachate systems can be funded as stand-alone practices if these systems are the only livestock related practices being requested. The development of a CNMP IS required with a silage leachate system but the CNMP does NOT have to be implemented.
9. Payment is authorized for tanks that serve as foundations for buildings, however eligible costs are those associated with the storage function only. Payment is not authorized for production oriented building components.
10. Payment for Concrete Slab is authorized for concrete agitation and pump out pads, pond lining, ramps and chutes within the pond.
11. Payment is authorized for feedlot relocation, with the following provisions:
  - a. The payment for relocation shall be based on the most practical and feasible waste management facility at the existing site.
  - b. Payment at the new site is only authorized for components applicable to the transfer, storage, or treatment of wastes.
  - c. Existing location is to be abandoned in an environmentally safe manner as outlined in MPCA guidelines.
  - d. Operator must agree to permanently remove all livestock from the existing location along with any other designated pollution sources. The following statement shall be included in the EQIP contract: "As a condition of EQIP Payment on feedlot relocation, the producer agrees to permanently eliminate all animals and designated pollution sources at this facility. Failure to comply with this provision may result in a recovery of federal Payment funds."
  - e. In the event of a change in ownership, the abandoned lots will permanently not be eligible for future USDA Payment on waste management practices.
12. Payment for Waste Storage Facility (313) on operations with pollution problems less than 5 years old is not authorized.
  - a. Examples:
    - i. Producer A has had a dairy farm operation for 20 years. Producer B purchases the dairy and continues milking cows. This pollution problem is greater than 5 years old and producer B meets this eligibility requirement for Payment assistance.
    - ii. A producer has a dairy operation on farm A. He purchases farm B and moves the dairy operation to farm B where there was no previous pollution problem. Farm B would be considered a new facility and would not be eligible for Payment assistance.
13. Payment is not authorized for Waste Storage Facility (313) on operations where the system establishment is required as a result of judicial or court action. MPCA Stipulation Agreement and Schedule of Compliance (SOC) are not considered a judicial or court action, and practice implementation is still considered voluntary for EQIP eligibility purposes, even if fines have been levied by the MPCA.
14. State NRCS Conservationist approval is required for systems involving agricultural waste generated off-site.
15. Payment for Waste Storage Facility is capped at \$250,000. This cap applies to the total facility being installed under 313. Other components such as manure transfer, safety fence, etc. are allowed in the contract in addition to the capped \$250K for the 313 practice.
16. Non Liquid Tight Deep Pack – Concrete Wall is authorized only for stacking slabs where enough bedding or organic matter is added to the manure to eliminate liquid runoff or leaching and therefore a concrete floor is not required. The manure and organic pack resulting from the operation of a "Compost Barn" as defined by the University of Minnesota meets this definition.
17. Certification must be by an appropriately licensed professional engineer.
18. Application through the USDA-NRCS EQIP program during a scoring and ranking period is prerequisite.



**PRACTICE STANDARD 629 – WASTEWATER TREATMENT**

	NRCS Code	Incentive Payment		Cost Sharing	Lifespan
		Type	Amount \$	Maximum Eligible Cost Share Rate	
Flocculation Treatment	629			Tier 1, 2 or 3	10 years
Vegetated Dosing Area	629			Tier 1, 2 or 3	10 years
Bark Bed	629			Tier 1, 2 or 3	10 years
Aerobic Treatment	629			Tier 1, 2 or 3	10 years

1. Payment is limited to where the implementation of this practice will correct an existing pollution problem. As outlined by the EQIP manual, any EQIP contract that includes an animal waste storage or treatment facility will provide for the development of a CNMP prior to implementation of the storage or treatment. MPCA's definition is used to define a pollution problem.
2. Consult EQIP General Provision 13 for Comprehensive Nutrient Management Plan (CNMP) requirements.
3. Consult EQIP General Provision 14 for requirements related to manure application land base and/or manure applications on land not owned or controlled by the EQIP contract holder.
4. Payment for Wastewater Treatment on operations with pollution problems less than 5 years old is not authorized.
  - a. Examples:
    - i. Producer A has had a dairy farm operation for 20 years. Producer B purchases the dairy and continues milking cows. This pollution problem is greater than 5 years old and producer B meets this eligibility requirement for Payment assistance.
    - ii. A producer has a dairy operation on farm A. He purchases farm B and moves the dairy operation to farm B where there was no previous pollution problem. Farm B would be considered a new facility and would not be eligible for Payment assistance.
5. Payment is not authorized for Wastewater Treatment on operations where the system establishment is required as a result of judicial or court action. MPCA Stipulation Agreement and Schedule of Compliance (SOC) are not considered a judicial or court action, and practice implementation is still considered voluntary for EQIP eligibility purposes, even if fines have been levied by the MPCA.
6. Payment rate includes components needed for the actual waste treatment. Components needed for temporary storage and transfer of wastes are covered under separate practices.
7. Application through the USDA-NRCS EQIP program during a scoring and ranking period is prerequisite.

**PRACTICE STANDARD 638 – WATER AND SEDIMENT CONTROL BASIN**

	NRCS Code	Incentive Payment		Cost Sharing	Lifespan
		Type	Amount \$	Maximum Eligible Cost Share Rate	
Water & Sediment Control Basin	638			Tier 1, 2 or 3	10 years

1. The use of Subsurface Drain (606) or Underground Outlet (620) to drain hillside seeps, low or wet spots in fields is not an eligible single component of this practice. The landuser shall identify, in writing the purpose of the larger tile and indicate the area that it will serve. The difference in cost of installing tile larger than that specified by the technician will be borne by the producer.
2. Upland treatment is required. See General Conservation Practice Provision #3.
3. Cost sharing for Subsurface Drain (606) is limited to drains needed in the impounded area of the basin as determined by the designer.
4. Farmable WASCOD is eligible only if it is the most practical alternative, as determined by the District.
5. Application through the USDA-NRCS EQIP program during a scoring and ranking period is prerequisite.

**PRACTICE STANDARD 351 – WELL DECOMMISSIONING (Unused Well Sealing)**

	NRCS Code	Incentive Payment		Cost Sharing	Lifespan
		Type	Amount \$	Maximum Eligible Cost Share Rate	
Well Decommissioning	351			75% of actual construction costs, not to exceed 75% of cost estimate	10 years

1. Maximum cost share amount from all sources shall be \$1000, except for wells that are being abandoned as part of a public water supply expansion project, in which case the maximum cost share amount shall be \$400.
2. Maximum cost share for state cost share funds is 50%.

#### **PRACTICE STANDARD 657 – WETLAND RESTORATION**

	NRCS Code	Incentive Payment		Cost Share	Lifespan
		Type	Amount \$	Maximum Eligible Cost Share Rate	
Wetland Restoration	657	1 Time	\$2,000/Ac.	Up to 90% of actual construction costs, not to exceed 90% of cost estimate	15 years
		1 Time	Approved Bid	Up to 90% of actual construction costs, not to exceed 90% of cost estimate	Perpetual

1. Wetland Restoration Incentives are eligible for restorations that results in type III, IV, or V wetlands.
2. The applicant is responsible for obtaining easements, right of ways, local, state and federal permits and other permission necessary to perform and maintain the practice. Expenses incurred due these items are not cost shared. Incentive payments will not be made until proof of necessary permits has been provided.
3. The restored area shall not be used for irrigation or livestock watering purposes, to produce agricultural commodities, or for grazing livestock.
4. Upland Treatment is required.
5. Wetlands restored as part of a required mitigation plan or for wetland banking are not eligible for funding under this section.
6. A 30 foot minimum native buffer is required. Upland buffer can be completed as a filter strip or native grass planting practice using respective cost and incentive rates.
7. An approved application through the Conservation Reserve Enhancement Program (CREP) or Reinvest In Minnesota (RIM) for the proposed perpetual restoration is required in order to be eligible for funding under this section.
8. Bids shall be submitted to the District office using a form provided by District, or local water management agency, if applicable.
9. The District shall, with concurrence of the local water management agency when applicable, set a time period during which bids must be submitted.
10. The approving authority reserves the right to refuse any and all bids.

#### **PRACTICE STANDARD – WHOLE FARM PLANNING**

	NRCS Code	Incentive Payment		Cost Sharing	Lifespan
		Type	Amount \$	Maximum Eligible Cost Share Rate	
Whole Farm Planning		One time	\$5/acre		10 years

1. Maximum incentive amount shall be \$1000
2. This incentive is intended specifically to promote participation in the MN Agricultural Water Quality Certification Program (MAWQCP). To be eligible, the applicant must submit a completed MAWQCP application and complete an assessment following MAWQCP protocol.

## APPENDIX A

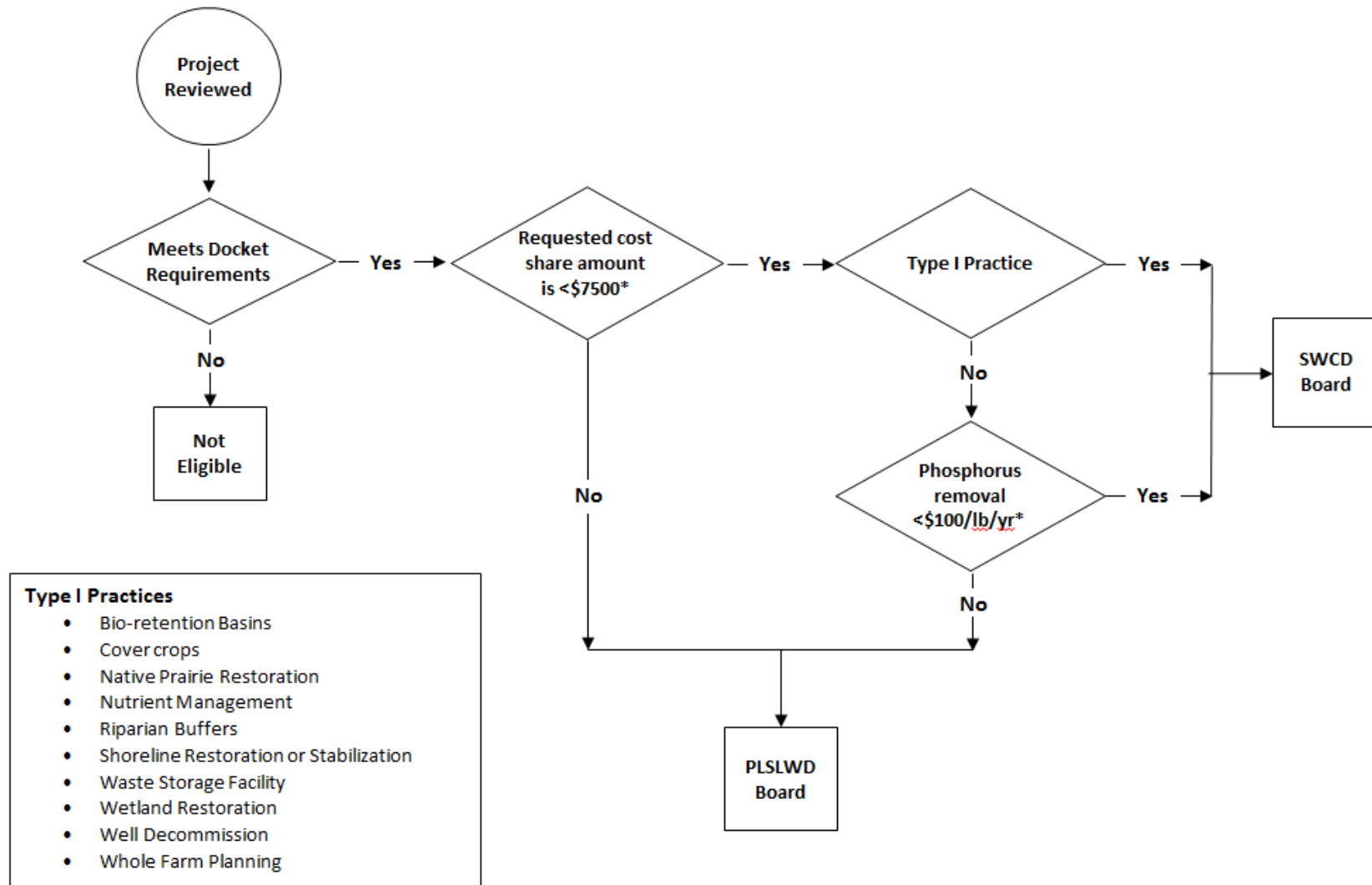
In addition to the projects discussed above, the Prior Lake-Spring Lake Watershed District has additional local residential best management practices (BMP) to be reimbursed as they meet the following criteria:

1. An application is completed.
2. An initial site visit has been made by a representative of the District
3. There is demonstrable water quality benefit.
4. The BMP is visible from a public access, such as a road, lake, or trail.
5. Explanatory signage is included.
6. The BMP is not required by existing ordinance or rule.
7. A close-out site visit has been conducted and the BMP has been approved by a District representative.
8. The Board of Managers will review and authorize the cost share payment.

The District provides \$50 for a rain barrel and up to \$150 for lake irrigation.

## APPENDIX A (cont.)

Figure 2 - PLSLWD Application Approval Decision Flow Chart



\*PLSLWD funds only

## EXHIBIT A

### 2018 SCOPE OF WORK AND BUDGET

The Scott Soil and Water Conservation District (SWCD) will provide the Prior Lake Spring Lake Watershed District (DISTRICT) with a variety of conservation services, in support of the goals and objectives in its Water Resources Management and Spring Lake-Upper Prior Lake TMDL Implementation Plans.

Services will be delivered on a time and materials basis. Individual line items may vary as the year progresses due to unpredicted needs and circumstances; however, this Scope is capped with an overall not-to-exceed amount of **\$124,000**. The SWCD may be requested to provide services outside of and in addition to this Scope. These services will be provided on an as-requested basis via separate work order or memoranda, the costs of which will not apply to the not-to-exceed amount.

#### Task I. Technical Assistance and Cost Share

##### Scope of Work

The SWCD will provide information, technical, and cost share assistance to landowners within the DISTRICT in support of implementation of conservation behaviors and best management practices that reduce soil erosion, decrease runoff volume, and improve water quality.

##### A. Conservation Marketing and Promotion

The SWCD will continue targeted marketing initiatives aimed at promoting adoption of priority conservation practices. The focus will be projects identified in 2014 Upper Watershed Assessment and practices identified in the SWCD's 2015 Clean Water Fund grant, including but not limited to native prairie restoration and lakeshore stabilization. Activities will include:

- Identifying targeted parcels and gathering contacts information
- Developing letters, mail lists, and informational materials
- Making personal calls and home visits
- Tracking progress

##### B. Livestock/Commodity Producer Assistance

The SWCD will provide technical support to livestock and commodity producers on conservation measures providing water quality benefits in the DISTRICT.

- Provide Equipment Rental Program services for cover crops and other conservation seedings
- Assist with animal waste management planning
- Assist with livestock facility and pasture management planning
- Provide information and assistance related to state feedlot regulations, including planning, permitting, inspections, complaint response and pollution discharge

##### C. Project Design, Construction and Cost Share Assistance

The SWCD will administer a cost share program in accordance with the DISTRICT's approved Docket. These services will be provided to landowners who a) respond with interest to marketing efforts under Task IA and b) call or walk-in with their own conservation issues or concerns. Services provided to producers participating in the FLC cost share program will also fall under this task.

- Follow up
  - Calls and/or visit with landowners
  - Conduct off-site or on-site research
  - Provide information about potential solutions and available assistance
  - Document landowner interest and project opportunities
- Project Scoping and Pre-Approval
  - Meet with landowners to clarify goals and interests
  - Conduct preliminary off- and/or on-site research
  - Determine project feasibility and eligibility
- Project Development
  - Complete technical assessment

- Collect and submit soil samples for nutrient analysis, when applicable
- Conduct topographic surveys if necessary
- Meet with landowner to finalize decisions and secure commitments
- Prepare technical and environmental assessments
- Prepare concept plans and cost estimates
- Administrative Activities
  - Prepare and process contract applications, fact sheets, and payment vouchers
  - Prepare and send letters of decision (approval or denial)
  - Prepare and issue cost share checks, upon certified completion
  - Track and report budget activity
  - Project/file close out
  - Develop and present proposed Docket revisions
  - Prepare annual report of accomplishments
- Design Activities
  - Conduct surveys
  - Prepare and review designs, specifications, and final cost estimates (or coordinate same if engineering services are outsourced)
  - Apply for/secure applicable permits
  - Prepare Operation and Maintenance agreements
  - If requested submit design packet to the DISTRICT for review prior to construction
- Construction Activities
  - Coordinate and lead pre-construction meetings
  - Stake projects
  - Inspect/supervise construction
  - Prepare as-built drawings
  - Provide construction certification

#### D. Conservation Planning

The SWCD will provide conservation planning services for cost share program participants, in accordance the Conservation Practice Financial Assistance Program Policy Manual

- Gather data (soils, topography, water resources, management practices, compliance status, etc.)
- Evaluate current resource conditions; identify needs and opportunities
- Prepare preliminary conservation plan; review with land user
- Prepare and deliver final Conservation Plan and Agreement; secure signatures

#### E. Status Reviews

Projects installed using DISTRICT funds will be inspected to ensure they are complying with their Operations and Maintenance (O&M) plans, in accordance with cost share contract requirements. Inspections are completed the 1<sup>st</sup>, 5<sup>th</sup>, and 9<sup>th</sup> year following certification.

- Conduct site visit and inspection of project site
- Prepare inspection report
- Conduct follow up inspection and landowner technical assistance, if necessary

#### Budget<sup>1</sup>

Staff services	\$30,000
Cost share (pass through):	\$28,000
	<u>\$58,000</u>

<sup>1</sup> Budget amounts in these categories may vary depending on number and types of projects, as well as the availability of other sources of funding for cost share and incentives. For example, additional funds may be dedicated for TA in order to leverage grant funds that can be used for project cost share and incentives.

