



# Pioneer-Sarah Creek Watershed Management Commission

ADMINISTRATIVE OFFICE: 3235 Fernbrook Lane N • Plymouth, MN 55447  
763.553.1144 • Fax: 763.553.9326

March 14, 2024

Representatives  
Pioneer-Sarah Creek Watershed  
Management Commission  
Hennepin County, Minnesota

*The meeting packet for this meeting  
may be found on the Commission's website:  
[http://www.pioneersarahcreek.org/minutes--  
meeting-packets.html](http://www.pioneersarahcreek.org/minutes--meeting-packets.html)*

Dear Representatives:

A regular meeting of the Pioneer-Sarah Creek Watershed Management Commission will be held Thursday, March 21, 2024, at 6:00 p.m. This will be an **in-person** meeting held at Maple Plain City Hall, 5050 Independence Street, Maple Plain, MN.

A light supper will be served. **RSVPs are requested** so that the appropriate amount of food is available. At the time of your response, please let us know if you will be eating supper with us.

In order to ensure a quorum for the regular meeting, please telephone 763.553.1144 or email me at [amy@jass.biz](mailto:amy@jass.biz) to indicate if you or your Alternate will be attending. It is your responsibility to ascertain that your community will be represented at the meeting

Regards,

Amy A. Juntunen, Administrator  
AAJ:tim

- |                                |                                  |      |
|--------------------------------|----------------------------------|------|
| cc: Alternates                 | Andrew Vistad, Hakanson-Anderson |      |
| Roz Davis, Kris Guentzel, HCEE | City Clerks                      | MPCA |
| Brian Vlach, TRPD              | Met Council                      | BWSR |
| Joel Jamnik, Attorney          | official newspapers              | DNR  |

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ADMINISTRATIVE OFFICE: 3235 Fernbrook Lane N • Plymouth, MN 55447  
763.553.1144 • Fax: 763.553.9326 • judie@jass.biz • www.pioneersarahcreek.org

## REGULAR MEETING AGENDA

March 21, 2024 • 6:00 p.m.

*The meeting packet can be found on the Commission's website:*

<http://pioneersarahcreek.org/pages/Meetings/>

1. Call to Order.
  - a. Approve Agenda.\*
2. Consent Agenda.
  - a. February meeting minutes.\*
  - b. March Claims/Treasurer's Report.\*
3. Open forum.
4. Action Items.
  - a. 2024-001 5370 US Hwy 12 Site Plan, Maple Plain.\*
  - b. GS68 Pay Application #1.\*
  - c. Adelman CIP Application.\*
  - d. Non-Waiver of Tort Liability.\*
5. Old Business.
6. New Business.
  - a. 2023 Work Plan in Review.\*
  - b. 2024 Projected Work Plan.\*
7. Education.
8. Staff Reports.
  - a. Engineer's Report.\*
  - b. HCEE Report.\*
  - c. TRPD Report.
9. Commissioner Reports.
10. Other Business.
11. Adjournment. (Next scheduled meeting: April 18, 2024).

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**REGULAR MEETING**  
**Minutes**  
**February 15, 2024**

**1. CALL TO ORDER.** A regular meeting of the Pioneer-Sarah Creek Watershed Management Commission was called to order by Chair Joe Baker at 6:02 p.m., Thursday, February 15, 2024, at Maple Plain City Hall, 5050 Independence Street, Maple Plain, MN.

Present: Mark Workcuff, Greenfield; Joe Baker, Independence; Brenda Daniels, Loretto; Andrew Burak, Maple Plain; Pat Wulff, Medina; Peter Vickery, Minnetrista; Kris Guentzel and Roz Davis, Hennepin County Environment and Energy (HCEE); Andrew Vistad, Hakanson-Anderson; Brian Vlach, Three Rivers Park District (TRPD); and Amy Juntunen, JASS.

Also Present: Scott Johnson, Medina.

**2. AGENDA.** Motion by Vickery, second by Wulff to approve the agenda\* as presented. *Motion carried unanimously.*

**3. CONSENT AGENDA.** Motion by Burak, second by Workcuff to approve the Consent Agenda as presented. *Motion carried unanimously.*

a. **January 18, 2024 Regular Meeting Minutes.\***

b. **February Treasurer's Report/Monthly Claims \*** totaling \$3,621.94.

**4. OPEN FORUM.**

**5. ACTION ITEMS.**

a. **2024-001 The Rock, Greenfield.\*** This project will construct a non-profit venue for youth activities. The site is currently four acres of grass meadow. After construction, 1.35 acres of this site will be impervious. Stormwater will be routed to one wet sedimentation basin with an iron-enhanced sand filter and two biofiltration basins. This project will result in about 750 square feet of wetland impacts to allow access to the site. Staff reviewed the project for compliance with Commission rules D, E and I. After review, staff recommends approval contingent upon recording of an O&M plan for stormwater facilities on site and approval of the buffer establishment plan. Motion by Workcuff, second by Vickery to approve project 2024-001 with the two contingencies listed and correct the WCA LGU from the Commission to the city of Greenfield. *Motion carried unanimously.*

b. **Officer Elections.\*** Current officers in attendance volunteered to continue in their current positions. Vickery volunteered to serve as Secretary. Motion by Vicerky, second by Wulff to approve the 2024 officers as follows: Baker, Chair; Workcuff, Vice Chair; Burak, Treasurer; and Vickery, Secretary. *Motion carried unanimously.*

c. **Annual Appointments.\*** Motion by Burak, second by Baker to appoint the following for 2024: Official Newspaper, *Crow River News*; Official Depositories, US Bank and the 4M fund; Deputy Treasurer, Amy Juntunen; and Auditor, Johnson & Co., Ltd. *Motion carried, Vickery abstaining from voting on depositories.*

d. Motion by Workcuff, second by Baker to not waive the **monetary limits on municipal tort liability coverage**\*. *Motion carried unanimously.*

**6. OLD BUSINESS.**

**7. NEW BUSINESS.**

a. **2023 Work Plan in Review.\*** Juntunen provided the 2023 Work Plan in Review for review and comment by Commissioners and Staff. This item will be incorporated into the 2023 Annual Report which must be approved at the April meeting and, per statute, submitted to the Board of Soil and Water Resources (BWSR) by April 30, 2024.

b. **2024 Work Plan,\*** Juntunen provided the 2024 Work Plan for review and comment by Commissioners and Staff. This item will also be incorporated into the 2023 Annual Report. Juntunen requested that comments be sent prior to March meeting for incorporation and review in March with the draft Annual Report.

**8. EDUCATION.**

**9. STAFF REPORTS.**

a. **Engineer's Report.\*** Vistad will be joining the Adelmans and their home builder on-site at Bridgevine on February 27 for their pre-construction meeting. This will be a great opportunity to discuss the Commission's questions regarding the irrigation pipes and potential pumping from the lake, as well as inform the owner about water appropriations requirements. Wulff requested a copy of the water appropriation permit application. Vistad was asked to write a short newsletter article regarding water appropriation permit requirements for member cities.