## Task II. Farmer Led Council

### Scope of Work

The SWCD will provide technical support to the Farmer Led Council (FC), including but not limited to:

- Meeting with DISTRICT staff for program planning, coordination and reporting;
- Providing input and support on policy and program implementation;
- Participating in FLC meetings;
- Conduct follow up with current and prospective participants to promote FLC goals and opportunities;
- Assist cooperators with FLC program participation, including but not limited to: delivering and placing water quality inlets; coordinating and implementing the cover crop initiative; conducting lake-friendly farm certification assessments; preparing conservation plans; and
- Assist DISTRICT staff with certification recognition activities

### Budget

Staff services	\$20,000
Cost share (pass through)	<u>\$30,000</u>
Total	\$50,000

## Task III. Monitoring and Data Collection

### Scope of Work

The SWCD will assist the DISTRICT with planning and implementing its monitoring program, including but not limited to grab samples, flow measurements, deployments and related activities, as per approved monitoring plan or as otherwise directed by DISTRICT staff.

### Budget

Staff services	\$9,000
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## Task IV. Other Technical/Field Services

### Scope of Work

The SWCD will provide various technical and field services on an as-requested basis, including but not limited to:

- Surveying
- Mapping/GIS analysis
- Signage
- Resource concern investigations
- Erosion and sediment control inspections

### Budget

Staff services	\$2,000
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## Task V. EDUCATION PROGRAMMING

### Scope of Work

The SWCD will provide various educational programming services. Activities will include those identified in the 2018 Scott Clean Water Education Program (SCWEP) work plan, as well as other DISTRICT educational activities for which SWCD services may be requested.

As part of the 2018 SCWEP, the SWCD will plan, coordinate and host two (2) lakeshore workshops. Activities will include:

- Plan and prepare workshop details in coordination with the WMO and Cities of Prior Lake
- Develop promotional and informational materials and resources
- Plan and implement media marketing/promotion plan
- Coordinate and manage registrations and venue set-up and take-down
- Prepare and present information
- Post-workshop review and follow up with landowners

#### Budget

Services: \$5,000  
Supplies: Per request

#### TASK & BUDGET SUMMARY

Task	Description	Amount
I	TACS services	\$30,000
	TACS cost share (pass-through)	\$28,000
II	FLC services	\$20,000
	FLC cost share (pass-through)	\$30,000
III	Monitoring services	\$9,000
IV	Misc. tech/eng services	\$2,000
V	Education services	\$5,000
	Education supplies*	N/A
<b>Total</b>		<b>\$124,000</b>

\*On per-request basis

#### BILLING RATES

All services will be billed on a time and materials basis, according to the following hourly rates.

Position Title	Hourly Rate*
Education Coordinator	\$57
Program Assistant	\$57
Resource Conservation Technician	\$62
Ecological Specialist	\$62
Resource Conservationist I	\$67
Finance and Accounting Specialist	\$67
Engineering Technician	\$67
Resource Conservationist II	\$72
District Director	\$80



**AGREEMENT BETWEEN THE PRIOR LAKE-SPRING LAKE WATERSHED DISTRICT  
AND THE SCOTT SOIL AND WATER CONSERVATION DISTRICT FOR THE  
PROVISION OF PROFESSIONAL CONSERVATION SERVICES**

This Agreement is made this \_\_\_\_ day of \_\_\_\_\_, 2018, by the **PRIOR LAKE-SPRING LAKE WATERSHED DISTRICT**, a governmental subdivision of the State of Minnesota (the "DISTRICT") and the **SCOTT SOIL AND WATER CONSERVATION DISTRICT**, governmental subdivision of the State of Minnesota (the SWCD) for the period January 1, 2018 through December 31, 2018.

**1. SCOPE OF SERVICE AND AUTHORIZATION.** The DISTRICT retains the SWCD to provide services related to conservation promotion, landowner technical assistance, monitoring, education, and other miscellaneous technical and field services (Services), as set forth in the Scope of Work and Budget, attached hereto as Exhibit A.

**2. FEES AND PAYMENT.** The SWCD will invoice the DISTRICT on a quarterly basis for time and materials associated with delivery of Services set forth in Exhibit A, unless otherwise specified. Hourly fees for the Services are included in Exhibit A. Materials expenses shall be pre-approved or requested in advance by the DISTRICT Administrator or designee before they are incurred. The SWCD will not invoice for mileage reimbursement.

Payment shall be due within 30 days following receipt of an itemized invoice from the SWCD, using a format approved by the DISTRICT. The DISTRICT may withhold payment for any services not covered in Exhibit A or otherwise authorized in advance by the Administrator or designee.

**3. PROFESSIONAL RESPONSIBILITY.** The SWCD shall perform the Services consistent with that level of care and skill ordinarily exercised by members of its profession practicing under similar conditions at the time the Services are performed.

**4. DISTRICT'S RESPONSIBILITY.** At the SWCD's reasonable request, the DISTRICT shall provide to the SWCD all reports, data, studies, plans, specifications, documents, and other information in its possession that are relevant to the Services. The SWCD shall be responsible only for the accuracy of the data, interpretations, and recommendations it generates or makes. The SWCD will not be responsible for any interpretations or recommendations generated or made by others, which are based, in whole or in part, on the SWCD's data, interpretations or recommendations.

**5. INDEMNIFICATION.**

(a) The SWCD shall indemnify and hold harmless the DISTRICT and its managers, officers, employees, agents, and successors from and against any and all losses, damages, claims, liabilities, costs, and expenses, including legal fees and costs of investigation, resulting from or arising out of (i) a material breach by the SWCD of any term or provision of this Agreement, or (ii) any negligent act or omission or intentional misconduct of the SWCD in the performance of this Agreement or the Services.

(b) The DISTRICT agrees to indemnify and hold harmless the SWCD and its officers, employees, agents, and successors, from and against any and all losses, damages, claims, liabilities, costs, and expenses, including legal fees and costs of investigation, resulting from or arising out of any negligent or wrongful act or omission of the DISTRICT, its officers, directors, or employees.

**6. INSURANCE.**

At all times during the term of this agreement, the SWCD will have and keep in force the following insurance coverages:

(a) General and professional liability: \$1.5 million each occurrence and aggregate, covering completed operations and contractual liability.

(b) Automobile liability: combined single limit each occurrence coverage for bodily injury and property damage covering all vehicles, \$1.5 million.

(c) Workers' compensation: in accordance with legal requirements applicable to the SWCD.

The DISTRICT will be named as an additional insured with primary coverage under the general liability policy. The SWCD will provide certificates of insurance and other insurance documentation on reasonable request. The certificate will name the DISTRICT as a holder and will state that the DISTRICT will receive written notice before cancellation, nonrenewal or a material change in any described policy under the same terms as the SWCD.

#### **7. OWNERSHIP AND MAINTENANCE OF DOCUMENTS.**

All materials obtained or generated by the SWCD in performing the Services, including documents in hard and electronic copy, software, and all other forms in which the materials are contained, documented or memorialized, are the DISTRICT's property. As to those materials, the SWCD hereby assigns and transfers to the PLSLWD all right, title and interest in: (a) its copyright, if any, in the materials; any registrations and copyright applications relating to the materials; and any copyright renewals and extensions; (b) all works based on, derived from or incorporating the materials; and (c) all income, royalties, damages, claims and payments now or hereafter due or payable with respect thereto, and all causes of action in law or equity for past, present or future infringement based on the copyrights. The SWCD will execute all papers and perform such other proper acts as the DISTRICT may deem necessary to secure for the DISTRICT or its assignee the rights herein assigned.

The DISTRICT may immediately inspect, copy or take possession of any materials on written request to the SWCD. The SWCD may maintain a copy of any materials except for those designated by the DISTRICT as confidential or non-public under applicable law, a copy of which may be maintained by the SWCD only pursuant to written agreement with the DISTRICT specifying terms.

If the SWCD receives a request under the Data Practices Act, Minnesota Statutes chapter 13 (DPA), that may encompass data (as that term is defined in the DPA) the SWCD possesses or has created as a result of this agreement, it will inform the DISTRICT immediately and transmit a copy of the request. If the request is addressed to the DISTRICT, the SWCD will not provide any information or documents, but will direct the inquiry to the DISTRICT. If the request is addressed to the SWCD, the SWCD will be responsible to determine and meet its legal obligations, but will notify and consult with the DISTRICT before replying. Nothing in the preceding sentence supersedes the SWCD's obligations under this Agreement with respect to protection of DISTRICT data, property rights in data or confidentiality.

**8. RELATIONSHIP OF PARTIES.** The SWCD shall be an independent contractor in performing the Services and shall not act as an agent or an employee of the DISTRICT. The SWCD shall be solely responsible for its employees, subcontractors, and agents and for their compensation, benefits, contributions, insurance and taxes, if any. The SWCD shall not have any right or authority to make any representation or to assume or create any obligation, expressed or implied, on behalf of the DISTRICT.

The SWCD will comply with the laws and requirements of all federal, state, local and other governmental units in connection with performing the Services and will procure all licenses, permits and other rights necessary to perform the Services. In performing the Services, the SWCD will ensure that no person is

excluded from full employment rights or participation in or the benefits of any program, service or activity on the ground of race, color, creed, religion, age, sex, disability, marital status, sexual orientation, public assistance status or national origin; and no person who is protected by applicable federal or state laws, rules or regulations against discrimination otherwise will be subjected to discrimination.

**9. ASSIGNMENT.** Neither party shall assign, or otherwise transfer, its rights or obligations hereunder without the written consent of the other party.

**10. AUDIT.** All documents and records relating to this Agreement shall be available for inspection by the DISTRICT and the state auditor for six years. The DISTRICT may audit all records of the SWCD relating to the costs, expenses and Services performed. If the audit shows that the payment by the DISTRICT to the SWCD exceeds the amount due the SWCD, the excess amount shall be returned to the DISTRICT and the SWCD shall bear the expense of the audit.

**11. DISPUTES.** All disputes between the SWCD and the DISTRICT shall be subject to non-binding mediation before either party may commence suit. Either party may demand mediation by serving a written notice stating the essential nature of the dispute, the amount of time or money claimed, and requiring that the matter be mediated within 60 days of service of notice. The parties shall agree on a mediator.

**12. TERMINATION.** This Agreement shall be terminable at will by either party effective immediately upon written notice to the other party via certified mail. Termination of this Agreement does not relieve either party of its obligations with regard to services provided prior to the time of termination. Insurance obligations; warranties; obligations to indemnify and hold harmless; and document-retention requirements will survive the completion of the Services and the term of this agreement.

**13. GOVERNING LAW.** This Agreement is governed by and shall be construed according to the laws of Minnesota.

**14. NOTICES.** All notices and communications to the SWCD under this Agreement shall be to 7151 W. 190<sup>th</sup> Street, Suite 125, Jordan, MN, 55352. All notices and communications to the DISTRICT under this Agreement shall be to 4646 Dakota Street SE, Prior Lake, MN 55372.

**15. ENTIRE AGREEMENT.** This Agreement including any attachments incorporated constitutes the entire understanding between the DISTRICT and the SWCD. Any modifications to this Agreement shall be in writing and signed by authorized representatives of the parties.

**For the PRIOR LAKE-SPRING LAKE WATERSHED DISTRICT**

Signed: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_

**For the SCOTT SOIL and WATER CONSERVATION DISTRICT**

Signed: \_\_\_\_\_  
Title: Robert Casey, Chair  
Date: \_\_\_\_\_

# **2017 ACCOMPLISHMENT REPORT**

## **Scott Soil and Water Conservation District**

### **Introduction**

The Scott Soil and Water Conservation District (SWCD) provides the District with a variety of conservation services to support implementation of its Water Resources Management Plan. Services include conservation technical and cost share assistance, monitoring and data collection, farmer led council support, and education programming.

These services are delivered on a time and materials basis in accordance with an annual services agreement that includes a detailed work plan and budget. Individual line item costs may vary as the year progresses due to unpredicted needs and circumstances; however, the Scope is capped with an overall not-to-exceed (NTE) amount. For 2017 the NTE was \$128,800, including \$93,800 for services. The remaining \$35,000 is passed through to cooperators as financial assistance for conservation practice.

The SWCD is occasionally asked to provide technical services outside of the approved Scope. These miscellaneous services are provided on an as-requested basis. Costs for additional technical services do not apply to the NTE amount.

### **TASK I. Technical Assistance and Cost Share (TACS)**

The purpose of the TACS program is to increase adoption of conservation practices by landowners in the District. This includes farmers, shoreline property owners, and other urban and rural residents. The TACS program achieves this specifically by removing barriers related to implementation, including lack of awareness (i.e. "what changes can or should I make?") or lack of ability ("how do I make and/or afford changes?").

Whenever possible, SWCD field staff target time and resources towards projects that have high water quality, runoff reduction, and water storage benefits. As a service agency, however, they cannot deny assistance to landowners who come to the SWCD seeking help with resource issues that most concern them. Often, individual resource concerns do not align perfectly with District or SWCD priorities. A balance of both approaches is required to ensure the District and SWCD are building positive, long term relationships and trust within the watershed community. Water quality cannot improve unless the majority of private landowners in the watershed change day-to-day practices. Without good relationships or trust, our water quality message is less likely to be accepted, and landowners will be more hesitant to invest time or capital into changing their attitudes and behaviors.

#### **A. Conservation Marketing and Outreach**

The SWCD continued two targeted conservation marketing and outreach campaigns in the District. One targeted lands where priority potential projects were identified in the 2014 West Upper Watershed Assessment. The other targeted potential lands for native prairie restoration. Both campaigns were focused on water quality improvement and runoff reduction in the Spring Lake watershed. Comprehensive marketing and outreach campaigns generally include:

- Identifying targeted parcels and gathering landowner and renter contact information
- Preparing mail lists, personalized letters and informational materials
- Sending letters and following up with phone calls and door-to-door visits
- Providing information about issues, solutions and available assistance
- Tracking progress

### **Results**

West Upper Watershed - Spring Lake Subwatershed Analysis

- 24 priority sites were identified in the SWA (55 potential practices) on land controlled by 17 landowners
- Of the 55 practices that were Identified 9 have been installed.
- Continued phone calls and door-to-door visits until all the landowners have been reached.
- All of the landowners have been contacted either by a phone call or in person. There is interest from a landowner that has 3 practices identified; a site visit will be completed in the Spring of 2018.
- Some identified sites may no longer be a concern or were the result of a single large storm event
- There were 5 additional practices that were not identified in the report, including one water and sediment control basin, one grassed waterway and 3 filter strips. The 3 filter strips were installed.
- Note regarding buffers: Of the 8 filter strips identified in the report, 6 are required to have a 16.5' buffer under the MN DNR Buffer Law. These buffers are required to be installed (or alternative practices) by November 1st 2018. The other 2 filters are installed, one landowner chose to receive funding and the other chose not to receive funding.

#### Native Prairie Restoration

- Held workshop on March 2 at the Prior Lake City Hall
  - Advertising included a press release in the Scott County Scene and direct mailing over 175 landowners;
  - Received funding and support from 7 sponsors
  - Had 26 attendees
- Over 50 landowners were called or had door-to-door visits
- Several landowners are interested in pursuing a project, with 1 landowner planting 10 acres fall 2018

#### **B. Landowner Follow-up**

The SWCD assisted landowners who requested help with resource interests or concerns ranging from cropland erosion and water quality to shoreline and habitat improvement. Landowners included individuals who responded to targeted outreach efforts as well as individuals that called or visited our office on their own. Follow up may include any one or all of these activities:

- Visit with landowner by phone and/or on-site visit
- Conduct preliminary off-site and/or on-site research
- Discuss potential issues, solutions and costs
- Provide information about available technical and/or financial assistance

Not all follow-up contacts result in a project or other quantifiable improvement to water quality. On average, 30 to 40% of landowners we follow up with result in an actual project. In the other 60 to 70% of cases, service concludes with providing information with recommendations.

#### **Results**

The SWCD received and provided follow-up assistance to 49 new requests for conservation assistance, as summarized below. This was up from 34 in 2016.

<u>Interest/Concern</u>	<u># of Requests</u>	<u>Completed Project</u>	<u>Planned Project</u>	<u>TA Provided/ No Project</u>	<u>TA Ongoing/ TBD</u>
Cover Crops/Soil Health	3	2			1
Cropland erosion	2		1	1	
Feedlot/Pasture Mgmt	1	1			
Filters/Riparian Buffers	7	2		1	4

Flooding/Drainage	3			2	1
Flood Damage 2014 Disaster	2		1	1	
Lakeshore Erosion/Restoration	7			7	
Invasive species	1			1	
Native Prairie Restoration	8	1	1	4	2
Non-cropland Erosion	2			2	
Nutrient Management	1				1
Planning/Certification	0				
Raingarden	4		2	2	
Streambank Erosion	1			1	
Trees/Forestry	1			1	
Well Abandonment	5	3			2
Wetland Restoration	1				1
<b>Total</b>	<b>49</b>	<b>9</b>	<b>5</b>	<b>23</b>	<b>12</b>

#### C. Livestock/Commodity Producer Assistance

The SWCD provides technical support to livestock and commodity producers on conservation measures providing water quality benefits. This includes facility planning, nutrient management planning, manure and other soil amendment utilization and permitting advice.

##### Results

The SWCD assisted 6 producers, as listed below.

<u>Type of assistance</u>	<u>Producers assisted</u>
Equipment rental services	5 (322 acres)
Animal waste management planning	2
Livestock facility/farmstead planning	2
Regulatory Investigations/Support	3

#### D. Project Design, Construction and Cost Share assistance

The SWCD administers a cost share program that follows cost share policies adopted by the District. Services are initiated when follow-up activities under B. above result in the landowner moving forward with a project. Activities generally include the following, but can vary significantly from project to project:

- Project scoping and feasibility (site investigation, survey, preliminary design, cost estimate, etc.)
- Prepare and process cost share applications and payments
- Complete project design and construction documents
- Construction oversight and certification

##### Results

Worked on 25 projects in 2017, of which 17 were approved for funding in 2017. See Exhibit A.

#### E. Status Reviews

Many projects installed with local, state or federal cost share funds are inspected to ensure the cooperator is complying with their Operations and Maintenance (O&M) requirements. Inspections are completed the 1st, 5th, and 9th year following certification.

##### Result

The SWCD completed 4 status reviews in the District, as listed below.