The GS68 gully stabilization project is 90% complete. The final plantings will not be completed until spring. Vistad presented before and after photos and described the project for Commissioners. The contractor expects the project to finish right on budget. Baker asked if the vendor could put down some protection on the exposed tree roots the equipment is going over to prevent damaging the trees in the area.

[Daniels arrived 7:00 p.m.]

b. **HCEE Report.\*** County staff completed the progress report for the WBIF grants and will provide that report as part of the March meeting packet. The FY21 WBIF grant was extended and will expire on December 31, 2024. The priority is to utilize those funds prior to the grant expiration. Staff propose an amendment to the grant workplan to combine the Spurzem Creek and Lake Independence implementation funds within the grant since it has been difficult to find ready projects within the Spurzem Creek chain and Spurzem Creek is part of the larger Lake Independence watershed. This amendment will be brought before the Commission for action in March.

Davis gave a presentation on Hennepin County's role as a Soil and Water Conservation District, SWAs completed, and current programs and grants. In 2023 the County dedicated staff time to outreach including soil health implementations and BMPs 1 and 2 identified in the Dance Hall Creek SWA.

Goals for 2024 include continued outreach regarding the Dance Hall Creek project to obtain landowner approval for the survey and completion of the 30% design. County staff will also focus on identifying other opportunities in the North Fork Crow watershed to supplement this project if it becomes infeasible. County staff will also continue to pursue the Vinland BMP implementation, the Adelman/Kingston shoreline restorations, and completing the Bridgevine/Bohland ravine restoration and the Spurzem Creek SWA in the Lake Independence watershed; completing the Shriner's rotational grazing project and wetland sediment cores for the Lake Rebecca watershed and identifying new BMP implementation projects for the upcoming FY25 WBIF grant of \$240,415.

Davis provided more information on the County open house in 2023, expectations to host another open house as well as a field day in 2024, and the County's soil health program.

c. **TRPD Report.** Baker asked how the warm winter is likely to affect **lake vegetation** in 2024. It is likely that vegetation management will be more challenging due to constant sunlight which would allow CLPW to continue growing throughout the winter season. Germination is likely to start earlier than usual which will necessitate treatments to begin early as well. One likely opportunity is that it will be harder to miss areas of growth since usually plants haven't begun growing right after ice-out. There may be higher algae blooms throughout the year as well.

The **Whaletail alum treatment report\*** was included in the meeting packet. After treatment, TP concentration dropped significantly to where it meets standards, as well as standards for Chlorophyll a and water clarity for nearly the entire year. There was a small algal bloom at the end of the year. These results are good for the first treatment. This alum treatment grant expires on December 31, 2025. Instead of completing the second alum treatment in 2024, Vlach recommends waiting until 2025 to monitor water quality which will determine whether the alum dose should be adjusted.

The **Lake Rebecca Channel Stabilization** project has been delayed due to the warm weather because the equipment would damage the pasture area for project access. The bid packet for the project is complete and will be bid for construction in November-December 2024.

TRPD was not awarded a Conservation Partners Legacy grant for the **Kingswood Ravine** project and will continue to pursue other sources of funding.

## 10. COMMISSIONER REPORTS.

**Wulff** invited all Commissioners to the Lake Independence Citizen's Association (LICA) meeting on April 20 at Camp Iduhapi. The LICA ice party scheduled for this coming Saturday has been canceled due to lack of ice. LICA will host another trolley tour of projects in the area in September 2024 and plans to host an Octoberfest event on October 5, 2024, pending approval from the City of Medina.

**Baker** shared a new law passed by the DNR focused on keeping winter ice clean because so many ice fishers leave messes when ice houses come off the lake.

**Burak** inquired about enforcement regarding landowners depositing yard waste into a ditch/gully area. This drainageway eventually flows to Pioneer-Creek. Because it is a conveyance for stormwater, this falls to the MS4 city for enforcement.

**11. OTHER BUSINESS.**

The **next regular meeting** is scheduled for March 21, 2023, at Maple Plain City Hall.

**12. ADJOURNMENT.** There being no further business, motion by Workcuff, second by Burak to adjourn. The meeting was adjourned at 8:34 p.m.

Respectfully submitted,



Amy Juntunen  
Administrator  
AAJ:tim

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**Pioneer-Sarah Creek Watershed  
Cash Disbursements Journal  
For the Period From Mar 1, 2024 to Mar 31, 2024**

Filter Criteria includes: Report order is by Date. Report is printed in Detail Format.

<b>Date</b>	<b>Check #</b>	<b>Account ID</b>	<b>Line Description</b>	<b>Debit Amount</b>	<b>Credit Amount</b>
3/21/24		50100	23-07 CSAH 19 Rehabilitation	920.00	
		50100	24-01 The Rock	115.00	
		66002	Gulley Stabilization (N Fork Crow '21WBIF)	1,094.75	
		66002	Pond Excavation (N Fork Crow '21WBIF)	190.00	
		50100	General Engineering	661.25	
		10100	Hakanson Anderson Associates, Inc.		2,981.00
3/21/24		51100	Administration	1,717.18	
		51100	Meeting-related	1,120.42	
		51100	Bookkeeping	222.56	
		51100	Annual Report/Work Plan	685.50	
		51400	Website	68.75	
		10100	Judie Anderson's Secretarial Service		3,814.41
				<b>6,795.41</b>	<b>6,795.41</b>
		<b>Total</b>		<b>6,795.41</b>	<b>6,795.41</b>

# INVOICE SUMMARY FROM HAKANSON ANDERSON

PIONEER SARAH WATERSHED MANAGEMENT COMMISSION

INVOICES FOR JANUARY 2024

Project ID & Description	Invoice Number	Invoice Date	Amount
PSC222 2023-07 CSAH 19 REHABILITATION	52495	02/29/24	920.00
PSC223 2024-001 THE ROCK	52496	02/29/24	115.00
PSC401 GS68 GULLEY STABILIZATION	52497	02/29/24	1,094.75
PSC402 GS68 POND EXCAVATION	52498	02/29/24	190.00
PSC901-2024 GENERAL ENGINEERING FOR PIONEER SARAH WMC 2024	52499	02/29/24	661.25
			<b>2,981.00</b>





3601 Thurston Avenue  
 Suite 101  
 Anoka, MN 55303

Pioneer Sarah Watershed Management Commission  
 3235 Fernbrook Lane  
 Plymouth, MN 55447