<u>Cooperator</u>	<u>Practice</u>	<u>Date Installed</u>
Fahrenkamp, Hazel	Filter Strip	2016
Fahrenkamp, Hazel	Filter Strip	2016
Lydia Zion United Methodist Church	Conservation Cover/Native Prairie	2016
Larson, Debra	Grassed Waterway	2016

#### **TASK II. Farmer-Led Council**

The SWCD provided ongoing coordination assistance and technical support to the Farmer Led Council (FLC)

##### **Results**

- Helped prepare agenda for and participated in 2 FLC meetings
- Provided input and guidance on program goals, policies and implementation
  - Began test piloting “Lake Friendly Farm” certification program on two farms. This program will serve as means for assessing, documenting and measuring progress towards goals of the FLC and District
  - Helped plan and implement “reverse auction” approach for cover crop incentives. Received 2 bids cover almost 120 acres. Concluded this approach was not very effective but led to ideas for a new approach the FLC feels will be more successful.
- Assisted producers participating in cost share program, including approval of 2 applications for cost share (see Exhibit A) and distribution of 11 water quality inlets to 4 producers.

#### **TASK III. Monitoring and Data Collection**

The SWCD assisted the District with implementing its 2017 stream flow and water quality monitoring program.

##### **Results**

- 190+ water quality grab samples
- 34 flow measurements
- 1 multi-site sonde deployment
- Removed level loggers at stream stations at the end of the season and downloaded data
- Assisted with compensating stream data and with year-end data entry

See Exhibit A for a more detailed report of monitoring assistance.

#### **TASK IV. Other Technical/Field Services**

The SWCD provides various technical services on an as-requested basis, including but not limited to:

- Surveying
- Mapping/GIS analysis
- Signage
- Resource concern investigations
- Erosion and sediment control inspections

##### **Results**

Conducted several conservation easement boundary surveys.

## **TASK V. EDUCATION PROGRAMMING**

### **Scope of Work**

The SWCD provides various educational programming services. Activities include those identified in the annual Scott Clean Water Education Program (SCWEP) work plan, as well as special, local educational activities identified and requested by the District. The District is a SCWEP partner.

### **Results**

- Planned and hosted five workshops:
  - Planting Native Prairie Workshop (3/2/17)
    - Spring Lake Town Hall, 27 attendees, 8 from PLSLWD
  - Cover Crop Workshop (3/30/17)
    - New Prague Knights of Columbus , 78 attendees, 4 from PLSLWD
  - Raingarden design and construction (4/4/17)
    - McColl Environmental Learning Center, 13 total attendees, 1 from PLSLWD
  - Restore Your Shoreline (4/18/17)
    - Prior Lake City Hall, 24 total attendees, 14 from PLSLWD
  - Maintaining Your Prairie (5/6/17)
    - Jordan Fairgrounds, 14 total attendees, 2 from PLSLWD
  - Stabilize Your Shoreline (10/24/17)
    - Prior Lake City Hall, 14 total attendees, 8 from PLSLWD
- Other, countywide SCWEP activities
  - Outdoor Education Day – 9/18/17 to 9/22/17
    - Cedar Lake Farm Region Park; 1500 5th-grade students
  - Rotating Library Displays
    - Six libraries throughout Scott County; seasonal messaging
  - Event participation
    - Celebrate Jordan: Expo – 4/2/17
    - U of M Extension’s Garden Fever – 4/1/17
    - Scott County Fair – 7/26/17 to 7/30/17
    - Prior Lake Fall Community Fest – 9/18/17
  - Coordinated media plan, leading publication of over thirty (30) conservation-related articles. Examples with direct local impact include
    - Workshop and community event advertising and promotion
    - Environmentally-friendly lawn care and snow and ice removal
    - Local conservation success stories and awards
    - Planting and maintaining native grasses
    - Water quality awareness
    - Cover crops



## TASK & BUDGET SUMMARY

### Approved

Task	Description	Budget	Invoiced
I	Technical Assistance and Cost Share	\$40,000	\$50,993
	General Cost Share	\$15,000	\$14,707
II	Farmer-Led Council Support	\$10,000	\$5,522
	Farmer-Led Council Cost Share	\$20,000	\$9,965
III	Monitoring and Data Collection	\$38,800	\$23,287
IV	Other Technical/Field Services	N/A	\$1,653
V	Education Programming	\$5,000	\$5,683
<b>Total</b>		<b>\$128,800</b>	<b>\$111,810</b>

**Exhibit A**  
**Summary of Cost Share and Incentive Project Activity in 2017**

Landowner	Practice	Qty	Units	P**	Source	Amount	Activity Status
Approved in 2017							
Ames, Raymond	Filter Strips	4.1	Acres	141	Landowner (100%)	-	Seeded on own/no CS
Anderson, Larry*	Well Decommission	1	Each	-	PLSL General CS SWCD State CS Landowner	\$500 \$500 \$565	Application approved Sealing planned for '18
Butani, Amy*	Conservation Cover/Native Prairie	1.2	Acres	-	PLSL General CS Landowner	\$595 \$1310	Application approved Seeding planned for '18
Casey Farms*	Cover Crops	59.5	Acres		Farmer-Led Council CS	\$4,165	Application approved Seeding completed Processing payment
Eldeen, Dallas*	Well Decommission	1	Each	-	PLSL General CS Landowner	\$1000 \$808	Application approved Sealing complete Issued final payment
Haut, Erin*	Shoreline Protection	100	Lin Ft	9.8	SWCD CWF Grant Landowner	\$5,400 \$1,800	Application approved Construction planned for '18
Hentges, Joe*	Cover Crop	58	Acres	-	Farmer-Led Council CS	\$5,800	Application approved Processing payment
Hentges, Steve*	Filter Strips	2.1	Acres	42.3	PLSL General CS SWCD CWF Grant	\$3,090 \$3,090	Application approved Issued 1 <sup>st</sup> half payment
Jensen, Kathryn*	Critical Area Planting	1.1	Acres	14.3	PLSL General CS SWCD CWF Grant Landowner	\$7,400 \$4,457 \$4,573	Application approved Construction completed Issued final payment
Kochlin, Connie*	Conservation Cover/Native Prairie	4.5	Acres	36.7	SWCD CWF Grant Landowner	\$13,695 \$1,595	Application approved Seeding planned for '18
Kochlin, Connie*	Conservation planning (MAWQCP)	94.4	Acres	75.6	PLSL General CS	\$472	Application approved Certification in '18
Lindstrom, Misty*	Well Decommission	1	Each	-	PLSL General CS SWCD State CS Landowner	\$500 \$500 \$784.50	Application approved Construction completed Issued final payment
Mealman, Susan	Lakeshore Restoration	.05	Acres		SWCD CWF Grant Landowner	\$670 \$670	Application approved Construction planned for '18
Moen, Ernie & Denise*	Conservation Cover/Native Prairie	1.3	Acres	1.2	PLSL General CS Landowner	\$650 \$533	Application approved Seeding completed Issued final payment
Robling, Tony & Claire*	Conservation Cover/Native Prairie	10	Acres	9.5	SWCD CWF Grant Landowner	\$21,995 \$1,995	Application approved Seeding planned for '18

Short, Chris*	Lakeshore Restoration	120	Lin Ft	-	SWCD CWF Grant Landowner	\$9,405 \$3,135	Application approved Construction completed Issued final payment
Wenner, Eugene*	Well Decommission	1	Each	-	PLSL General CS SWCD State CS Landowner	\$421.87 \$421.88 \$346.25	Application approved Sealing completed Issued final payment

**Approved prior to 2017**

Fahrenkamp, Hazel*	Filter Strip	0.6	Acres	2.7	SWCD CWF Grant	\$1,800	Issued final payment
Fahrenkamp, Hazel*	Filter Strip	2	Acres	26.3	SWCD CWF Grant	\$6,000	Issued final payment
Hentges, Joe*	Cover Crop	42.0	Acres	-	PLSL General CS	\$1,260	Issued partial payment
Klingberg, Jim*	Nutrient Management	26.7	Acres	-	Farmer-Led Council CS	\$267	Issued final payment
Kochlin, Connie*	Grassed Waterways w/diversion	1300	Lin Ft	75.6	NRCS EQIP SWCD CWF Grant Landowner	\$12,554 \$27,288 \$4,548	Construction completed Issued final payment
Lydia Zion Church*	Conservation Cover/Native Prairie	2.6	Acres	2.1	PLSL General CS SWCD CWF Grant Landowner	\$1,451 \$4,353 \$605	Issued final payment
O'Loughlin, Tim*	Variable Rate Application	280	Acres	-	Farmer-Led Council CS	\$2,800	Processing payment
Sweet, Karen*	Lakeshore Restoration	120	Lin Ft	-	SWCD CWF Grant Landowner	\$615 \$618	Construction completed Issued final payment

**TOTAL**

				<b>437.1</b>		<b>\$169,266</b>	
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\* Project Fact Sheet attached

\*\* Phosphorus loading reduction in total pounds per year, measured at point of discharge to nearest water resource.

**2017 Funding Summary** (includes projects approved in 2017 only)

Source	Amount	%
SWCD CWF Grant	\$60,134	58
Landowner	\$18,115	18
PLSL General CS	\$14,629	14
Farmer Led Council	\$9,965	10
NRCS EQIP	\$0	0
<b>Total</b>	<b>\$102,843</b>	

**Exhibit B**  
**Summary Report of Monitoring Activities performed for PLSLWD in 2017\***

**Water Quality sampling/measuring**

Remote Deployments – We deployed a set of three remote sondes once in 2017. The deployments occurred at FC\_CD1, FC\_CD2, and FC\_CD3 on 8/8/17. Rain event forecasting determined the exact date of deployment with the intention of capturing at least one runoff event during the deployment. Twice per week during deployment, sondes were scrubbed clear of debris and a comparison sonde reading was taken. The deployment captured about two weeks of data. The sonde deployed at FC\_CD3 failed to launch, so it did not capture data during the deployment.

**Sampling**

- Bi-weekly grab sampling April through October at
  - ST\_14
  - ST\_19
  - ST\_24
  - ST\_26A
  - ST\_40
  - B3
  - T3
  - FC\_CD1
- Weekly grab sampling at FC\_CD2 and FC\_CD3 March through November

**Flow measurements**

Flow measurements in 2017 totaled 34

- 1 flow taken at Prior Lake Outlet Structure
- 1 flow taken at ST\_08
- 5 flows taken at ST\_19
- 4 flows taken at ST\_S3P
- 2 flows taken at B3
- 5 flows taken at ST\_24
- 6 flows taken at ST\_26A
- 4 flows taken at ST\_21
- 3 flows taken at FC\_CD1
- 1 flow taken at FC\_CD2
- 1 flow taken at FC\_CD3
- 1 flow taken at USFWS

**Other work**

- Removed level loggers at stream stations at the end of the sampling season and downloaded the data.
- Assisted with compensating stream data and with year-end data entry

\*There may be additional monitoring services not reported due to staff turnover

## Larry Anderson Well Decommissioning

### Cooperator & Location

Applicant(s): Larry Anderson  
 Address: 16575 Dutch Ave SE, Prior Lake  
 Location: Township: 114N Range: 22W Sect: 2  
 City/Town: City of Prior Lake  
 Watershed: 33122 Project ID: CP-17-217

### Project Details

#### Practice

#### Well Decommissioning

Quantity/Units: 1.0Each

Projected Installation: Winter, 2017

#### 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

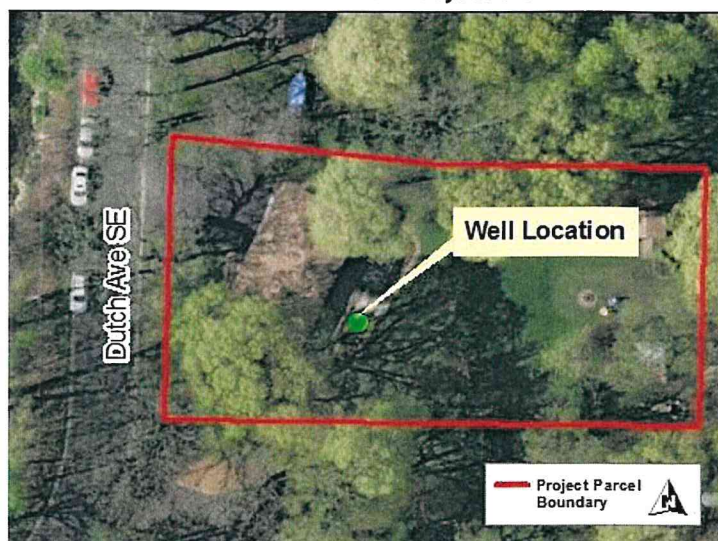


Photo of Current Project Site



### Cost Analysis

Project Costs		Funding by Source		Grant Source	
Installation:	\$1,565.00	Federal	\$0.00	EPA-319	<input type="checkbox"/>
Incentives:	\$0.00	State	\$500.00	CWF	<input type="checkbox"/>
<b>Total:</b>	<b>\$1,565.00</b>	SWCD	\$0.00	DRAP	<input type="checkbox"/>
Targeted Project		PLSLWD	\$500.00	Approval Date	
<input type="checkbox"/>		Cooperator	\$565.00	11/21/2017	



## Amy Butani Conservation Cover

### Cooperator & Location

Applicant(s): Amy Butani  
 Address: 337 203rd Ct East, Prior Lake  
 Location: Township: 114N Range: 22W Sect: 27  
 City/Town: Spring Lake Twp  
 Watershed: 33129 Project ID: CP-17-032

### Project Details

#### Practice

#### Conservation Cover

Quantity/Units: 1.2Acres

Projected Installation: Fall 2017

#### Resource Protected

#### Fish Lake

#### Project Description

Amy wants to improve pollinator habitat by converting the majority of her lawn to native grasses and flowers. She also wants to cut back on mowing and improve water quality in Fish Lake. 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)			0.0
Sediment Load (tons/yr)			0.0
Phosphorus Load (lbs/yr)			0.0
Runoff Reduction (acre ft)	0.5	0.4	0.1

Aerial View of Project Site



Photo of Current Project Site



### Cost Analysis

Project Costs		Funding by Source		Grant Source		Unit Costs*			
Installation:	\$1,310.00	Federal	\$0.00	EPA-319	<input type="checkbox"/>		Sediment (\$/Ton)	Phos (\$/Pound)	Runoff (\$/Ac Ft)
Incentives:	\$595.00	State		CWF	<input type="checkbox"/>				
<b>Total:</b>	<b>\$1,905.00</b>	SWCD	\$0.00	DRAP	<input type="checkbox"/>	SWCD			n/a
<b>Targeted Project</b>	<input type="checkbox"/>	PLSLWD	\$595.00	<b>Approval Date</b>		PLSLWD			\$595
		Cooperator	\$1,310.00	9/12/2017		Overall			\$1,905

\*Over term of cost share contract



## Robert Casey Cover Crop

### Cooperator & Location

Applicant(s): Robert Casey  
 Address: 17826 Murphy Lake Blvd, Prior Lake  
 Location: Township: 114N Range: 22W Sect:  
 City/Town: Spring Lake Twp  
 Watershed: 33129  
 Project ID: CP-17-240 Approved: 2/20/2018

### Project Details

#### Practice

#### **Cover Crop**

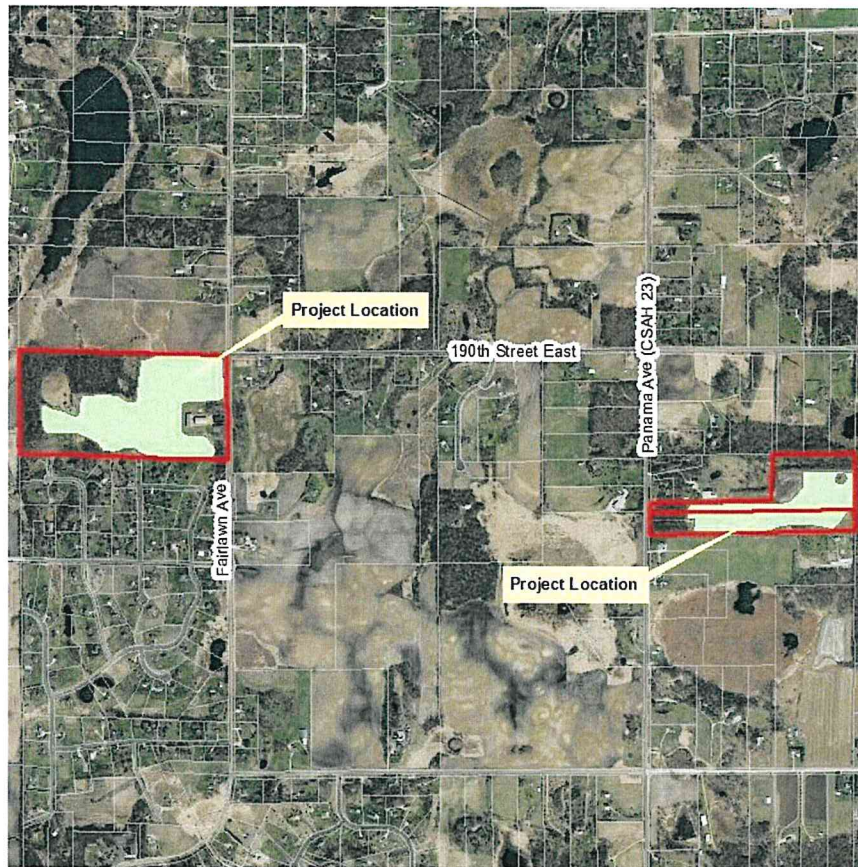
Quantity: 59.5 Acres

Certified Complete: 3/1/2018

#### Resource Protected

#### **Buck Lake**

### Project Location



### Description and Funding

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.