Invoice number 52495  
 Date 02/29/2024

Project **PSC222 2023-07 CSAH 19  
 REHABILITATION**

Professional Services Provided Through 01/31/2024

**MUNICIPAL REVIEW**

Professional Fees

	Date	Hours	Rate	Billed Amount
Andrew Vistad <i>PROJECT REVIEW NO 1</i>	01/04/2024	3.00	115.00	345.00
Andrew Vistad <i>PROJECT REVIEW NO 1</i>	01/05/2024	2.00	115.00	230.00
Andrew Vistad <i>PLAN SET REVIEW NO 1</i>	01/12/2024	3.00	115.00	345.00
<b>PROFESSIONAL FEES SUBTOTAL</b>				<b>920.00</b>
<b>MUNICIPAL REVIEW SUBTOTAL</b>				<b>920.00</b>
<b>AMOUNT DUE THIS INVOICE</b>				<b>920.00</b>

Invoice Summary	Current Billed	Prior Billed	Total Billed
Total	920.00	0.00	920.00



3601 Thurston Avenue  
 Suite 101  
 Anoka, MN 55303

Pioneer Sarah Watershed Management Commission  
 3235 Fernbrook Lane  
 Plymouth, MN 55447

Invoice number 52496  
 Date 02/29/2024

Project **PSC223 2024-001 THE ROCK**

Professional Services Provided Through 01/31/2024

**MUNICIPAL REVIEW**

Professional Fees

	Date	Hours	Rate	Billed Amount
Andrew Vistad <i>DEVELOPMENT REVIEW COMMUNICATION</i>	01/24/2024	1.00	115.00	115.00
<b>PROFESSIONAL FEES SUBTOTAL</b>				<b>115.00</b>
<b>MUNICIPAL REVIEW SUBTOTAL</b>				<b>115.00</b>
<b>AMOUNT DUE THIS INVOICE</b>				<b>115.00</b>

<b>Invoice Summary</b>	Current Billed	Prior Billed	Total Billed
Total	115.00	0.00	115.00



3601 Thurston Avenue  
 Suite 101  
 Anoka, MN 55303

Pioneer Sarah Watershed Management Commission  
 3235 Fernbrook Lane  
 Plymouth, MN 55447

Invoice number 52497  
 Date 02/29/2024

Project **PSC401 GS68 GULLEY STABILIZATION**

Professional Services Provided Through 01/31/2024

**BIDDING**

Professional Fees

	Date	Hours	Rate	Billed Amount
Andrew Vistad <i>ANSWER CONTRACTOR QUESTIONS</i>	01/10/2024	2.00	115.00	230.00
Andrew Vistad <i>BID OPENING AND AWARD RECOMMENDATION</i>	01/11/2024	2.00	115.00	230.00
Megan Fosslund <i>BID OPENING, BID TABULATION</i>	01/11/2024	1.00	75.00	75.00
Andrew Vistad <i>CONTRACTOR COMMUNICATION</i>	01/12/2024	1.50	115.00	172.50
Megan Fosslund <i>AWARD RECOMMENDATION</i>	01/12/2024	0.25	75.00	18.75
<b>PROFESSIONAL FEES SUBTOTAL</b>				<b>726.25</b>
<b>BIDDING SUBTOTAL</b>				<b>726.25</b>

**CONSTRUCTION ADMINISTRATION**

Professional Fees

	Date	Hours	Rate	Billed Amount
Megan Fosslund <i>CONTRACTS</i>	01/18/2024	0.50	75.00	37.50
Andrew Vistad <i>PROJECT CONTRACTS CONTRACTOR COMMUNICATION</i>	01/19/2024	1.00	115.00	115.00
<b>PROFESSIONAL FEES SUBTOTAL</b>				<b>152.50</b>
<b>CONSTRUCTION ADMINISTRATION SUBTOTAL</b>				<b>152.50</b>

**CONSTRUCTION OBSERVATION**

Professional Fees

	Date	Hours	Rate	Billed Amount
Jon Halter <i>PLAN REVIEW WITH ANDREW</i>	01/19/2024	2.00	108.00	216.00
<b>PROFESSIONAL FEES SUBTOTAL</b>				<b>216.00</b>
<b>CONSTRUCTION OBSERVATION SUBTOTAL</b>				<b>216.00</b>

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**AMOUNT DUE THIS INVOICE**      **1,094.75**

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<b>Invoice Summary</b>	Current Billed	Prior Billed	Total Billed
Total	1,094.75	9,581.15	10,675.90

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3601 Thurston Avenue  
 Suite 101  
 Anoka, MN 55303

Pioneer Sarah Watershed Management Commission  
 3235 Fernbrook Lane  
 Plymouth, MN 55447

Invoice number 52498  
 Date 02/29/2024

Project **PSC402 GS68 POND EXCAVATION**

Professional Services Provided Through 01/31/2024

**DESIGN**

Professional Fees

	Date	Hours	Rate	Billed Amount
Alex Wilde	01/26/2024	2.00	95.00	190.00
<i>EDIT THE PLANS AND CREATE A SHEET SET</i>				
<b>PROFESSIONAL FEES SUBTOTAL</b>				<b>190.00</b>
<b>DESIGN SUBTOTAL</b>				<b>190.00</b>
<b>AMOUNT DUE THIS INVOICE</b>				<b>190.00</b>

<b>Invoice Summary</b>	Current Billed	Prior Billed	Total Billed
<b>Total</b>	190.00	767.15	957.15



3601 Thurston Avenue  
 Suite 101  
 Anoka, MN 55303

Pioneer Sarah Watershed Management Commission  
 3235 Fernbrook Lane  
 Plymouth, MN 55447

Invoice number 52499  
 Date 02/29/2024

Project **PSC901-2024 GENERAL ENGINEERING FOR PIONEER SARAH WMC 2024**

Professional Services Provided Through 01/31/2024

**GENERAL ENGINEERING**

Professional Fees

	Date	Hours	Rate	Billed Amount
Andrew Vistad <i>PRE-PROJECT COMMUNICATION</i>	01/05/2024	3.00	115.00	345.00
Andrew Vistad <i>MONTHLY MEETING</i>	01/18/2024	2.75	115.00	316.25
<b>PROFESSIONAL FEES SUBTOTAL</b>				<b>661.25</b>
<b>GENERAL ENGINEERING SUBTOTAL</b>				<b>661.25</b>
<b>AMOUNT DUE THIS INVOICE</b>				<b>661.25</b>

<b>Invoice Summary</b>	Current Billed	Prior Billed	Total Billed
Total	661.25	0.00	661.25



3235 Fernbrook Lane  
Plymouth MN 55447

Pioneer-Sarah Creek Watershed Management Commission  
3235 Fernbrook Lane Plymouth, MN 55447

March 15, 2024

**Total Project Area**

**Total Project Area**

General Administration

Administrative		70.00	0.000
Administrative	11.17	75.00	837.750
Administrative - virtual		80.00	0.000
Handbook		75.00	0.000
Office Support	10.00	75.00	750.000
Public storage	1.00	109.48	109.480
Data Processing/File Mgmt	0.25	75.00	18.750
Archiving		70.00	0.000
Reimbursable Expense	1.20	1.00	1.200

1,717.180 Administration

Meeting packets, attendance, Minutes and Meeting follow-up

Administrative		70.00	0.000
Administrative	8.51	75.00	638.250
Admin - offsite	4.33	80.00	346.400
Reimbursable Expense	135.77	1.00	135.770

1,120.420 Meeting-related activities

Bookkeeping, Budget, Audit Prep, Treas Report

Bookkeeping, budget, audit requests	1.01	75.00	75.750
Budget - virtual		80.00	0.000
Treasurer's Reports	1.00	75.00	75.000
Bookkeeping Subscription	1.00	60.00	60.000
Audit Prep		70.00	0.000
Audit Prep		75.00	0.000
Reimbursable Expense	11.81	1.00	11.810

222.560 Bookkeeping/TRs

Annual Report/Work Plans

Secretarial		70.00	0.000
Administrative	9.14	75.00	685.500
Reimbursable Expense		1.00	0.000

685.50 Annual Report  
Work plans

Website

Weebly hosting - 1 year	50.00	1.00	50.000
Pages, links, uploads	0.00	75.00	0.000
Administrative	0.25	75.00	18.750

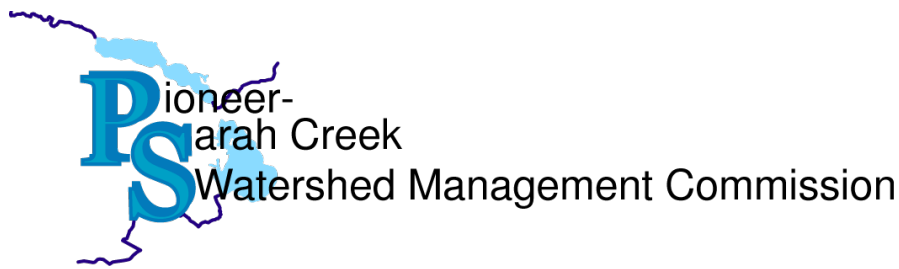
68.750 Website

Project Reviews

Administrative		70.00	0.000
Administrative		75.00	0.000
File Management/Archiving		70.00	0.000
Reimbursable Expense		1.00	0.000

0.000 Project Reviews

**3,814.410      3,814.410**



ADMINISTRATIVE OFFICE: 3235 Fernbrook Lane N • Plymouth, MN 55447  
763.553.1144 • Fax: 763.553.9326 • Email: judie@jass.biz  
TECHNICAL OFFICE: 3601 Thurston Avenue • Anoka, MN 55303  
Phone: 763-427-5860 • Fax: 763-427-0520 •  
Email: andrewv@haa-inc.com

## **5370 US HWY 12 Site Plan** **Maple Plain, Project #2024-001**

**Project Overview:** The 5370 US HWY 12 Site Plan is a single lot commercial/industrial development project to reconstruct the parking and loading area for the property. The property is located within the City of Maple Plain north of US HWY 12 and west of Halgren Road. The existing site is an existing commercial/industrial facility with a small paved parking area and a large gravel parking area. Stormwater for the site flows to the east to discharge into wetlands off site. Those wetlands are then captured via storm sewer to be conveyed into Pioneer Creek. The Commission's management plan requires compliance for Stormwater Management (Rule D), Erosion Control (Rule E), and Buffer Strips (Rule I).

**Applicant:** Craig McIntosh, 309 McDermot Ave, Ste 240, Winnipeg, MB R3A1T3 Phone: 204-654-7489. Email: CRAIGMCINTOSH@ICLOUD.COM

**Agent/Engineer:** Loucks Inc. Attn. Zachary Webber, 7200 Hemlock Ln, N Ste. 300, Maple Grove, MN 55369. Phone: 763-496-6753. Email: ZWEBBER@LOUCKSINC.COM

### **Exhibits:**

- 1) PSCWMC Request for Plan Review received March 6, 2024
- 2) Project review fees for project, \$1,050.00
- 3) Civil Plans, dated December 8, 2023
- 4) Stormwater Management Plan, dated March 11, 2024

### **Findings:**

- 1) An application was received March 6, 2024. The initial 60-day decision period expires on May 5, 2024.
- 2) The applicant proposes to reconstruct the gravel parking lot on a 4.01 acre lot
- 3) The City of Maple Plain is the LGU in charge of administering the 1991 Wetland Conservation Act on this site.
  - No wetland impacts are proposed as part of this site plan.



**Stormwater Management (Rule D):**

- 4) Stormwater from the site generally flows to the east to discharge into the wetlands located off site. The offsite wetlands are eventually captured by a city storm sewer system that ultimately conveys the water to discharge into Pioneer Creek north of the site. Site stormwater is proposed to be captured by a bio-filtration basin.
- 5) On site storm water conveyance is proposed to be handled by the paved parkign area that will discharge directly into the bio-filtration basin. Vegetated areas of the lot will be conveyed overland to discharge into the site stormwater basin or will directed offsite. The onsite stormwater ponds have been sized to adequately abstract the 1.1” of stormwater over the reconstructed surface as required.

Site Discharge to the South	2-yr (cfs)	10-yr (cfs)	100-yr (cfs)
<b>Pre-Development Rates</b>	<b>13.31</b>	<b>21.87</b>	<b>40.19</b>
<b>Post-Development Rates</b>	<b>4.40</b>	<b>15.95</b>	<b>38.75</b>

Site Discharge to the East	2-yr (cfs)	10-yr (cfs)	100-yr (cfs)
<b>Pre-Development Rates</b>	<b>3.36</b>	<b>6.38</b>	<b>13.20</b>
<b>Post-Development Rates</b>	<b>2.87</b>	<b>5.73</b>	<b>12.44</b>

Site Discharge to the West	2-yr (cfs)	10-yr (cfs)	100-yr (cfs)
<b>Pre-Development Rates</b>	<b>3.98</b>	<b>6.65</b>	<b>12.38</b>
<b>Post-Development Rates</b>	<b>3.59</b>	<b>6.00</b>	<b>11.17</b>

Water Quality Calculations	Total Phosphorus (TP lb/yr)	Total Suspended Solids (TSS lb/yr)
<b>Pre-Development Rates</b>	<b>13.47</b>	<b>1,958.7</b>
<b>Post-Development Rates</b>	<b>7.52</b>	<b>656.4</b>

- 6) An Ownership and Maintenance Agreement is required for long term maintenance of the onsite stormwater ponds. Please provide for review as well as proof of recording once completed.