#### Project Costs

Installation:	\$0.00
Incentives:	\$4,165.00
<b>Total:</b>	<b>\$4,165.00</b>
Owner Share:	

#### Funding by Source

Federal	\$0.00
State	
SWCD	\$0.00
PLSLWD	\$4,165.00

#### Program

EPA-319	<input type="checkbox"/>
CWF	<input type="checkbox"/>
DRAP	<input type="checkbox"/>
FLC	<input checked="" type="checkbox"/>



## Dallas Eldeen Well Decommissioning

### Cooperator & Location

Applicant(s): Dallas Eldeen  
 Address: 17373 Idlewood Way, Lakeville  
 Location: Township: 114N Range: 22W Sect: 3  
 City/Town: City of Prior Lake  
 Watershed: 33122 Project ID: CP-17-085

### Project Details

#### Practice

#### **Well Decommissioning**

Quantity: 1.0 Each

Certified Complete:

#### 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.

Before Photo



After Photo



### Cost Analysis

Project Costs		Funding by Source		Grant Source	
Installation:	\$1,808.50	Federal	\$0.00	EPA-319	<input type="checkbox"/>
Incentives:	\$0.00	State	\$0.00	CWF	<input type="checkbox"/>
<b>Total:</b>	<b>\$1,808.50</b>	SWCD	\$0.00	DRAP	<input type="checkbox"/>
Targeted Project		PLSLWD	\$1,000.00	Approval Date	
<input type="checkbox"/>		Cooperator	\$808.50	6/20/2017	



## Hazel Fahrenkamp Filter Strip

### Cooperator & Location

Applicant(s): Hazel Fahrenkamp  
 Address: 17991 Langford Blvd, Jordan  
 Location: Township: 114N Range: 22W Sect: 17  
 City/Town: Spring Lake Twp  
 Watershed: 33129 Project ID: CP-16-085

### Project Details

#### Practice

#### Filter Strip

Quantity: **2.0 Acres**

Certified Complete: 10/3/2016

#### Resource Protected

#### Un-named ditch that flows into Spring Lake

#### Project Description

This practice involves establishing and maintaining permanent vegetation along a stream, wetland or other environmentally sensitive area. Typically long and narrow features, filter strips are specifically designed to slow runoff and suspend contaminants that would otherwise discharge into the protected resource, including but not limited to sediment, organic matter, nutrients, and pathogens.

#### Environmental Benefits

Parameter	Before	After	Saved
Soil Erosion (tons/yr)	1.1	0.0	<b>1.1</b>
Sediment Load (tons/yr)	25.0	8.5	<b>16.5</b>
Phosphorus Load (lbs/yr)	45.3	19.0	<b>26.3</b>
Runoff Reduction (acre ft)	0.0	0.0	<b>0.0</b>

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:	\$6,000.00	State	\$0.00	CWF	<input checked="" type="checkbox"/>		SWCD	\$36	\$23
Total:	\$6,000.00	SWCD	\$6,000.00	DRAP	<input type="checkbox"/>		PLSLWD	\$0	\$0
Targeted Project		PLSLWD	\$0.00	Approval Date			Overall	\$36	\$23
<input type="checkbox"/>		Cooperator	\$0.00	7/19/2016					

\*Over term of cost share contract



## Hazel Fahrenkamp Filter Strip

### Cooperator & Location

Applicant(s): Hazel Fahrenkamp  
 Address: 17991 Langford Blvd, Jordan  
 Location: Township: 114N Range: 22W Sect: 8  
 City/Town: Spring Lake Twp  
 Watershed: 33130 Project ID: CP-15-021

### Project Details

#### Practice

#### Filter Strip

Quantity: 0.6 Acres

Certified Complete: 6/24/2016

#### Resource Protected

#### Unnamed tributary flowing into Spring Lake

#### Project Description

This practice involves establishing and maintaining permanent vegetation along a stream, wetland or other environmentally sensitive area. Typically long and narrow features, filter strips are specifically designed to slow runoff and suspend contaminants that would otherwise discharge into the protected resource, including but not limited to sediment, organic matter, nutrients, and pathogens. The landowner and the renter want to reduce the amount of sediment that enters the ditch that flows into Spring Lake.

#### Environmental Benefits

Parameter	Before	After	Saved
Soil Erosion (tons/yr)	0.3	0.0	0.3
Sediment Load (tons/yr)	2.5	0.8	1.7
Phosphorus Load (lbs/yr)	4.6	1.9	2.7
Runoff Reduction (acre ft)	0.0	0.0	0.0

Before Photo



After Photo



### Cost Analysis

Project Costs		Funding by Source		Approval & Type		Unit Costs*		
Construction/Seeding:	\$0.00	Federal	\$0.00	Approved Date	2/16/2016		Sediment (\$/Ton)	Phos (\$/Pound)
Incentives:	\$1,800.00	State	\$0.00	Target Project	<input type="checkbox"/>	SWCD	\$106	\$67
<b>Total:</b>	<b>\$1,800.00</b>	SWCD	\$1,800.00	EPA-319 Funds	<input type="checkbox"/>	PLSLWD	\$0	\$0
		PLSLWD	\$0.00	Credit River Grant	<input type="checkbox"/>	All Sources	\$106	\$67
		Cooperator	\$0.00	Clean Water Fund	<input checked="" type="checkbox"/>	*Over term of cost share contract		



## Erin Haust Shoreline Protection

### Cooperator & Location

Applicant(s): Erin Haust

Address: 16383 Northwood Road NW, Prior Lake

Location: Township: 114N Range: 22W Sect: 2

City/Town: City of Prior Lake

Watershed: 33122

Project ID: CP-16-187

### Project Details

#### Practice

#### Shoreline Protection

Quantity/Units: 100.0 Lin Ft

Projected Installation: Summer 2017

#### Resource Protected

#### Prior Lake

#### Project Description

Channelized erosion from approximately 3.5 acres converges on the Haust beach. It is proposed that a combination TRM-lined Waterway and Diversion be installed to divert and convey runoff in a non-erosive manner to the to Prior Lake. A variety of wetland and upland species will be seeded in the waterway and backslope of the diversion.

#### Environmental Benefits

Parameter	Before	After	Saved
Soil Erosion (tons/yr)	11.6	0.0	11.6
Sediment Load (tons/yr)	11.6	0.0	11.6
Phosphorus Load (lbs/yr)	9.8	0.0	9.8
Runoff Reduction (acre ft)	0.0	0.0	0.0

Aerial View of Project Site

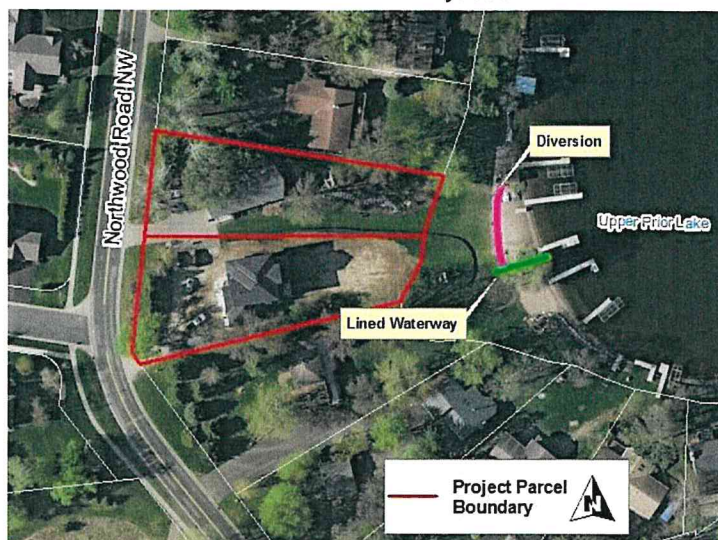
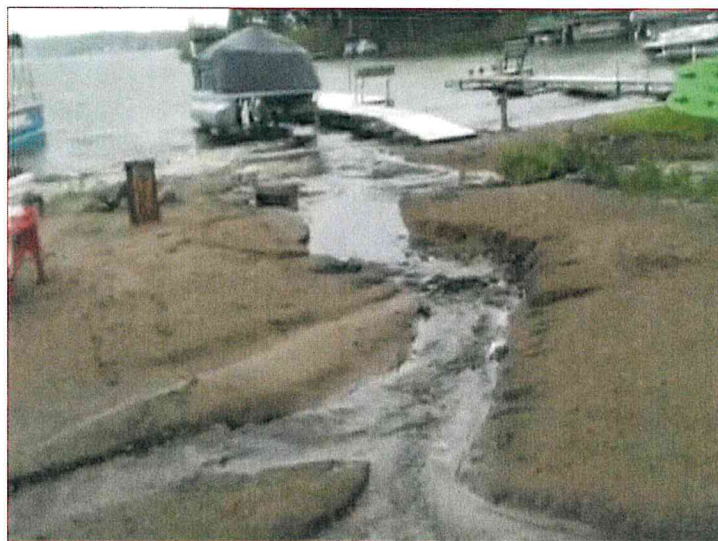


Photo of Current Project Site



### Cost Analysis

Project Costs	
Installation:	
Incentives:	\$0.00
<b>Total:</b>	<b>\$7,200.00</b>
Targeted Project	
<input type="checkbox"/>	

Funding by Source	
Federal	\$0.00
State	\$0.00
SWCD	\$5,400.00
PLSLWD	\$0.00
Cooperator	\$1,800.00

Grant Source	
EPA-319	<input type="checkbox"/>
CWF	<input checked="" type="checkbox"/>
DRAP	<input type="checkbox"/>
Approval Date	
6/20/2017	

Unit Costs*			
	Sediment (\$/Ton)	Phos (\$/Pound)	Runoff (\$/Ac Ft)
SWCD	\$47	\$55	n/a
PLSLWD	\$0	\$0	n/a
<b>Overall</b>	<b>\$62</b>	<b>\$73</b>	<b>n/a</b>

\*Over term of cost share contract



## Joe Hentges Cover Crop

### Cooperator & Location

Applicant(s): Joe Hentges  
 Address: 19990 Vergus Ave, Jordan  
 Location: Township: 114N Range: 22W Sect: 29  
 City/Town: Spring Lake Twp  
 Watershed: 33130  
 Project ID: CP-16-195 Approved: 10/18/2016

### Project Details

#### Practice

#### **Cover Crop**

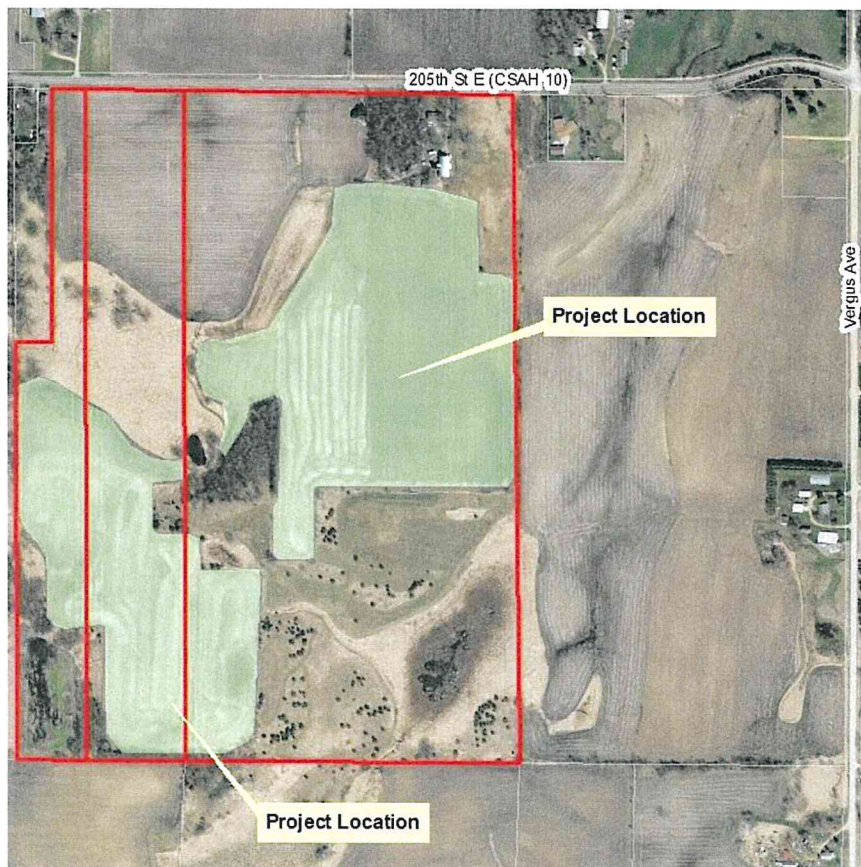
Quantity: 42.0 Acres

Certified Complete: 3/1/18

#### Resource Protected

#### **County Ditch 13**

### Project Location



### Description and Funding

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.

#### **Project Costs**

Installation:	\$0.00
Incentives:	\$1,260.00
<b>Total:</b>	<b>\$1,260.00</b>
Owner Share:	\$0.00

#### **Funding by Source**

Federal	\$0.00
State	\$0.00
SWCD	\$0.00
PLSLWD	\$1,260.00

#### **Program**

EPA-319	<input type="checkbox"/>
CWF	<input type="checkbox"/>
DRAP	<input type="checkbox"/>
FLC	<input type="checkbox"/>



## Joe Hentges Cover Crop

### Cooperator & Location

Applicant(s): Joe Hentges  
 Address: 19990 Vergus Ave, Jordan  
 Location: Township: 114N Range: 22W Sect: 20  
 City/Town: Spring Lake Twp  
 Watershed: 33129  
 Project ID: CP-17-241 Approved: 2/20/2018

### Project Details

#### Practice

#### **Cover Crop**

Quantity: 58.0 Acres

Certified Complete: 3/1/2018

#### Resource Protected

#### **Tributary to Buck Lake**

### Project Location



### Description and Funding

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.

#### **Project Costs**

Installation:	\$0.00
Incentives:	\$5,800.00
<b>Total:</b>	<b>\$5,800.00</b>
Owner Share:	

#### **Funding by Source**

Federal	\$0.00
State	
SWCD	\$0.00
PLSLWD	\$5,800.00

#### **Program**

EPA-319	<input type="checkbox"/>
CWF	<input type="checkbox"/>
DRAP	<input type="checkbox"/>
FLC	<input checked="" type="checkbox"/>



## Steve Hentges Filter Strip

### Cooperator & Location

**Applicant(s):** Steve Hentges  
**Address:** 13780 Old Brick Yard Rd , Shakopee  
**Location:** Township: 114N Range: 22W Sect: 18  
**City/Town:** Spring Lake Twp  
**Watershed:** 33130 Project ID: CP-17-105

### Project Details

#### Practice

#### Filter Strip

Quantity/Units: 2.1 Acres

Projected Installation: 2017

#### Resource Protected

#### Un named Ditch that flows into Spring Lake

#### Project Description

This practice involves establishing and maintaining permanent vegetation along a stream, wetland or other environmentally sensitive area. Typically long and narrow features, filter strips are specifically designed to slow runoff and suspend contaminants that would otherwise discharge into the protected resource, including but not limited to sediment, organic matter, nutrients, and pathogens. These filter strips were identified in the Subwatershed Analysis for West Upper Watershed of Spring Lake in 2015.

#### Environmental Benefits

Parameter	Before	After	Saved
Soil Erosion (tons/yr)	0.8	0.0	0.8
Sediment Load (tons/yr)	41.1	15.1	26.0
Phosphorus Load (lbs/yr)	74.3	32.0	42.3
Runoff Reduction (acre ft)			0.0

Aerial View of Project Site

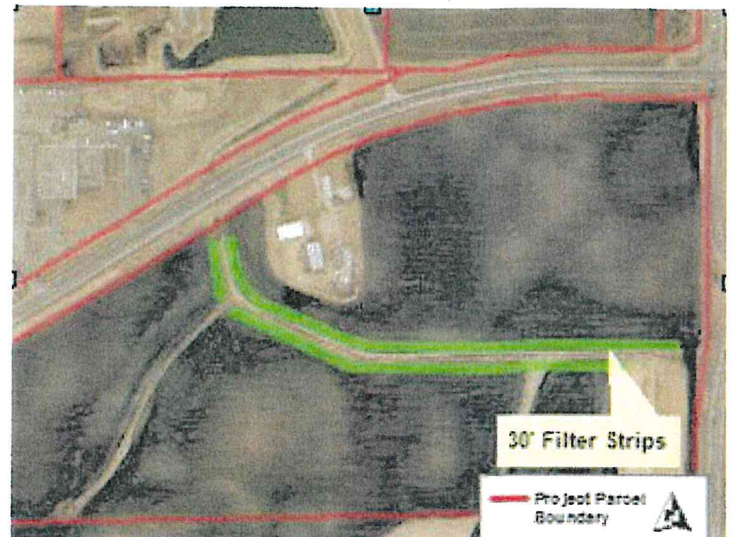


Photo of Current Project Site



### Cost Analysis

Project Costs		Funding by Source		Grant Source		Unit Costs*			
Installation:		Federal	\$0.00	EPA-319	<input type="checkbox"/>		Sediment (\$/Ton)	Phos (\$/Pound)	Runoff (\$/Ac Ft)
Incentives:	\$6,180.00	State		CWF	<input checked="" type="checkbox"/>				
<b>Total:</b>	<b>\$6,180.00</b>	SWCD	\$3,090.00	DRAP	<input type="checkbox"/>	SWCD	\$12	\$7	n/a
<b>Targeted Project</b>	<input type="checkbox"/>	PLSLWD	\$3,090.00	<b>Approval Date</b>		PLSLWD	\$12	\$7	n/a
		Cooperator		8/15/2017		Overall	\$24	\$15	n/a

\*Over term of cost share contract



Conservation Cooperator  
Completed Project Fact Sheet



# Kathryn Jensen Critical Area Planting

## Cooperator & Location

Applicant(s): Kathryn Jensen  
Address: 18181 Luedke Ln, Prior Lake  
Location: Township: 114N Range: 22W Sect: 14  
City/Town: Spring Lake Twp  
Watershed: 33122 Project ID: CP-17-076

## Project Details

### Practice

### Critical Area Planting

Quantity: 1.1 Acres Certified Complete: 10/10/17

### Resource Protected

### Type III Wetland flowing to Rice Lake

### Project Description

A Critical Area Planting is establishing permanent vegetation on sites that have or are expected to have high erosion rates, and on sites that have physical, chemical or biological conditions that prevent the establishment of vegetation with normal planting practices. The prior pasture condition has degraded to a feedlot condition due to overgrazing and heavy rainfall events generating extreme erosion that flows onto the neighbors property and into a type III wetland that is a tributary to Rice Lake. Kathryn has had the area regraded, topsoiled, seeded, mulched and crimped. The vegetation is establishing very well 1 month after construction.