**Erosion and Sediment Controls (Rule E):**

- 7) Land disturbing activities of greater than 1 acre, either individual or part of a larger common plan, require a SWPPP and are required to apply for a NPDES/SDS construction permit. The proposed development will cause more than 1 acre of disturbance and discharges into an impaired water. A SWPPP has been provided that appears to meet watershed rules and includes provision outlined in the construction stormwater permit for sites discharging into impaired waters.

**Buffer Strips (Rule I):**

- 8) The applicant shall submit to the member city an executed buffer maintenance plan and agreement for the first two growing seasons following establishment and provide an escrow or an alternative surety to assure successful vegetation establishment.

**Recommendation:** Approval contingent upon the following conditions:

- 1) Receipt of Payment
- 2) Recording of O&M regarding stormwater facilities and maintenance.

Advisor to the Commission



Andrew Vistad, PE

March 15, 2024

Date

## Contractor's Application for Payment No. 1

<b>To (Owner):</b> Pioneer Sarah Creek Watershed	<b>Application Period:</b> 2/1/2024 - 2/22/2024	<b>Application Date:</b> 2/22/2024
<b>Project:</b> GS68 Gulley Stabilization	<b>From (Contractor):</b> Vada Contracting, LLC	<b>Via (Engineer):</b> Hakanson Anderson

**Application For Payment  
Change Order Summary**

Approved Change Orders		
Number	Additions	Deductions
<b>TOTALS</b>	\$0.00	\$0.00
<b>NET CHANGE BY CHANGE ORDERS</b>	<b>\$0.00</b>	

1. ORIGINAL CONTRACT PRICE.....	\$	\$29,337.00
2. Net change by Change Orders.....	\$	\$0.00
3. Current Contract Price (Line 1 ± 2).....	\$	\$29,337.00
4. TOTAL COMPLETED AND STORED TO DATE	\$	\$23,125.62
5. RETAINAGE:		
a. 5%           X       Work Completed.....	\$	\$1,156.28
b. 0%           X       Stored Material.....	\$	\$0.00
c. Total Retainage (Line 5.a + Line 5.b).....	\$	\$1,156.28
6. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5.c).....	\$	\$21,969.34
7. LESS PREVIOUS PAYMENTS.....	\$	
8. AMOUNT DUE THIS APPLICATION.....	\$	\$21,969.34

**Contractor's Certification**

The undersigned Contractor certifies, to the best of its knowledge, the following:  
 (1) All previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with the Work covered by prior Applications for Payment;  
 (2) Title to all Work, materials and equipment incorporated in said Work, or otherwise listed in or covered by this Application for Payment, will pass to Owner at time of payment free and clear of all Liens, security interests, and encumbrances (except such as are covered by a bond acceptable to Owner indemnifying Owner against any such Liens, security interest, or encumbrances); and  
 (3) All the Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

**Contractor Signature**

By: Date: 2/27/2024

**ENGINEER: HAKANSON ANDERSON**

Certification: We recommend payment for work and quantities shown.

2-27-2024

(Engineer)

Date

**OWNER: Pioneer Sarah Creek Watershed**

(Owner)

Date

**PAY ESTIMATE #1  
DOVRE TOWNSHIP  
2023 ROAD IMPROVEMENT PROJECT**

<b>Base Bid</b>							
<b>ITEM NO.</b>	<b>ITEM DESCRIPTION</b>	<b>ESTIMATED QUANTITY</b>	<b>UNIT</b>	<b>CONTRACT UNIT PRICE</b>	<b>CONTRACT AMOUNT</b>	<b>USED TO DATE</b>	<b>EXTENSION</b>
1	MOBILIZATION	1	LS	\$ 2,800.00	\$ 2,800.00	1.000	\$ 2,800.00
2	CONSTRUCT MAINTAIN & RESTORE SITE ACCESS AND STAGING AREA	1	LF	\$ 3,100.00	\$ 3,100.00	0.750	\$ 2,325.00
3	GRUB TREE STUMP	9	LF	\$ 125.00	\$ 1,125.00	9.000	\$ 1,125.00
4	COMMON EXCAVATION (PV)	50	CU YD	\$ 71.50	\$ 3,575.00	40.000	\$ 2,860.00
5	RIPRAP CLASS II	70	TON	\$ 110.00	\$ 7,700.00	58.130	\$ 6,394.30
6	RIPRAP CLASS III	15	TON	\$ 122.00	\$ 1,830.00	14.560	\$ 1,776.32
7	RIPRAP CLASS IV	40	TON	\$ 122.00	\$ 4,880.00	41.650	\$ 5,081.30
8	MNDOT TYPE 3	218	SY	\$ 2.00	\$ 436.00	218.000	\$ 436.00
9	SILT FENCE, TYPE MACHINE SLICED	225	LF	\$ 2.90	\$ 652.50	113.000	\$ 327.70
10	ROLLED EROSION PREVENTION CATEGORY 20	660	SY	\$ 3.60	\$ 2,376.00	0.000	\$ -
11	SEEDING	0.40	AC	\$ 800.00	\$ 320.00	0.000	\$ -
12	MNDOT SEED MIXTURE 25-131	46	LB	\$ 5.00	\$ 230.00	0.000	\$ -
13	MNDOT SEED MIXTURE 34-261	5	LB	\$ 62.50	\$ 312.50	0.000	\$ -
<b>Total Base Bid</b>					<b>\$ 29,337.00</b>		<b>\$ 23,125.62</b>

EXHIBIT A

**Pioneer-Sarah Creek Watershed Management Commission  
Capital Improvement Project Submittal**

*(This submittal will be rated on its completeness and adherence to the goals of the Commission.  
A second page may be used to provide complete responses.)*

City	Independence and Hennepin County	
Contact Name	Rozalyn Davis	
Telephone	952-262-0397	
Email	Rozalyn.davis@hennepin.us	
Address	701 4 <sup>th</sup> Ave S #700 Minneapolis MN 55415	
Project Name	Adelmann shoreline restoration	
	1. Is project in Member's CIP? ( ) yes ( x ) no	Proposed CIP Year = 2024-2025
	2. Has a feasibility study or an engineering report (circle one) been done for this project? ( ) yes ( X ) no	
		Amount
	Total Estimated Project Cost	\$115,500
	Estimated Commission Share (up to 25%, not to exceed \$250,000)	\$10,395
	Other Funding Sources (name them) 2021 SFC WBIF	\$27,720
	Landowners	\$77,385
	3. What is the scope of the project? Stabilization of a moderately eroding section of shoreline on Lake Independence. Riprap and buffer strips along the shoreline are proposed.	
	4. What is the purpose of the project? What water resource(s) will be impacted by the project? This project is intended to stabilize 235 feet of shoreline on Lake Independence. Hard armoring of the shoreline along with vegetative filter strips will protect the shoreline from excessive erosion from wave action and storm events.	
	5. What is the anticipated improvement that would result from the project? (Include size of area treated and projected nutrient reduction.) Approximately 235 feet of shoreline will be stabilized with an estimated phosphorus reduction of 7.1 lbs/yr and sediment reduction of 3.83 tons/yr.	
	6. How does the project contribute to achieving the goals and programs of the Commission? This project supports goal area B2 identified in the Commission's Fourth Generation Plan ("Meet state standards in Spurzem, Half Moon, Ardmore, <b>Independence</b> , and Sarah Lakes, making progress towards their removal from the list of Impaired Waters.")	
0/10	7. Does the project result from a regulatory mandate? ( ) yes ( x ) no How?	
0/10/20	8. Does the project address one or more TMDL requirements? ( x ) yes ( ) no Which? This project addresses nutrient (phosphorus) TMDL requirements for Lake Independence under the 2007 Lake Independence TMDL report.	
0/10/20	9. Does the project have an educational component? ( ) yes ( x ) no Describe.	
0/10	10. Do all the LGUs responsible for sharing in the cost of the project agree to go forward with this project? ( X ) yes ( ) no Identify the LGUs. <b>PSCWMC</b>	
10/20	11. Is the project in all the LGUs' CIPs? ( ) yes ( x ) no	
1-34	(For TAC use) 12. Does project improve water quality? (0-10) 13. Prevent or correct erosion? (0-10) 14. Prevent flooding? (0-5)	15. Promote groundwater recharge? (0-3) 16. Protect and enhance fish and wildlife habitat? (0-3) 17. Improve or create water recreation facilities? (0-3)
TOTAL (poss 114)		



## 2023 Annual Activity Report



Greenfield • Independence • Loretto • Maple Plain • Medina • Minnetrista









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Cover Photograph:  
*Lake Rebecca Fishing Pier*  
 Photo by Jonathan Hess, Three Rivers Park District



## ANNUAL ACTIVITY REPORT

*This annual activity report has been prepared by the Pioneer-Sarah Creek Watershed Management Commission in accordance with the annual reporting requirements of Minnesota Rules Chapter 8410.0150, Subps. 2 and 3. It summarizes the activities undertaken by the Commission during calendar year 2023.*

### PIONEER-SARAH CREEK WATERSHED MANAGEMENT COMMISSION

The Commission was established to protect and manage the natural resources of the Pioneer and Sarah Creek watersheds. It is a joint powers watershed organization formed as required under MN Statutes 103B.201-103B.255 and MN Rules Chapter 8410. A Board of Commissioners comprised of representatives appointed by the member communities was established as the governing body of the Commission. Its membership is comprised of the cities of Greenfield, Independence, Loretto, Maple Plain, Medina, and Minnetrista. The table in *Appendix 1* shows the names of the Commissioners appointed to serve in 2023.

### MEETINGS

The Commission meets on the third Thursday of the month at Maple Plain City Hall. The meetings are open to the public and visitors are welcome. Meeting notices, agendas, and approved minutes are posted on the Commission's website, [www.pioneersarahcreek.org](http://www.pioneersarahcreek.org).

### STAFF AND CONSULTANTS

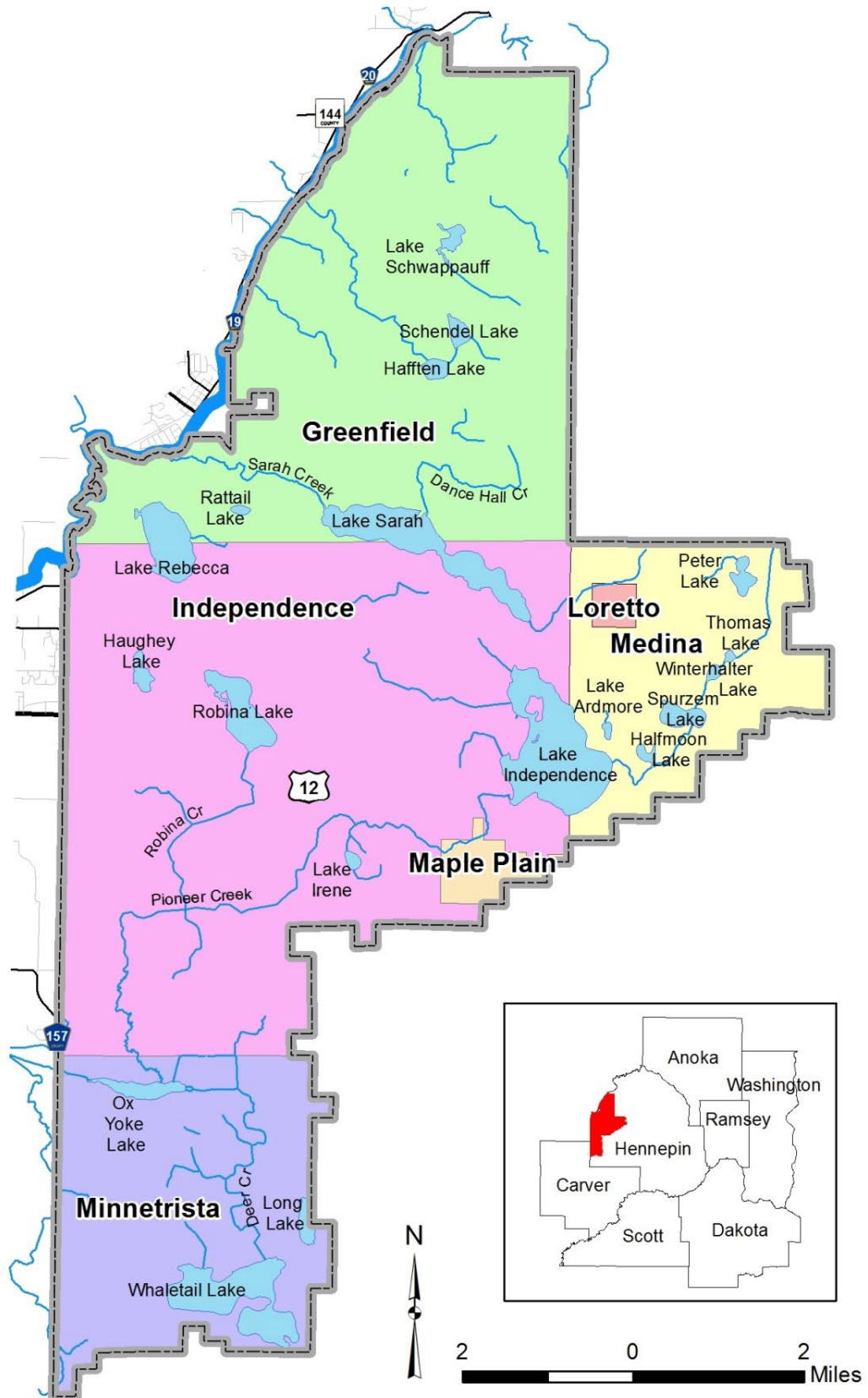
The Commission has no employees. Independent consultants perform technical, legal, and administrative services for the Commission and are selected biannually. The current staff and consultants are listed in *Appendix 1*.