### Environmental Benefits

Parameter	Before	After	Saved
Soil Erosion (tons/yr)	127.0	0.2	126.8
Sediment Load (tons/yr)	13.7	0.0	13.7
Phosphorus Load (lbs/yr)	14.4	0.1	14.3
Runoff Reduction (acre ft)			0.0

Before Photo



After Photo



## Cost Analysis

Project Costs		Funding by Source		Grant Source		Unit Costs*				
Installation:	\$16,431.20	Federal	\$0.00	EPA-319	<input type="checkbox"/>		Sediment (\$/Ton)	Phos (\$/Pound)	Runoff (\$/Ac Ft)	
Incentives:	\$0.00	State		CWF	<input checked="" type="checkbox"/>		SWCD	\$33	\$31	n/a
Total:	\$16,431.20	SWCD	\$4,457.50	DRAP	<input type="checkbox"/>		PLSLWD	\$54	\$52	n/a
Targeted Project		PLSLWD	\$7,400.00	Approval Date			Overall	\$120	\$115	n/a
<input type="checkbox"/>		Cooperator	\$4,573.70	8/15/2017						

\*Over term of cost share contract

\*Over term of cost share contract



# Conservation Cooperator Completed Project Fact Sheet



## Jim Klingberg Nutrient Management (Variable Rate Application)

### Cooperator & Location

Applicant(s): Jim Klingberg  
 Address: 21410 Vergus Ave, Prior Lake  
 Location: Township: 114N Range: 22W Sect: 32  
 City/Town: Spring Lake Twp  
 Watershed: 33130  
 Project ID: CP-16-117 Approved: 12/20/2016

### Project Details

#### Practice

#### Nutrient Management (Variable Rate Application)

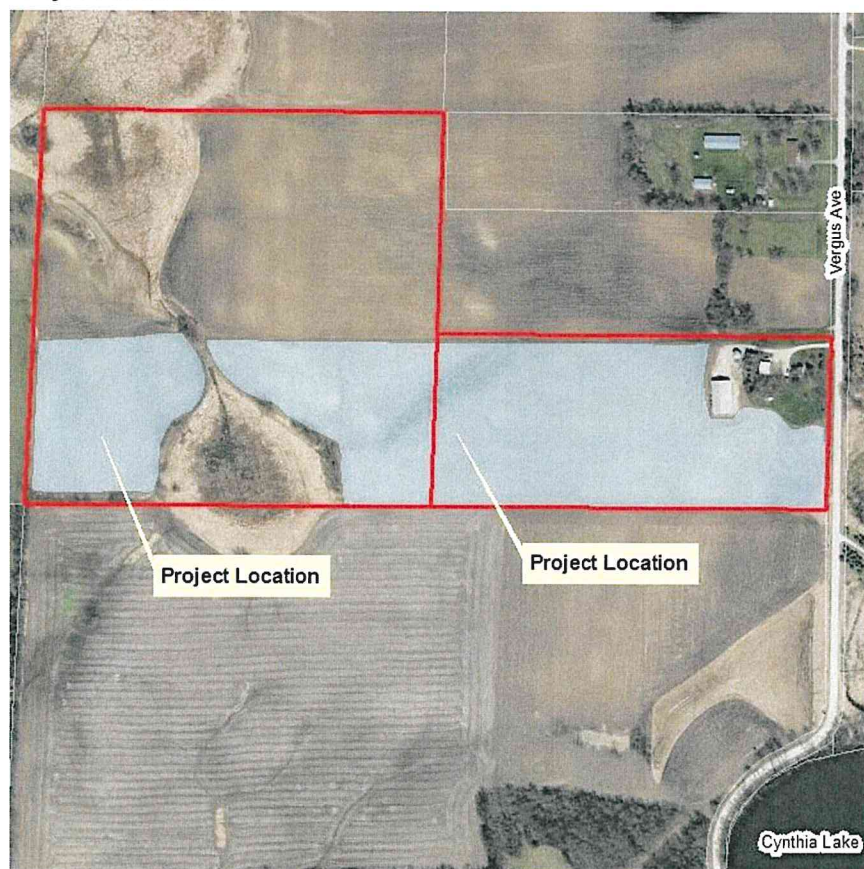
Quantity: 26.7 Acres

Certified Complete: 1/4/2017

#### Resource Protected

#### Spring Lake Watershed

### Project Location



### Description and Funding

Nutrient Management is managing the amount, source, placement, form and timing of the applications of plant nutrients and soil amendments. The purpose is to minimize pollution to surface and groundwater resources.

Project Costs	
Installation:	\$0.00
Incentives:	\$267.00
<b>Total:</b>	<b>\$267.00</b>
Owner Share:	\$0.00

Funding by Source	
Federal	\$0.00
State	\$0.00
SWCD	\$0.00
PLSLWD	\$267.00

Program	
EPA-319	<input type="checkbox"/>
CWF	<input type="checkbox"/>
DRAP	<input type="checkbox"/>
FLC	<input checked="" type="checkbox"/>



## Connie Kochlin Grassed Waterway

### Cooperator & Location

Applicant(s): Connie Kochlin  
 Address: 213 Sunset Drive, Jordan  
 Location: Township: 114N Range: 23W Sect: 25  
 City/Town: Sand Creek Twp  
 Watershed: 33130 Project ID: CP-13-642

### Project Details

#### Practice

#### Grassed Waterway

Quantity: **1,300.0 Lin Ft** Certified Complete: 11/1/2017

#### Resource Protected

#### Sutton Lake

#### Project Description

A grassed waterway is a shaped or graded channel that is established with suitable vegetation to convey runoff from terraces, diversions, or other water concentrations at non-erosive velocities to a stable outlet. This practice is used to repair or prevent ephemeral (seasonal) or continual gully erosion, and to protect water quality. A combination of Waterways, Diversions, Critical Area Plantings and a lined outlet will safely convey the water to eliminate ephemeral erosion to Sutton Lake. Connie had the gullies fixed and the practices installed to eliminate erosion to Sutton Lake. A native grass planting is planned for next spring to further reduce runoff to the lake.

#### Environmental Benefits

Parameter	Before	After	Saved
Soil Erosion (tons/yr)	75.6	0.0	<b>75.6</b>
Sediment Load (tons/yr)	75.6	0.0	<b>75.6</b>
Phosphorus Load (lbs/yr)	75.6	0.0	<b>75.6</b>
Runoff Reduction (acre ft)	0.0	0.0	<b>0.0</b>

Before Photo



After Photo



### Cost Analysis

Project Costs	
Installation:	\$44,390.40
Incentives:	\$0.00
<b>Total:</b>	<b>\$44,390.40</b>
Targeted Project	
<input type="checkbox"/>	

Funding by Source	
Federal	\$12,554.28
State	\$0.00
SWCD	\$27,288.00
PLSLWD	\$0.00
Cooperator	\$4,548.12

Grant Source	
EPA-319	<input type="checkbox"/>
CWF	<input checked="" type="checkbox"/>
DRAP	<input type="checkbox"/>
Approval Date	
10/18/2016	

Unit Costs*			
	Sediment (\$/Ton)	Phos (\$/Pound)	Runoff (\$/Ac Ft)
SWCD	\$36	\$36	n/a
PLSLWD	\$0	\$0	n/a
Overall	\$59	\$59	n/a

\*Over term of cost share contract



## Connie Kochlin Native Grasses

### Cooperator & Location

Applicant(s): Connie Kochlin  
 Address: 213 Sunset Drive, Jordan  
 Location: Township: 114N Range: 23W Sect: 25  
 City/Town: Sand Creek Twp  
 Watershed: 33130 Project ID: CP-14-186

### Project Details

#### Practice

#### Native Grasses

Quantity/Units: 4.5 Acres

Projected Installation: Fall 2017

#### Resource Protected

#### Sutton Lake

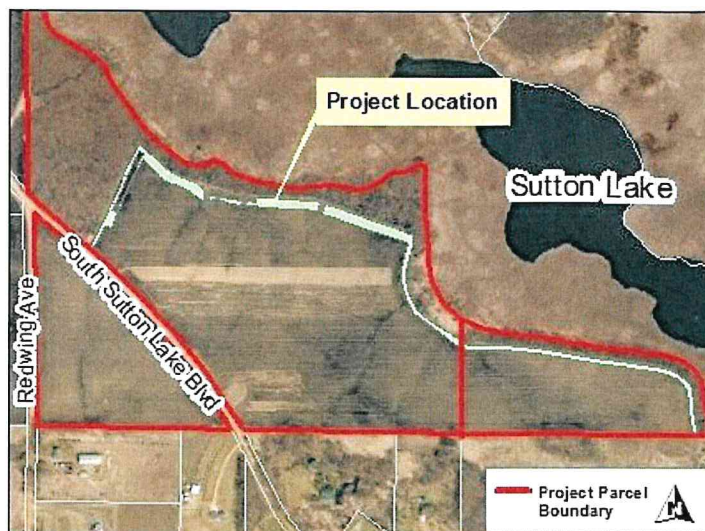
#### Project Description

This practice entails the establishment of native prairie ecosystems that were characteristic throughout Minnesota prior to settlement. The primary purpose is to improve downstream water quality by eliminating sources of sediment and other pollutants, and reducing runoff volumes. Though emphasis is on grass species, restoration projects will include numerous native forb (wildflower) species as well. Connie wishes to install native grasses in the field as a buffer to Sutton Lake.

#### Environmental Benefits

Parameter	Before	After	Saved
Soil Erosion (tons/yr)	5.2	0.1	5.1
Sediment Load (tons/yr)	38.3	11.6	26.7
Phosphorus Load (lbs/yr)	59.0	22.3	36.7
Runoff Reduction (acre ft)	3.7	1.6	2.1

### Aerial View of Project Site



### Photo of Current Project Site



### Cost Analysis

Project Costs		Funding Sources		Grant Sources		Unit Costs*				
Installation:	\$3,190.00	Federal	\$0.00	EPA-319	<input type="checkbox"/>		Sediment (\$/Ton)	Phos (\$/Pound)	Runoff (\$/Ac Ft)	
Incentives:	\$12,100.00	State	\$0.00	CWF	<input checked="" type="checkbox"/>		SWCD	\$51	\$37	\$652
Other:		SWCD	\$13,695.00	DRAP	<input type="checkbox"/>		PLSLWD	\$0	\$0	n/a
Total:	\$15,290.00	PLSLWD	\$0.00	Approved			Overall	\$57	\$42	\$728
		Cooperator	\$1,595.00	6/20/2017		*Over term of cost share contract				



Conservation Cooperator  
**Proposed Project Fact Sheet**



# Connie Kochlin Whole Farm Planning

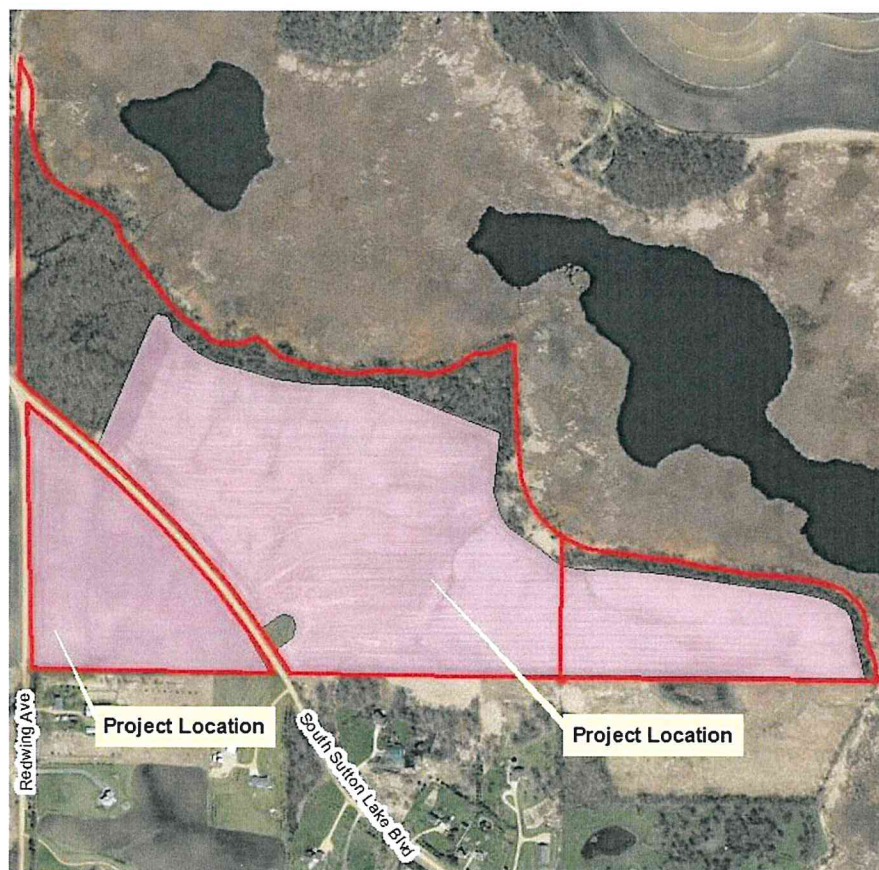
## Cooperator & Location

Applicant(s): Connie Kochlin  
 Address: 213 Sunset Drive, Jordan  
 Location: Township: 114N Range: 23W Sect: 25  
 City/Town: Sand Creek Twp  
 Watershed: 33130  
 Project ID: CP-16-219 Approved: 12/19/2017

## Project Details

Practice  
**Whole Farm Planning**  
 Quantity: **94.4 Acres** Start by: Fall 2016  
Resource Protected  
**Sutton Lake**

## Project Location



## Description and Funding

Connie is interested in having her land assessed through the Minnesota Agricultural Water Quality Certification Program (MAWQCP).

Project Costs		Funding by Source		Program	
Installation:	\$0.00	Federal	\$0.00	EPA-319	<input type="checkbox"/>
Incentives:	\$472.00	State	\$0.00	CWF	<input type="checkbox"/>
<b>Total:</b>	<b>\$472.00</b>	SWCD	\$0.00	DRAP	<input type="checkbox"/>
Owner Share:	\$0.00	PLSLWD	\$472.00	FLC	<input type="checkbox"/>



## Misty Lindstrom Well Decommissioning

### Cooperator & Location

Applicant(s): Misty Lindstrom  
Address: 3124 Linden Circle NW, Prior Lake  
Location: Township: 114N Range: 22W Sect: 3  
City/Town: City of Prior Lake  
Watershed: 33122 Project ID: CP-17-171

### Project Details

#### Practice

#### Well Decommissioning

Quantity: 1.0 Each

Certified Complete:

#### 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.

Before Photo



After Photo



### Cost Analysis

Project Costs		Funding by Source		Grant Source	
Installation:	\$1,784.50	Federal	\$0.00	EPA-319	<input type="checkbox"/>
Incentives:	\$0.00	State	\$500.00	CWF	<input type="checkbox"/>
Total:	\$1,784.50	SWCD	\$0.00	DRAP	<input type="checkbox"/>
Targeted Project		PLSLWD	\$500.00	Approval Date	
<input type="checkbox"/>		Cooperator	\$784.50	9/12/2017	



## Lydia Zion United Methodist Church Restoration & Mgmt of Declining Habitats

### Cooperator & Location

**Applicant(s):** Lydia Zion United Methodist Church  
**Address:** 1026 205th St East, Jordan  
**Location:** Township: 114N Range: 22W Sect: 29  
**City/Town:** Spring Lake Twp  
**Watershed:** 33130 Project ID: CP-15-015

### Project Details

#### Practice

#### Restoration & Mgmt of Declining Habitats

Quantity: 2.6 Acres

Certified Complete: 6/22/2016

#### Resource Protected

#### DNR Intermittent Stream, County Ditch #13

#### Project Description

Zion Church implemented several conservation practices, including a native prairie restoration, while renovating their church and surrounding property. They planted native prairie to slow down water runoff, benefit pollinators, and educate the public. 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 includes numerous native grasses and flowers, enhanced 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)	4.4	0.0	4.4
Sediment Load (tons/yr)	1.0	0.0	1.0
Phosphorus Load (lbs/yr)	2.1	0.0	2.1
Runoff Reduction (acre ft)	2.6	1.1	1.5

Before Photo



After Photo



### Cost Analysis

Project Costs		Funding by Source		Grant Source		Unit Costs*			
Installation:	\$1,209.40	Federal	\$0.00	EPA-319	<input type="checkbox"/>		Sediment (\$/Ton)	Phos (\$/Pound)	Runoff (\$/Ac Ft)
Incentives:	\$5,200.00	State	\$0.00	CWF	<input checked="" type="checkbox"/>		SWCD	\$435	\$207
Total:	\$6,409.40	SWCD	\$4,353.52	DRAP	<input type="checkbox"/>		PLSLWD	\$145	\$69
Targeted Project		PLSLWD	\$1,451.18	Approval Date			Overall	\$641	\$305
<input type="checkbox"/>		Cooperator	\$604.70	4/19/2016					\$427

\*Over term of cost share contract



## Ernest & Denise Moen Conservation Cover

### Cooperator & Location

Applicant(s): Ernest & Denise Moen  
 Address: 20220 Langford Way, Jordan  
 Location: Township: 114N Range: 22W Sect: 30  
 City/Town: Spring Lake Twp  
 Watershed: 33130 Project ID: CP-17-050

### Project Details

#### Practice

#### Conservation Cover

Quantity: 1.3 Acres

Certified Complete: 6/12/2017

#### Resource Protected

#### DNR Intermittent Stream, County Ditch #13

#### Project Description

Ernie is aware that runoff from his crop field drains to the nearby stream. He also wanted to improve wildlife habitat on his property. So, he decided that he wanted to plant his field to native prairie! 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)	2.2	0.0	2.2
Sediment Load (tons/yr)	0.6	0.0	0.6
Phosphorus Load (lbs/yr)	1.2	0.0	1.2
Runoff Reduction (acre ft)	1.1	0.0	1.1