### THE WATERSHED

Located entirely within western Hennepin County, the Pioneer-Sarah Creek watershed covers approximately 70.5 square miles and includes the watersheds of Pioneer Creek and Sarah Creek. The Crow River demarcates most of the northern boundary. Portions or all of the six member cities are within the legal boundaries of the Pioneer-Sarah Creek watershed and are listed in Table 1. A map of the watershed can be viewed on the next page.

### WATERSHED MANAGEMENT PLAN

The Commission's Fourth Generation Watershed Management Plan describes how the Pioneer-Sarah Creek Watershed Management Commission (PSCWMC) will manage activities in the watershed in the ten-year period 2021-2030. The Commission initiated the planning process in November 2019. The Fourth Generation Plan was approved by the Board of Water and Soil Resources (BWSR) for a period of 10 years on December 17, 2020. The Commission adopted the Plan on the same date.



**Table 1**  
**Area of Members within the Pioneer-Sarah Creek Watershed**

Local Government Unit	Area Within Watershed (Square Miles)	Percent of Watershed
Greenfield	21.5	30.5%
Independence	29.7	42.1%
Loretto	0.3	0.4%
Maple Plain	0.8	1.1%
Medina	7.5	10.7%
Minnetrista	10.7	15.2%
<b>TOTAL:</b>	70.5	100.0%

The Commission identified the following priorities to guide water resources planning and management functions:

- Make systematic progress toward achieving lake water quality goals by 2030.
- Partner with member cities and other parties to conduct subwatershed assessments and other studies to identify feasible and cost-effective Best Management Practices (BMPs) to protect and improve water quality.
- Build partnerships with Hennepin County, Three Rivers Park District (TRPD) and member cities to deliver implementation projects on public and private property to protect water quality, habitat and natural resources.

In 2023 subwatershed assessments (SWAs) were in progress for Lake Rebecca, and Spurzem Creek Chain (funded by Hennepin County).

Technical Advisory Committee (TAC) meetings were held to discuss the 2023 monitoring plan, review the 2023-2025 Capital Improvement Plan, discuss the FY21 Watershed-Based Implementation Funding (WBIF) to be used by December 31, 2023, and to discuss the FY23 WBIF to be used by December 31, 2025. The Pioneer-Sarah Creek Commission was awarded \$180,063 in FY21 WBIF for the South Fork Crow (SFC) major watershed and \$91,105 in FY21 for the North Fork Crow (NFC) major watershed.

Projects selected for the FY 21 NFC WBIF grant include: Dancehall Creek (DHC) SWA Update (\$22,117) completed 2022, Lake Sarah Sediment Cores (\$12,000) completed 2023, Gully Stabilization 68 (\$30,100) completed 2023, and Dance Hall Creek BMP Implementation (\$26,888) approved at the October 19, 2023 meeting to begin creating 30% design plans for DHC BMP #1 & 2 as identified in the updated SWA.

Projects selected for the FY 21 SFC WBIF grant include: Lake Rebecca SWA (\$30,000), Spurzem Area BMPs (\$35,063) and Lake Independence Area BMPs (\$115,000) including the White and McCombs BMPs completed in 2022

The Pioneer-Sarah Creek Commission was awarded \$159,223 in FY23 WBIF for the entire watershed area. Projects approved are the GS68 Wetland scrape (\$37,125), Lake Rebecca Alum Feasibility Study (\$27,000), Lake Rebecca BMP Implementation (\$20,098), and Lake Rebecca Channel Stabilization (\$75,000).

## LOCAL PLANS

Local water management plans adopted by member cities pursuant to Minnesota Statutes, Section 103B.235 shall be consistent with the Commission's Watershed Management Plan. Local plans must comply with MN Statutes, Section 103B.235 and MN Rules 8410 regarding local plan content. Updated local plans must be submitted and approved by December 17, 2030.

## 2023 WORK PLAN IN REVIEW

Minnesota Rule 8410.0150 requires the Commission to submit to the Board of Water and Soil Resources a financial report, activity report and audit report for the preceding fiscal year. 8410.0150 Subp. 3 outlines the required content of the annual activity report. It includes an assessment of the previous year's annual work plan and development of a projected work plan for the following year.

The Commission's Fourth Generation Plan identifies issues, priorities, and goals for the ten-year period 2021-2031. Following is a summary of the work undertaken by the Pioneer-Sarah Creek Watershed Management Commission in 2023 to meet the goals, objectives and projected work plan outlined in its 2022 *Annual Report*. The projected Work Plan was approved at the Commission's March 16, 2023, meeting.

**A. WATER QUANTITY.** Continue to review local development/redevelopment plans for conformance with the standards outlined in the Commission's Fourth Generation Watershed Management Plan.

1. Maintain the post-development 2-year, 10-year, and 100-year peak rates of runoff at pre-development levels for the critical duration precipitation event.
2. Maintain the post-development annual runoff volume at pre-development volume.
3. Prevent the loss of floodplain storage below the established 100-year elevation.

*In 2023, the Commission reviewed six plans for conformance with its standards. Two projects each were located in the cities of Independence and Greenfield, and one project each in the cities of Loretto and Minnetrista.*

**B. WATER QUALITY.** Support the Commission's management goals for water quality. Continue to make progress to improve the lakes and streams in the watershed as well as protect those that are not impaired.

1. Complete Lake Rebecca subwatershed assessment (SWA) and begin project implementation to maintain Lake Rebecca's non-impaired status. *The contract and funding for the Lake Rebecca SWA were approved by the Commission at their October 21, 2021 meeting. Hennepin County worked with a consultant to identify best management practice opportunities and ground-truthed them in Summer and Fall 2022. The SWA was completed in 2023. The Commission approved a CIP project on the Shriner's Horsemen property for which the Commission is a project partner at their April 20, 2023 meeting to capture 4.9 tons of TSS and 9.6 lbs. of TP annually. This property was identified in the Lake Rebecca SWA as a priority to improve water quality to Lake Rebecca. This project began in 2023 and will be completed in 2024.*

At their March 16, 2023 meeting, the Commission approved an allocation of \$75,000 from the FY2023 WBIF to the Lake Rebecca Channel Stabilization project with a 25% match of CIP funds, the Lake Rebecca alum feasibility study at \$27,000, and Lake Rebecca BMP implementation at \$20,098, including the Shriner's Horsemen property improvement. The Lake Rebecca Channel Stabilization feasibility study and design were completed by TRPD in 2023 with construction expected in early 2024. The Lake Rebecca alum feasibility study will begin after the channel stabilization and Shriner's projects are complete.