Before Photo



After Photo



### Cost Analysis

Project Costs		Funding by Source		Grant Source		Unit Costs*			
Installation:	\$533.06	Federal	\$0.00	EPA-319	<input type="checkbox"/>		Sediment (\$/Ton)	Phos (\$/Pound)	Runoff (\$/Ac Ft)
Incentives:	\$650.00	State		CWF	<input type="checkbox"/>		SWCD	\$0	\$0
Total:	\$1,183.06	SWCD	\$0.00	DRAP	<input type="checkbox"/>		PLSLWD	\$108	\$54
Targeted Project		PLSLWD	\$650.00	Approval Date			Overall	\$197	\$99
<input type="checkbox"/>		Cooperator	\$533.06	5/16/2017				\$108	

\*Over term of cost share contract



Conservation Cooperator  
**Proposed Project Fact Sheet**



# Tim O'Loughlin Nutrient Management (Variable Rate Application)

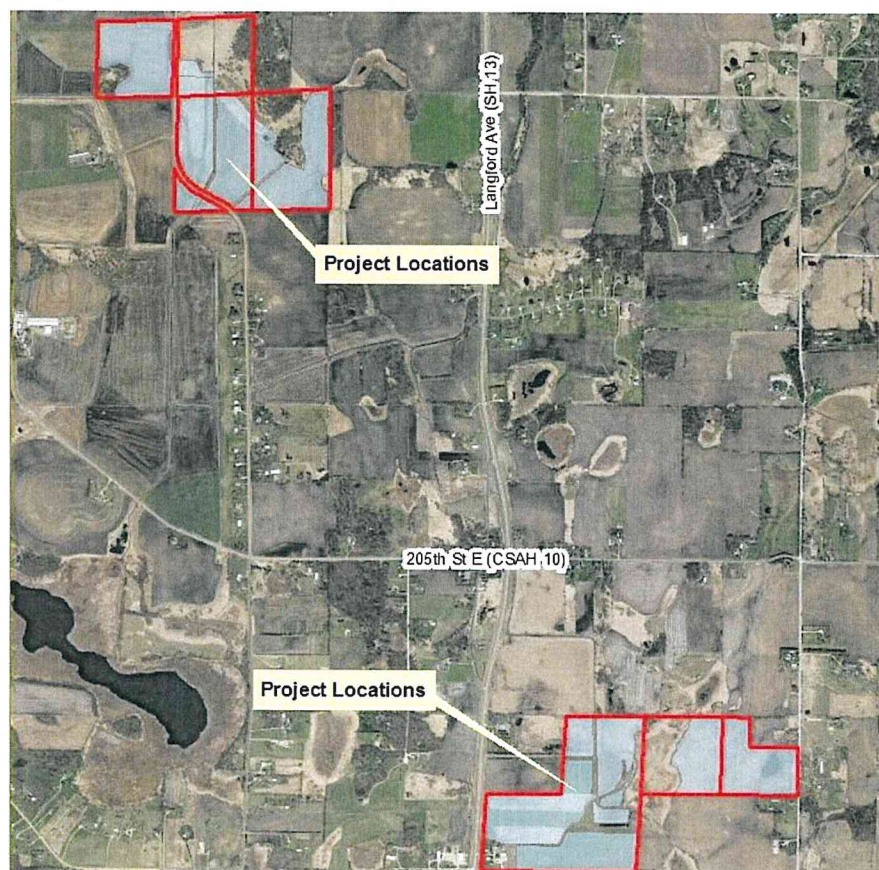
## Cooperator & Location

Applicant(s): Tim O'Loughlin  
 Address: 12635 Shannon Drive, Shakopee  
 Location: Township: 114N Range: 22W Sect: 32  
 City/Town: Spring Lake Twp  
 Watershed: 33130  
 Project ID: CP-16-249 Approved: 12/20/2016

## Project Details

Practice  
**Nutrient Management (Variable Rate Application)**  
 Quantity: 280.0 Acres Start by: 11/01/2016  
Resource Protected  
**Spring Lake Watershed**

## Project Location



## Description and Funding

Nutrient Management is managing the amount, source, placement, form and timing of the applications of plant nutrients and soil amendments. The purpose is to minimize pollution to surface and groundwater resources.

Project Costs	
Installation:	\$0.00
Incentives:	\$2,800.00
<b>Total:</b>	<b>\$2,800.00</b>
Owner Share:	\$0.00

Funding by Source	
Federal	\$0.00
State	\$0.00
SWCD	\$0.00
PLSLWD	\$2,800.00

Program	
EPA-319	<input type="checkbox"/>
CWF	<input type="checkbox"/>
DRAP	<input type="checkbox"/>
FLC	<input checked="" type="checkbox"/>



## Anthony & Claire Robling Conservation Cover

### Cooperator & Location

**Applicant(s):** Anthony & Claire Robling  
**Address:** 1169 Butterfly Ln., Jordan  
**Location:** Township: 114N Range: 22W Sect: 20  
**City/Town:** Spring Lake Twp  
**Watershed:** 33130 Project ID: CP-15-039

### Project Details

#### Practice

#### Conservation Cover

Quantity/Units: 10.0 Acres

Projected Installation: Spring 2018

#### Resource Protected

#### USFWS Wetland

#### Project Description

Tony wants to cease cropping and would like to add wildlife habitat to his property. 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)	15.8	0.0	15.8
Sediment Load (tons/yr)	5.3	0.0	5.3
Phosphorus Load (lbs/yr)	9.5	0.0	9.5
Runoff Reduction (acre ft)	8.1	3.5	4.6

Aerial View of Project Site

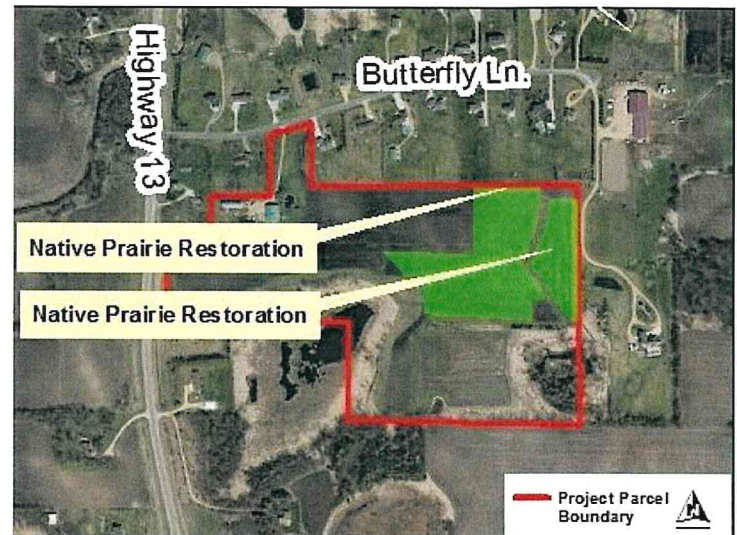


Photo of Current Project Site



### Cost Analysis

Project Costs	
Installation:	\$3,990.00
Incentives:	\$20,000.00
Total:	\$23,990.00
Targeted Project	
<input type="checkbox"/>	

Funding by Source	
Federal	\$0.00
State	\$0.00
SWCD	\$21,995.00
PLSLWD	\$0.00
Cooperator	\$1,995.00

Grant Source	
EPA-319	<input type="checkbox"/>
CWF	<input checked="" type="checkbox"/>
DRAP	<input type="checkbox"/>
Approval Date	
12/19/2017	

Unit Costs*			
	Sediment (\$/Ton)	Phos (\$/Pound)	Runoff (\$/Ac Ft)
SWCD	\$415	\$232	\$478
PLSLWD	\$0	\$0	n/a
Overall	\$453	\$253	\$522

Over term of cost share contract



## Chris Short Shoreline Protection

### Cooperator & Location

Applicant(s): Chris Short  
 Address: P.O. Box 308, Prior Lake  
 Location: Township: 114N Range: 22W Sect: 3  
 City/Town: City of Prior Lake  
 Watershed: 33122 Project ID: CP-16-160

### Project Details

#### Practice

#### Shoreline Protection

Quantity: 120.0 Lin Ft Certified Complete: 12/13/2017

#### Resource Protected

#### Upper Prior Lake

#### Project Description

An existing retaining wall constructed on the shoreline collapsed during the most recent high water event. Double 12" Coir Logs were installed at the shoreline, the vertical bank was excavated and sloped back and erosion control blanket installed over a native seeding to stabilize the shoreline. Native plugs will be installed in the Spring of 2018 to complete the project.

Before Photo



After Photo



### Cost Analysis

Project Costs		Funding by Source		Grant Source	
Installation:	\$12,540.00	Federal	\$0.00	EPA-319	<input type="checkbox"/>
Incentives:	\$0.00	State	\$0.00	CWF	<input checked="" type="checkbox"/>
<b>Total:</b>	<b>\$12,540.00</b>	SWCD	\$9,405.00	DRAP	<input type="checkbox"/>
Targeted Project		PLSLWD	\$0.00	Approval Date	
<input type="checkbox"/>		Cooperator	\$3,135.00	4/18/2017	



## Karen Sweet Shoreline Protection

### Cooperator & Location

**Applicant(s):** Karen Sweet  
**Address:** 5366 Fairlawn Shores Trail, Prior Lake  
**Location:** Township: 115N Range: 22W Sect: 25  
**City/Town:** City of Prior Lake  
**Watershed:** 33122 Project ID: CP-16-217

### Project Details

#### Practice

#### **Shoreline Protection**

Quantity: 150.0 Lin Ft Certified Complete: 6/13/2017

#### Resource Protected

#### **Lower Prior Lake**

#### Project Description

Karen had previously installed a concrete retaining wall on her shoreline to prevent erosion. Over time, the structure has started to fail and erosion is occurring. To help stabilize and prevent excessive overland flow, a native buffer was planted.

Before Photo



After Photo



### Cost Analysis

Project Costs		Funding by Source		Grant Source	
Installation:		Federal	\$0.00	EPA-319	<input type="checkbox"/>
Incentives:	\$0.00	State	\$0.00	CWF	<input type="checkbox"/>
<b>Total:</b>	<b>\$1,233.40</b>	SWCD	\$0.00	DRAP	<input type="checkbox"/>
Targeted Project		PLSLWD	\$615.00	Approval Date	
<input type="checkbox"/>		Cooperator	\$618.40	11/15/2016	



## Eugene Wenner Well Decommissioning

### Cooperator & Location

Applicant(s): Eugene Wenner  
Address: 3214 Butternut Circle, Prior Lake  
Location: Township: 114N Range: 22W Sect: 3  
City/Town: City of Prior Lake  
Watershed: 33122 Project ID: CP-17-166

### Project Details

#### Practice

#### Well Decommissioning

Quantity: 1.0 Each

Certified Complete: 11/8/2017

#### 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.

Before Photo



After Photo



### Cost Analysis

Project Costs		Funding by Source		Grant Source	
Installation:	\$1,190.00	Federal	\$0.00	EPA-319	<input type="checkbox"/>
Incentives:	\$0.00	State	\$421.87	CWF	<input type="checkbox"/>
Total:	\$1,190.00	SWCD	\$0.00	DRAP	<input type="checkbox"/>
Targeted Project		PLSLWD	\$421.88	Approval Date	
<input type="checkbox"/>		Cooperator	\$346.25	9/12/2017	

# PRIOR LAKE – SPRING LAKE

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## W A T E R S H E D   D I S T R I C T

### 4.5 Aquatic Vegetation Survey Presentation

Steve McComas, Blue Water Science, has worked on aquatic vegetation management for the District for over 20 years. This is his annual presentation.

# PRIOR LAKE – SPRING LAKE

## WATERSHED DISTRICT

### February 2018 Programs & Projects Update

PROJECT	LAST MONTH'S STAFF ACTIVITIES	NEXT STEPS
<b>CR 12/17 Wetland Restoration</b> <i>(Class 741)</i> <i>Project Lead: Maggie</i>		<ul style="list-style-type: none"> <li>Continue to work with AES on invasive species control.</li> <li>AES will correct area along Sunset Avenue and reseed this spring with a native seed mix.</li> <li>Move the large sign to a better viewpoint, with City assistance.</li> </ul>
<b>Lower Prior Lake Diagnostic Study Implementation</b> <i>LPDS Grant (Class 743)</i> <i>Project Lead: Maggie</i>	<ul style="list-style-type: none"> <li>Processed final payment request for Indian Ridge Park and Fairlawn Shores. Worked with Kevin Casey's insurance company to receive maintenance bond for projects.</li> <li>City of Prior Lake advertised bids for Sand Point Beach Park Project and conducted a bid opening on February 2<sup>nd</sup>. Agreement draft was reviewed and accepted by the City Council on February 5<sup>th</sup>.</li> <li>Submitted semi-annual grant report to MPCA as well as a reimbursement request for 2017 expenses.</li> </ul>	<ul style="list-style-type: none"> <li>Present City Agreement for Sand Point Beach Park Project to Board for approval and execute contract.</li> <li>Anticipate that construction at Sand Point Beach Park will start in February and that construction will be completed by the end of May.</li> <li>Coordinate mailing with the City that will be sent out to the Sand Point Beach Park neighborhood prior to construction.</li> <li>Order and install interpretive signs for projects.</li> </ul>

# PRIOR LAKE – SPRING LAKE

## WATERSHED DISTRICT

**February 2018**

### Programs & Projects Update

PROJECT	LAST MONTH'S STAFF ACTIVITIES	NEXT STEPS
<b>Carp Management</b> <i>In Lake Management (Class 611)</i> <b>Project Lead: Amy &amp; Maggie</b> <b>Carp Management Project (Class 747)</b> <b>Project Lead: Maggie &amp; Kathryn</b>	<ul style="list-style-type: none"> <li>• Sent mailing out to shoreline residents near Upper Prior Lake seine area to let them know what was going on and what to expect. Sent email updates on the seine to DNR, City contacts, County, sheriff, lake association, volunteers, and others. Coordinated with Prior Lake American to have a reporter attend seine event.</li> <li>• Completed a successful, commercially viable seine on Upper Prior Lake on January 18<sup>th</sup> that removed 35,000 pounds (17 tons) of carp from the lake.</li> <li>• WSB and staff have continued to track carp across Prior Lake. They have started to group again near the same area as the last seine, but are a little too far to the east by the rocks. Tony has been trying to contact Don Geyer to see if he would be willing to go in for another seine in the next week or two.</li> <li>• Submitted semi-annual grant report to MPCA as well as a reimbursement request for 2017 expenses.</li> <li>• Met with WSB to coordinate project components for 2018, lining up milestones for the year to keep us on track.</li> </ul>	<ul style="list-style-type: none"> <li>• Coordinate one additional seine event this winter on Upper Prior Lake.</li> <li>• WSB and PLSLWD staff will continue to track the radio-tagged carp.</li> <li>• Apply for grants for continued carp management work. Meet with LCCMR staff to discuss upcoming proposal.</li> <li>• Survey property line on Arvid's property on Spring Lake outlet to determine if there is a better location for the temporary barrier and PIT tag receiver.</li> <li>• Contact the landowners on the Geis wetland. Prepare the wetland for electrofishing efforts by creating a landing for the boat by the FeCl plant and by obtaining necessary permits.</li> </ul>
<b>Clean Water Fund Grants: Fish Point Park</b> <i>Fish Point Park (Class 745)</i> <b>Project Lead: Maggie</b>		<ul style="list-style-type: none"> <li>• Work on water quality monitoring plan for 2018.</li> <li>• Continue to work with Minnesota Native Landscapes on vegetation maintenance in growing season.</li> </ul>
<b>Flood Storage</b> <b>Project Lead: Diane</b>		<ul style="list-style-type: none"> <li>• Identify other landowners and meet with them.</li> </ul>



# PRIOR LAKE – SPRING LAKE WATERSHED DISTRICT

**February 2018**

## **Programs & Projects Update**

PROJECT	LAST MONTH'S STAFF ACTIVITIES	NEXT STEPS
<b>Spring Lake Parcel Restoration Project</b> <i>Project Lead: Maggie &amp; Kathryn</i>		<ul style="list-style-type: none"> <li>• Order and install large sign visible from lake.</li> <li>• Monitor restoration and work with GRG on controlling invasive species during growing season.</li> <li>• Order and install small plant identification signs.</li> </ul>
<b>Raymond Park Restoration Project</b> <i>Project Lead: Kathryn</i>	<ul style="list-style-type: none"> <li>• Completed reimbursement request for work completed in 2017.</li> </ul>	<ul style="list-style-type: none"> <li>• Continue coordinating with Great River Greening and the City of Prior Lake.</li> <li>• Great River Greening will continue maintenance at park next year. Follow-up visits will keep buckthorn and other invasives at bay. Additional seeding will be done next year, if needed.</li> <li>• Design educational interpretative signs.</li> </ul>
<b>DU Wetland 2 Acquisition Project</b> <i>Project Lead: Maggie</i>		<ul style="list-style-type: none"> <li>• Coordinate sign removal from property this spring.</li> <li>• Meet with neighboring landowners this winter/spring to develop management agreement.</li> </ul>
<b>Spring Lake Alum Treatment</b> <i>Project Lead: Jaime</i>	<ul style="list-style-type: none"> <li>• PLSLWD reviewing contract documents.</li> </ul>	<ul style="list-style-type: none"> <li>• Solicit bids for Alum applicator.</li> </ul>

# PRIOR LAKE – SPRING LAKE

## WATERSHED DISTRICT

### Operations Update

PROGRAM	LAST MONTH'S STAFF ACTIVITIES	NEXT STEPS
<b>Monitoring</b> <i>Monitoring and Data Acquisition (Class 637)</i> <b>Project Lead: Jaime</b>	<ul style="list-style-type: none"> <li>• Data management.</li> <li>• Back page of report cards.</li> <li>• Database maintenance/entry.</li> <li>• Work on Monitoring Manual.</li> <li>• Reviewed resumes and selected applicants to interview for new position.</li> </ul>	<ul style="list-style-type: none"> <li>• Data management.</li> <li>• Finish Monitoring Manual.</li> <li>• Install weather station in spring.</li> <li>• Train new monitoring staff.</li> </ul>
<b>Ferric Chloride System Operations</b> <i>Ferric Chloride System (Class 611)</i> <b>Project Lead: Jaime</b>	<ul style="list-style-type: none"> <li>• Completed monthly DMR report.</li> <li>• Reviewed options for fixing fish barrier with WSB.</li> <li>• Working on Annual Report.</li> </ul>	<ul style="list-style-type: none"> <li>• Monthly DMR Report.</li> <li>• Finish Annual Report.</li> <li>• Get quote and options for fish barrier at weir from WSB.</li> </ul>
<b>Farmer-Led Council</b> <i>Ag/Farmer Initiatives (Class 611)</i> <b>Project Lead: Maggie</b>	<ul style="list-style-type: none"> <li>• Updated the website with information on FLC activities. Sent mailer out to local farmers inviting them to the FLC meeting. Coordinated with SWCD to plan for the FLC meeting.</li> <li>• Farmer-Led Council meeting was held on January 25<sup>th</sup> at Spring Lake Town Hall.</li> </ul>	<ul style="list-style-type: none"> <li>• Coordinate with Tim Radatz from Discovery Farms who will be attending the next FLC Meeting as a guest speaker. Hannah from the Prior Lake American might also come to the next FLC Meeting to do a piece on it for the paper.</li> <li>• SWCD will meet with two more farmers to put test fields through the Lake Friendly Farm scoring system so that the FLC may further refine it.</li> <li>• Organize next Farmer-Led Council meeting scheduled for March 13<sup>th</sup> at Spring Lake Town Hall.</li> <li>• Design and order Lake Friendly Farm program signs for 2018.</li> </ul>
<b>Permitting</b> <i>Regulation (Class 648)</i> <b>Project Lead: Maggie &amp; Kathryn</b>	<ul style="list-style-type: none"> <li>• Completed permit inspections on open permits.</li> <li>• Correspond with MnDOT on getting conditions of Permit #18.01 met so that the permit may be issued.</li> </ul>	<ul style="list-style-type: none"> <li>• Continue to work with Shamrock Development to close out five old permits.</li> <li>• Continue to inspect, follow-up on and close remaining open permits.</li> <li>• Issue Permit #18.01 to MnDOT.</li> </ul>



# PRIOR LAKE – SPRING LAKE

## WATERSHED DISTRICT

### Operations Update

PROGRAM	LAST MONTH'S STAFF ACTIVITIES	NEXT STEPS
<b>BMP Inspections</b> <i>Regulation (Class 648)</i> <b>Project Lead: Maggie &amp; Kathryn</b>	<ul style="list-style-type: none"> <li>A722055 Amendment: <ul style="list-style-type: none"> <li>✓ Continued to correspond with Cauley's mortgage company on obtaining a signed mortgage consent for the proposed amendment.</li> </ul> </li> <li>A579467 Amendment: <ul style="list-style-type: none"> <li>✓ Continued to work with association representative on next steps.</li> </ul> </li> <li>Completed internship description for two positions available this summer. Posted internship information on PLSLWD website and on job sites.</li> <li>Researched survey-grade GPS units to more accurately determine boundary lines.</li> </ul>	<ul style="list-style-type: none"> <li>Review amendment requests as they are received.</li> <li>Create baseline documentation for each conservation easement property.</li> <li>Work with two remaining landowners of A722055 – Parcel B on amending the easement.</li> <li>Work with landowners to resolve violations.</li> <li>Work with SWCD to survey boundaries for two additional boundaries (in spring).</li> <li>Review resumes as they are submitted for the internship positions which has a closing date of March 5<sup>th</sup>, and select final candidates for interviews.</li> </ul>
<b>Citizen Advisory Committee</b> <i>Education and Outreach (Class 652)</i> <b>Project Lead: Diane &amp; Kathryn</b>	<ul style="list-style-type: none"> <li>Meeting on February 22</li> </ul>	<ul style="list-style-type: none"> <li>Next CAC meeting is on March 29</li> </ul>

# PRIOR LAKE – SPRING LAKE

## WATERSHED DISTRICT

### Operations Update

<p><b>Website and Media</b></p> <p><i>Education and Outreach (Class 652)</i></p> <p><b>Project Lead: Diane &amp; Kathryn</b></p>	<ul style="list-style-type: none"> <li>• <b>As of Feb 8<sup>th</sup> at 11 am:</b></li> <li>• <b>Website articles posted—</b> Colossal carp catch on Upper Prior; Upcoming carp seine on Upper Prior Lake; Hiring Summer Water Resources interns.</li> <li>• <b>PLA articles</b> Carp removed from Prior Lake. WQ Award winners announced.</li> <li>• Facebook &amp; Twitter- continuing Trivia Tuesday (post question on Tuesday and separate post w/ answer on Wednesday).</li> <li>• <b>Facebook:</b> <ul style="list-style-type: none"> <li>• 279 page likes; 13 new likes</li> <li>• <u><b>Top Posts on FB:</b></u> <ul style="list-style-type: none"> <li>○ <b>WQ Award winners</b> (377 views, 5 likes, 19 link clicks)</li> <li>○ <b>Carp seine- video of Tony:</b> (296 views, 65 post clicks)</li> <li>○ <b>Carp seine video</b> (293 views, 9 likes, 75 post clicks)</li> <li>○ <b>Trivia-carp</b> (158 views, 31 post clicks)</li> <li>○ <b>5 carp seine posts</b> (all w/ about 130 views)</li> <li>○ <b>World wetland's day-Bill Nye video</b> (127 views, 10 post clicks)</li> <li>○ <b>18 Posts w/ 100+ views</b></li> </ul> </li> </ul> </li> <li>• <b>Twitter:</b> generally same as the FB articles. 9,500 total post impressions this month. 212 followers. 7 new followers.</li> <li>• <b>20 Tweets w/ over 100 views</b></li> <li>• <u><b>Top Posts on Twitter</b></u> <ul style="list-style-type: none"> <li>○ <b>Dave Beer, Curt Hennes w/ giant carp</b> (3014 impressions (views), 360 engagements)</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Continue writing posts and updates about projects</li> <li>• Will tweet and/or update Facebook about projects &amp; news.</li> </ul>
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# PRIOR LAKE – SPRING LAKE

## WATERSHED DISTRICT

### Operations Update

PROGRAM	LAST MONTH'S STAFF ACTIVITIES	NEXT STEPS
	<ul style="list-style-type: none"> <li>○ <b>Carp seine</b> (641 impressions, 23 engagements)</li> <li>○ <b>Water conservation projects in MN</b> (522 impressions, 13 engagements)</li> <li>○ <b>Shovel, scatter, sweep</b> (516 impressions, 12 post engagements)</li> <li>○ <b>Trivia-Jeffers' 70 ft deep</b> (318 impressions and 3 engagements)</li> </ul>	
<b>Cost Share Program</b> <i>Land Mgmt (Class 611)</i> <b>Project Lead: Diane</b>	<ul style="list-style-type: none"> <li>• Docket reviewed at the March meeting</li> <li>• SWCD provided an update on 2017 activities at the March meeting</li> </ul>	
<b>Aquatic Vegetation Management and Surveys</b> <i>(Class 626 and 637)</i> <b>Project Lead: Jaime</b>	<ul style="list-style-type: none"> <li>• N/A</li> </ul>	<ul style="list-style-type: none"> <li>• Reports and Presentation from Blue Water Science in March.</li> <li>• Apply for CLP treatment permits.</li> </ul>
<b>Planning (Class 626) and Admin (Class 405)</b> <b>Project Lead: Diane</b>	<ul style="list-style-type: none"> <li>• Weekly Staff Meetings.</li> <li>• Weekly One2One meetings with each staff member.</li> <li>• Bi-monthly meetings with Chair and Board.</li> <li>• Prior Lake Coordination Monthly Mtg.</li> <li>• Diane met with Scott County reps. to discuss 1W1P pilot program strategy for the 2<sup>nd</sup> time</li> </ul>	<ul style="list-style-type: none"> <li>• Weekly Staff Meetings.</li> <li>• One2One meetings with each staff member.</li> <li>• Bi-monthly meetings with Chair and Board.</li> <li>• Prior Lake Coordination Monthly Mtg.</li> <li>• Continue working on 1W1P strategy with reps.</li> </ul>

# PRIOR LAKE – SPRING LAKE

## WATERSHED DISTRICT

### Outlet Structure and Channel

ACTIVITY	LAST MONTH'S STAFF ACTIVITIES	NEXT STEPS
<b>Prior Lake Outlet Channel</b> <i>Project Lead: Jaime</i>	<ul style="list-style-type: none"> <li>Began work grouting and sealing Outlet Pipe connections.</li> <li>Outlet channel inspections.</li> </ul>	<ul style="list-style-type: none"> <li>Weekly channel inspections.</li> <li>Repair boat launch gravel once erosion is taken care of up the hill.</li> <li>Finish grouting the outlet pipe.</li> <li>Televis the pipe after grouting.</li> <li>Annual Report.</li> </ul>
<b>Channel Bank Erosion (FEMA)</b> <i>Project Lead: Diane</i>	<ul style="list-style-type: none"> <li>Contacted landowners who haven't responded re. a Temporary Construction Easement.</li> <li>ACOE's permit was received.</li> <li>Lowest Bid for the Bank Erosion work was G.F. Jedlicki, Inc. for \$489,015.</li> </ul>	<ul style="list-style-type: none"> <li>Continue to contact landowners to obtain temporary construction easements.</li> <li>Waiting for final FEMA okay</li> </ul>
<b>JPA/MOA &amp; TAC Meetings &amp; Admin</b> <i>Project Lead: Diane &amp; Jaime</i>	<ul style="list-style-type: none"> <li>Fist MOA Revision meeting on February 15</li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>
<b>Invasive Species Removal</b> <i>Project Lead: Jaime</i>	<ul style="list-style-type: none"> <li>Met with AES and EOR to create 2018 management plan</li> </ul>	
<b>MS4 Permit</b> <i>Project Lead: Diane</i>		<ul style="list-style-type: none"> <li>MS4 procedures will be finalized with assistance from WSB.</li> <li>Apply for new permit by June 30.</li> </ul>
<b>PLOC Easements</b> <i>Project Lead: Diane</i>		<ul style="list-style-type: none"> <li>Continue negotiations with Beckler and Muhlenhardt</li> </ul>

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## MEMORANDUM

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**TO:** PLSLWD BOARD OF MANAGERS  
**FROM:** DIANE LYNCH, DISTRICT ADMINISTRATOR  
**SUBJECT:** SEDIMENTATION AT SPRING LAKE WEIR  
**DATE:** MARCH 7, 2018

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### BACKGROUND

A local lifelong resident on Spring Lake contacted the District to discuss a concern about the accumulation of sediment at the Spring Lake weir. He is concerned that the amount of sedimentation has resulted in raising the lake level and that silting has restricted flow leaving the lake.

Staff contacted the District Engineer to provide guidance on this issue. Carl Almer, District Engineer, made the following comments:

1. The sand bar is transient and will rise and flow with lake levels
2. There may be vegetation and tree roots that are preventing some of the sediment from moving down the creek
3. This situation is a minimal risk condition

Mr. Almer indicated that a preliminary estimate for conducting a survey, modeling and completing a technical memo would be approximately \$5300. This work would outline the extent of the issue but does not address the actual cost of removing the sediment.

### STAFF RECOMMENDATION

Since the District is not the owner of the weir, it is not responsible for researching the issue nor removing the sediment. The weir was built in 1930 by Scott County (see attached resolution). Staff contacted the Area Hydrologist and was told that the DNR does not enforce maintenance of outlets unless they are posing a public safety concern.

Staff recommends the Board of Manager instruct them to advise the homeowner to contact Scott County and request County staff review.

PRIOR LAKE - SPRING LAKE  
WATERSHED DISTRICT

APPLICATION FOR CITIZENS ADVISORY COMMITTEE  
(You must live in the Watershed District)

Name: *MARIANNE BREITBACH*

Address: *14890 PIXIE POINT CIRCLE SE*

Phone: *952-440-7561* CELL: *651-699-8005*

E-mail: *jmbreit@gmail.com*

Occupation: *ENGINEERING TECHNICIAN, CIVIL ENGINEERING*

Employer: *RETIRED / FORMER EMPLOYER: BONESTROO & ASSOC. 30 YRS*

Employer's Address: *NOW STANTEC*

How long have you lived in Scott County? *25 YRS*

Please state briefly why you are interested in serving on the Citizens Advisory Committee: *SERVING AS A CAC MEMBER WILL ALLOW ME TO FURTHER SUPPORT THE GOALS OF THE PLSLWD.*

Do you have any special interest, education or training which you feel the Committee could use? *MY 2 TERMS AS A PAST BOARD MEMBER, ATTENDED SEVERAL SEMINARS, MY 30 YRS EXPERIENCE AS AN ENGINEER TECH. 2 TERMS ON THE FORMER LAKE ADVISORY COMMITTEE*

What issues do you think the Citizens Advisory Committee should address? *TO WORK WITH ADVISMENT FROM THE BOARD AND AS A GROUP, TO ESTABLISH A DIRECTION OF WATER QUALITY AND QUANTITY.*

Conflict of interest is defined as the participation in any activity, recommended action or decision from which the individual has or could have the potential to receive personal gain, whether it be direct or indirect. In accordance with this definition, do you have any legal or equitable interest in any business, however organized, which could be construed as a conflict of interest?

Yes

☒ No

If yes, please provide details:



PRIOR LAKE - SPRING LAKE  
WATERSHED DISTRICT

Are you related to any Watershed District Board Member or to any member on the Citizens Advisory Committee? If so, give the name and relationship.

No

Other qualifications, experience, information or comments you would like to submit.

I WOULD LIKE TO PARTICIPATE AS A MEMBER OF THE CAC  
AND HELP GUIDE THE FUTURE OF THE PLSLWD

PERSONS WITH DISABILITIES ARE ENCOURAGED TO APPLY.

**RETURN THIS COMPLETE APPLICATION FORM TO:**

Diane Lynch  
Prior Lake-Spring Lake Watershed District  
4646 Dakota Street SE  
Prior Lake, MN 55372  
[dlynch@plslwd.org](mailto:dlynch@plslwd.org)  
952-440-0067

This application will be kept on file for 12 months

# PRIOR LAKE – SPRING LAKE

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## W A T E R S H E D   D I S T R I C T

### 4.9 Acceptance of Contract and Bid for 2018 Spring Lake Alum Treatment

The bids are due on Friday, March 9, so this information will be available at the meeting.

PRIOR LAKE - SPRING LAKE  
WATERSHED DISTRICT

**Resolution 18-325**  
**Minor Plan Amendment for Alum Treatment of Upper Prior Lake**

A Resolution Approving the Initialization of a Minor Plan Amendment for Alum Treatment of Upper Prior Lake

WHEREAS, the Prior Lake-Spring Lake Watershed District (PLSLWD) applied for a Clean Water Fund grant for an Upper Prior Alum Treatment, and

WHEREAS, the PLSLWD's application was favorably reviewed because it had completed a Feasibility Study and was well-written, and

WHEREAS, grant points were lost because an alum treatment for Upper Prior Lake was not listed in the PLSLWD's 2013 Water Resources Management Plan, and

WHEREAS, the next Clean Water Fund grant cycle will be in Fall, 2018, and

WHEREAS, the Board of Soil and Water Resources Board Conservationist advised the PLSLWD that a Minor Plan Amendment to the 2013 Water Resources Management Plan could be completed prior to the next Clean Water Funding grant cycle

NOW, THEREFORE, BE IT RESOLVED that the Prior Lake-Spring Lake Watershed District Board of Managers approves funding a Minor Plan Amendment for approximately \$5,000 in consultant fees and

BE IT FURTHER RESOLVED that the Prior Lake-Spring Lake Watershed District Board of Managers authorizes initializing the Minor Plan Amendment process immediately

The question was on the adoption of the Resolution and there were \_\_ yeas and \_\_ nays as follows:

Yea	Nay	Absent
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BREITBACH		
CORRIGAN		
HENNES		
SPITZMUELLER		
HOWLEY		

Upon vote, the chair declared the resolution adopted.

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Charlie Howley, Secretary

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Dated

# PRIOR LAKE – SPRING LAKE

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## WATERSHED DISTRICT

### REGULAR MEETING MINUTES

*Tuesday, February 13, 2018*

*Prior Lake City Hall*

*6:00 PM*

Members Present: Curt Hennes, Charlie Howley, Marianne Breitbach & Woody Spitzmueller

Members Absent: Fred Corrigan

Staff & Consultants Present: Diane Lynch, District Administrator  
Maggie Karschnia, Water Resources Project Manager  
Jaime Rockney, Water Resource Specialist  
Amy Tucci, Administrative Assistant  
Carl Almer, EOR, District Engineer

Others Present: Steve Pany, CAC  
Jim Fitzsimmons, SWDC

- **CALL TO ORDER/PLEDGE OF ALLEGIANCE:** Meeting called to order by Vice President Breitbach at 6:02 PM.
- **2.0 PUBLIC COMMENT:** Steve Pany, Citizens Advisory Committee, made a statement about what the CAC is about and encouraging others to join. He also recognized the District for the carp removal on Prior Lake.
- **3.0 APPROVAL OF AGENDA:** Manager Spitzmueller moved to approve the agenda. Second by Manager Howley. All ayes. Motion passed 4-0.

### OTHER OLD/NEW BUSINESS

- **4.1 MANAGER PRESENTATIONS:** Managers presented on liaison meetings they have attended and/or other events in the District they have participated in.
- **4.2 PROGRAMS AND PROJECTS UPDATE:** Staff gave updates on ongoing District projects and activities.

- **4.3 CITY/PLSLWD SAND POINT BEACH PARK AGREEMENT**

Manager Spitzmueller moved to approve the agreement. Second by Manager Howley. All ayes. Motion passed 4-0.

- **4.4 2018 EDUCATION & OUTREACH PLAN**

Manager Spitzmueller moved to approve the Education & Outreach Plan as amended in the workshop. Second by Manager Hennes. All ayes. Motion passed 4-0.

- **4.5 RESILIENT COMMUNITIES LETTER OF SUPPORT**

Manager Hennes moved to approve the Letter of Support for this program. Second by Manager Spitzmueller. All ayes. Motion passed 4-0.

- **5.0 APPROVAL OF CONSENT AGENDA**

Manager Spitzmueller voted to approve the consent agenda. Second by Manager Howley. All ayes. Motion passed 4-0.

- **6.1 CLAIMS LIST**

Manager Howley moved to approve the claims list after moving the BKJ Land Company invoices from Watershed District Projects to the Outlet Channel on the claims list. Second by Manager Hennes. All ayes. Motion passed 4-0.

- **6.2 & 6.3 CASH & INVESTMENTS/FINANCIAL REPORT**

Woody Spitzmueller gave an overview of the District's cash position & spending.

- **6.4 TRANSFER OF FUNDS TO THE JPA/MOA**

Manager Hennes moved to approve the transfer of funds as defined by the District Accountant, Chris Schadow, from the Capital Projects fund to the JPA/MOA group of funds. Second by Manager Spitzmueller. All ayes. Motion passed 4-0.

- **6.5 PERMIT FEE SCHEDULE**

Maggie Karschnia went thru the Permit Fee Schedule, giving a background and potential next steps for possible updates. Discussion only. No vote.

- **7.0 UPCOMING MEETINGS/EVENTS**

- CAC Meeting, Thursday, February 22 from 6:30-8:00 PM, Prior Lake City Hall

## **ADJOURNMENT**

Manager Hennes moved to adjourn meeting. Second by Manager Spitzmueller. All ayes. Motion passed 4-0. Meeting adjourned.

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Charlie Howley, Secretary

# PRIOR LAKE – SPRING LAKE

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## WATERSHED DISTRICT

### **WORKSHOP MEETING MINUTES**

*Tuesday, February 13, 2018*

*Prior Lake City Hall*

Members Present: Curt Hennes, Woody Spitzmueller, Charlie Howley, Fred Corrigan & Marianne Breitbach

Staff Present: Diane Lynch and Kathryn Keller-Miller

Others Present: Jim Fitzsimmons, SWCD

The meeting was called to order by Marianne Breitbach, VP, at 5:00 p.m.

#### **Education and Outreach Plan**

The meeting adjourned at 5:55 p.m.

Kathryn Keller-Miller reviewed the draft 2018 Education and Outreach Plan.

#### **District Printing**

Diane Lynch reviewed the status of a District leased printer. The City estimated it would charge the District \$2500 plus printing cartridges, with a possible increase due to printing repairs. Staff met with Metro Sales and will be able to lease a demo printer, the same model as the City's for \$103/month, which includes printing cartridges and maintenance.

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Charlie Howley, Secretary



# PRIOR LAKE – SPRING LAKE WATERSHED DISTRICT

## Prior Lake-Spring Lake Watershed District

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### Citizen Advisory Committee

Thursday February 22, 2018

6:30 p.m.

Prior Lake City Hall

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Our mission is to manage and preserve the water resources of the Prior Lake-Spring Lake Watershed District to the best of our ability using input from our communities, sound engineering practices, and our ability to efficiently fund beneficial projects which transcend political jurisdictions.

The Prior Lake-Spring Lake Watershed District Citizen Advisory Committee (CAC) consists of residents who provide input and recommendations to the Board on projects, reports, prioritization and act as the primary interface for the Board to address the current issues of concern of the local citizens

**CAC Members present:** Steve Pany, Jodi See, Jim Weninger, Adam Fitzpatrick and Kim Silvernagel

**Others present:** Diane Lynch, District Administrator

- I. Call meeting to order 6:35pm – Chair Steve Pany
- II. Agenda-additions-Approval of Agenda & October meeting minutes. Approved minutes. Approved agenda.
- III. Watershed District Projects update / Discussion topics:
  1. Citizen engagement: Using less salt. Adam: FWS' Road Salt Symposium
    - a. Adam attended the 17<sup>th</sup> annual conference.
    - b. Some of the symposium content was not in-line with what CAC promotes.
    - c. Discussion around salt use and what is the balance of application vs. pollution.
    - d. Learning how to salt with the proper amounts and technique.
  2. Removing debris / objects from lake bottom with Lake Assns. Dive the lake?
    - a. Per Woody, Charlie's is not interested, Knotty Oar lacks parking.
    - b. These dives would help the bottom of the lake and seining.
    - c. Maybe the CAC should consider talking to the 2 lake associations.
  3. Outlet pipe condition / repairs. Jaime spoke about this at last Managers' meeting
    - a. Pipe is towards the end of its life expectancy and would be very expensive to replace.
    - b. Company was hired and because it is having staffing issues, it pays the Watershed for each day it has exceed the deadline.
    - c. Diane has the structure/outlet report if anyone is interested.
  4. Upper Prior Lake carp. Next seining? Carp contest in 2018?
    - a. Carp currently in the rocky area by Knotty Oar.
    - b. The seiner is ready to go again.
    - c. Knotty Oar will fully take over the Carp Tournament.
    - d. Carp on Spring Lake are not being monitored this winter since 25% or less are present.
    - e. Barriers are still planned for Spring and Prior.
  5. Signage Spring Lake Project, WD boundaries.
    - a. Talked about at the Manager's meeting
    - b. Marianne will research signage of other watershed districts
  6. Spring Lake Alum update, application schedule.
    - a. Checklist of things to do first is being reviewed.
    - b. Working with Barr; will need to do an RFP in the spring.

- c. Need to have the access complete or nearly complete.
- 7. Water levels / low flow gate.
  - a. There is a new procedure which allows the District to open the gate without the DNR's permission, as long as a protocol is followed.
- 8. Spring Lake outlet levels. Diane will get back to the CAC on this.
- 9. Resilient Communities Project details. Postponed to next month.
- 10. Sand Point Beach Park improvement project with City of PL, details / timeline.
  - a. Part of a big project – more information on the website.
- 11. An idea is to make theWD more visible at events with volunteers wearing a blue jacket with the District's watershed map on back.
- 12. Funding approved for 2018 Water Quality Improvement Award of \$3000.
- 13. Robotics teams – one that focuses on environmental issues...interested in funding raising to provide rain barrels to give away at lake cleanup efforts.
  - a. Steve will contact someone he knows on the robotics teams.
- 14. Congrats to Paul K for his recent award as Outstanding Conservationist by Scott County.
- 15. CWCU-The Clean-up will be on 4/22 with a backup date of 4/29. No location yet. This time we want to do hats, What should they say on them?
- 16. Next meeting March 29, 2018.
- IV. Comments, suggestions, questions.
- V. Adjourn 7:25pm

**3/13/2018**  
**Prior Lake Spring Lake Watershed District**  
**Claims list for Invoice Payments due for the prior month**

Managers will consider approving this claims list - Staff payroll and Manager per diems have already been paid via ADP.

After the managers vote, two Managers will sign checks within three days of the meeting for approve claims.

Then, staff will US mail checks (written on the Klein Bank) to the claims list parties.

Staff will request that all vendors provide information on their invoices to fit into the categories below

UPDATED 3/8/2018

Vendor	Invoice	Description	Amount
<b><u>1. Watershed District Projects (excluding staff payroll)</u></b>			
C Map	2018021514	Annual Biobase Subscription	2,500.00
EOR	00758-0017	District Monitoring Program	242.00
EOR	00758-0017	General Engineering	345.50
EOR	00758-0015	Permitting	533.00
EOR	00758-0017	Storage & Infiltration	82.84
EOR	00758-0018	District Plan Update	1,025.00
EOR	00758-0018	Public Infrastructure	41.00
EOR	00758-0018	LGU Plan Review	761.50
EOR	00758-0018	Rule Revisions	410.00
Gopher State One Call	8021281	Tickets	1.35
MN Dept of Public Safety	700720020	Hazardous Chemical Inventory Fee	25.00
Smith Partners	39511	Rules	305.83
WSB	003032-010 28	Common Carp Project	9,595.00
WSB	011235-000 2	FeCl Weir Fish Barrier	417.00
Xcel Energy	582222330	February	12.90
			<b>16,297.92</b>
<b><u>2. Outlet Channel - JPA/MOA (excluding staff payroll)</u></b>			
EOR	00758-0113	PLOC Vegetation Maintenance	484.82
EOR	00758-0113	MOA Alternatives Assessment	2,419.42
EOR	00758-0102	FEMA Segment 5 Sediment Removal	1,769.72
EOR	00758-0038	PLOC Engineering Assistance	3,861.00
Messerli & Schadow		February	786.25
Smith Partners	39512	PLOC	1,175.89
			<b>10,497.10</b>
<b><u>3. Payroll, Office and Overhead</u></b>			
ADP Manager Per Diems		Already Paid	694.21
ADP Staff Payroll		Already Paid	16,148.80
ADP Taxes & Benefits		Already Paid	10,940.58
Connexus Credit Union		Health Savings Account	115.38
H SA Bank		Health Savings Account	115.38
Iceberg Web Design	23028	Website Hosting & HTTP Conversion	279.99
Messerli & Schadow		February	2,766.00
Metro Sales	1023282	Contract Invoice	48.32
Patrick Ermer		Onsite Computer Support	350.00
Smith Partners	39510	General Admin & Legal Service	262.41
			<b>31,721.07</b>
<b><u>4. Debt repayment and Interest</u></b>			
Northland Trust Services		Principal	
Northland Trust Services		Interest	
			<b>0.00</b>

**TOTAL**

**58,516.09**

X \_\_\_\_\_

X \_\_\_\_\_



## March 2018 PLSLWD Treasurers Report

Balances as of 03/01/2018

### Cash and Investments

<b>Northland Securities - Total Funds Deposited</b>	<b>\$</b>	<b>858,257</b>
<b>Cash</b>	<b>\$</b>	<b>33,585</b>
<b>Fixed Income - Securities</b>	<b>\$</b>	<b>824,672</b>
<b>Klein Bank (PLSB) - Total funds deposited</b>	<b>\$</b>	<b>602,921</b>
<b>Checking</b>	<b>\$</b>	<b>602,921</b>
<b>Savings - Account Closed to avoid Charges</b>		
<b>Total District Funds - All Sources</b>	<b>\$</b>	<b>1,461,178</b>
<b>Current KleinBank Checking Account Activity</b>		
<b>Start Balance:</b>	<b>\$</b>	<b>765,501</b>
<b>Deposits:</b>	<b>\$</b>	<b>74,364</b>
<b>Withdrawals:</b>	<b>\$</b>	<b>236,944</b>
<b>End Balance:</b>	<b>\$</b>	<b>602,921</b>

<b>Restricted Funds: Unspent Grants, Permit Deposits</b>	<b>\$</b>	<b>84,000</b>
<b>JPA/MOA Contingency Reserve</b>	<b>\$</b>	<b>300,000</b>
<b>JPA/MOA O&amp;M Funds</b>	<b>\$</b>	<b>350,000</b>
<b>District Reserve</b>	<b>\$</b>	<b>100,000</b>
<b>Total District Obligations: Reserved Funds Total</b>	<b>\$</b>	<b>834,000</b>

### Year to date Expense Report:

<b>Annual District Budget:</b>	<b>\$</b>	<b>2,029,632</b>
<b>YTD District Expenses:</b>	<b>\$</b>	<b>273,993</b>
<b>YTD Percent Budget Spent:</b>		<b>13.50%</b>
<b>Annual Budget Incl JPA/MOA (Less FEMA):</b>	<b>\$</b>	<b>2,467,382</b>
<b>Annual Budget for JPA/MOA:</b>	<b>\$</b>	<b>1,052,750</b>
<b>YTD JPA/MOA Expenses :</b>	<b>\$</b>	<b>111,048</b>
<b>YTD JPA/MOA less FEMA grants</b>	<b>\$</b>	<b>690,000</b>
<b>YTD Percent Budget Spent JPA/MOA:</b>		<b>10.55%</b>
<b>YTD Total Organization Expense</b>	<b>\$</b>	<b>385,041</b>
<b>YTD Percent Spend Total Budget</b>		<b>15.61%</b>
<b>NOTE: Budget includes FEMA Grants Budgeted at \$723K</b>		

- 1. 2017 Levy \$1,310K; Paid \$1,292,504 (\$17,490 short)**
- 2. Cty January makeup payment: \$10,305**
- 3. 2018 Levy Certified: \$1,794,632**
- 4. Claims List: ??**
- 5. Welcome Mike Myser as new board mgr!**

PRIOR LAKE SPRING LAKE WATERSHED DISTRICT

Financial Report - Cash Basis

January 1, 2018 Through February 28, 2018

	405 General	509 Projects	Debt Service	Held for Future Use	Annual 2018 Budget	Budget Adj	Monthly Paid Expenses	YTD Paid Expenses	Percent Spent
Administrative Salaries and Benefits	120,000				120,000		5,436	6,718	
703 · Telephone & Internet	14,000				14,000		546	546	
706 · Office Supplies	7,900				7,900		388	396	
709 · Insurance and Bonds	7,000				7,000		-	-	
670 · Accounting	23,000				23,000		1,782	2,121	
671 · Audit	7,875				7,875		190	190	
903 · Fees	700				700		-	100	
660 · Legal (not for projects)	2,000				2,000		327	327	
<b>Administration</b>	<b>182,475</b>				<b>182,475</b>	-	<b>8,670</b>	<b>10,399</b>	5.70%
<b>Program Salaries and Benefits (not JPA/MOA)</b>		<b>278,336</b>			<b>278,336</b>		22,794	44,489	15.98%
Public Infrastructure Partnership Projects		55,000			55,000		-		
Storage & Infiltration Projects		125,000			125,000		3,191	3,191	
<b>550 Capital Projects</b>	-	<b>180,000</b>	-	-	<b>180,000</b>	-	3,191	3,191	1.77%
Farmer-led Council		50,000			50,000		-		
Identify and Mitigate Channel Erosion		5,000			5,000		-		
Cost-Share Incentives		58,000			58,000		-		
Highway 13 Wetland, FeCl system & Desilt, O&M		57,800			57,800		64	64	
Fish Point Park Retrofits		3,500			3,500		-		
FeCl Backwater Retrofit		-			0		-		
Aquatic Vegetation Mgmt		13,000			13,000		-		
Fish Management, Rough Fish Removal		27,000			27,000		7	7	
Spring Lake Parcel		2,000			2,000		-		
Raymond Park		3,500			3,500		-		
Alum Internal Loading Reserve		291,000		150,000	441,000		-	150,000	
County Rd 12/17 wetland restoration		10,125			10,125		-		
<b>611 Operations &amp; Maintenance</b>	-	<b>520,925</b>	-	150,000	<b>670,925</b>	-	71	150,071	22.37%
Engineering not for programs		10,000			10,000		205	205	
Planning and Program Development		20,000			20,000		7,735	7,949	
Spring/Upper Prior Lake TMDL Implementation Plan		1,000			1,000		-		
LGU Plan Review		9,000			9,000		-		
District Plan Update		105,700			105,700		2,132	2,269	
<b>626 Planning</b>	-	<b>145,700</b>	-	-	<b>145,700</b>	-	10,072	10,423	7.15%
District Monitoring Program		87,100			87,100		500	500	
Automated Vegetation Monitoring		3,500			3,500		-		
Aquatic Vegetation Surveys		18,000			18,000		-		
District-wide Hydraulic & Hydrologic model		9,500			9,500		-		
Wetland Restoration and Wetland Bank		9,675			9,675		-		
<b>637 Monitoring &amp; Research</b>	-	<b>127,775</b>	-	-	<b>127,775</b>	-	500	500	0.39%
Permitting and Compliance		10,250			10,250		197	197	
Permitting and Compliance income		(1,000)			(1,000)		-		
Non-project Reg. Reporting, Rules & Stand. Rev.		3,000			3,000		-		
BMP and easement inventory & inspections		15,550			15,550		-		
BMP and easement amendment fees income		(1,000)			(1,000)		-		
<b>648 Regulation</b>	-	<b>26,800</b>	-	-	<b>26,800</b>	-	197	197	0.73%
MS4 Education program		12,000			12,000		-		
Prior Lake-Savage Schools partnerships		250			250		-		
CAC		3,600			3,600		-		
Signs for projects, software for location & contacts		9,500			9,500		-		
<b>652 Education &amp; Outreach</b>	-	<b>25,350</b>	-	-	<b>25,350</b>	-	-	-	0.00%
Lower Prior Retrofit BMP Study/Proj (\$83,000 is grant)		135,000			135,000		7,929	7,929	
Carp Management/Removal		42,000			42,000		-		
<b>Capital Projects--Grants</b>	-	<b>177,000</b>	-	-	<b>177,000</b>	-	7,929	7,929	4.48%
<b>PLOC Restoration, Maintenance &amp; Monitoring</b>		<b>46,796</b>			<b>46,796</b>		46,796	46,796	100.00%
<b>Bond Payments</b>			<b>168,475</b>		<b>168,475</b>		-	-	0.00%
<b>Subtotal</b>	<b>182,475</b>	<b>1,528,682</b>	<b>168,475</b>	<b>150,000</b>	<b>2,029,632</b>	-	<b>100,218</b>	<b>273,993</b>	13.50%
<b>Contingency</b>		<b>75,000</b>			<b>75,000</b>		-	-	0.00%
<b>Budget excluding JPA/MOA expenses</b>	<b>182,475</b>	<b>1,603,682</b>	<b>168,475</b>	<b>150,000</b>	<b>2,104,632</b>	-	<b>100,218</b>	<b>273,993</b>	13.02%
JPA/MOA Expenses					<b>1,052,750</b>		108,126	111,048	10.55%
Less budgeted FEMA grant					<b>(690,000)</b>				
<b>Total organization budget</b>					<b>2,467,382</b>	-	<b>208,344</b>	<b>385,041</b>	15.61%

No assurance is provided on this statement.

This statement omits required disclosures.

This statement is prepared on the cash basis of accounting.