**2.** Complete the Spurzem Creek SWA and begin project implementation to improve water quality through the Spurzem Creek chain to Lake Independence. *The Spurzem Creek SWA is expected to be completed by mid 2024.*

**3.** Implement BMPs to improve water quality in Spurzem, Independence, and Sarah Lakes, making progress toward their removal from the list of Impaired Waters.

*In November 2022 the Commission approved a cost-share project using CIP and WBIF funds, along with County and landowner contributions, to install a manure bunker on the Olson property in the Spurzem Creek watershed at a total cost not to exceed \$69,319. The project is anticipated to capture 47 lbs. of nitrogen and 14 lbs. of TP. In summer 2023 the landowner decided not to complete this project.*

*In December 2022 the Commission approved adding two projects in the Lake Sarah watershed to the CIP for completion in 2023-2024: Gully Stabilization 68 and Pond Scraping 68. The Gully Stabilization project design was completed in fall 2023 and construction will be completed in early 2024 with the pond scrape to follow in fall/winter 2024 to ensure any erosion caused by the gully stabilization is removed after project completion.*

*In October 2023 the Commission approved \$30,225 to construct cross-vanes and a settling pond as a partner contribution to the ravine stabilization project at the Bridgevine development adjacent to Lake Independence. This project was identified as a priority in the 2014 Lake Independence SWA which estimated this will remove 9.77 tons of TSS and 15.6 lbs. of TP annually based on the previous agricultural land use of the property. In late 2023 two shoreline owners at the new Bridgevine development, Adelman and Kingston, requested funding for shoreline restoration projects. The Commission approved up to 30% cost-share for these projects including WBIF funds once final plans and pollutant reductions are presented.*

*Sediment cores were taken from Lake Sarah in 2023 to update the TMDL with accurate internal loading information.*

*The Commission approved funding a 30% design for Dance Hall Creek BMPs 1 and 2 as identified in the Dance Hall Creek SWA update completed in 2022. This work will be completed in 2024.*

*The Commission supported outreach efforts of County staff at the Vinland National Center to retrofit the site with raingardens and other potential BMPs to capture runoff and reduce erosion. A plan is expected to be completed in 2024.*

**4.** Improve water quality in the impaired lakes by 10% over the average of the previous 10 years by 2030. *The Commission was awarded a Clean Water Fund grant for an alum treatment on Whaletail Lake in August 2022. The first treatment occurred in May 2023 and the second treatment will occur in spring 2024. The first treatment resulted in improved water clarity.*



5. Maintain or improve water quality in lakes and streams with no identified impairments. *The Commission completed the Lake Rebecca SWA in 2023.*

6. Begin TMDL review and update for Lake Independence. *In 2023 TRPD completed sediment analysis and watershed modeling for the Lake Independence TMDL review. The TMDL update is expected to be completed in 2024.*

7. Foster implementation of Best Management Practices (BMPs) in the watershed through technical and financial assistance and partnership development. *The Commission has partnered with Hennepin County and Three Rivers Park District to work with landowners and develop projects on private land to reduce nutrient loading. The Bridgevine project is in process in 2023-2024 while the Dance Hall Creek, Vinland, Adelman and Kingston projects are in outreach/design phase.*

#### **C. GROUNDWATER.**

1. Promote groundwater recharge by requiring abstraction/infiltration of runoff from new development and redevelopment.

2. Protect groundwater quality by incorporating wellhead protection study results into development and redevelopment Rules and Standards.

#### **D. WETLANDS.**

1. Preserve the existing functions and values of wetlands within the watershed.

2. Promote wetland enhancement or restoration of wetlands in the watershed. *The Commission approved moving forward with a 30% design phase for the Hydrologic Restoration project on Dance Hall Creek just north of Lake Sarah at their October 19, 2023 meeting.*

#### **E. OPERATIONS AND PROGRAMMING.**

1. Adopt a 2024 operating budget. *A 2024 operating budget of \$433,092, with member assessments totaling \$131,800, was approved on June 15, 2023.*

a. Search for grants and other funds to supplement the regular budget. *Through a partnership with the Three Rivers Park District, a Clean Water Fund Projects and Practices grant was applied for in August 2022 for the Whaletail Lake South Basin Alum Treatment project. The grant was awarded in early 2023. The Shriner Horsemen project includes grant funds from EQUIP, Hennepin County, and Commission WBIF.*

b. Fund a Capital Improvement Program (CIP) to share in the cost of projects. *The operating budget has included \$28,000 dedicated to the CIP fund annually since 2016. In 2023 CIP funds were included in the Shriner Horsemen project, GS68 and pond scrape design work, and Lake Rebecca SWA..*

c. Use the Fourth Generation Plan as guidance to budget monitoring projects. *The Commission contracted TRPD to monitor nine lakes in the watershed in 2023: Ardmore, Half Moon, Spurzem, Thomas, Little Long, Rebecca, Sarah, Independence, and both basins of Whaletail. The Commission also monitored four stream sites on Pioneer Creek, Dancehall Creek and the channel that flows to Lake Rebecca.*

d. Allocate education funding. *The Commission budgeted \$2,500 for general education funding and \$500 for educational events in 2023.*

2. Convene a TAC meeting at least annually to identify and prioritize CIP projects and share information. *The TAC met twice in 2023.*

a. Partner with Hennepin County to provide technical and financial assistance to member cities and private landowners in identifying appropriate and cost-effective Best Management Practices to increase infiltration and groundwater recharge and reduce stormwater runoff pollution. *Hennepin County has worked with the Commission, the developer on the Bridgevine development, and two new property owners in the development, to implement a ravine stabilization project and two shoreline stabilization projects on Lake Independence. The Commission has also partnered with the County to pursue a potential wetland and channel project on Dance Hall Creek north of Lake Sarah.*

*The Commission has entered into a Cooperative Agreement with Hennepin County to fund the County outreach to foster relationships and potential project implementation within the watershed.*

3. Prepare and implement an annual monitoring plan and provide annual reporting.

a. Partner with Three Rivers Park District (TRPD) to conduct bi-weekly water quality monitoring of “sentinel lakes” – Independence, Sarah, Little Long, and both basins of Whaletail. Two additional “non-sentinel” lakes will also be monitored in 2023. *In addition to the lakes named here, Ardmore, Half Moon, Peter, and Spurzem lakes were monitored to gather data for the Spurzem Creek SWA. TRPD also monitors Lake Rebecca.*

b. Partner with TRPD to conduct flow and water quality monitoring at selected sites. The Commission has budgeted funds to monitor four sites in 2023. *The Commission budgeted funds to monitor four sites in 2023 - Dance Hall Creek, Pioneer Creek, Sarah Creek, and two points flowing to Lake Rebecca. TRPD covered the cost for one Rebecca site.*

c. Participate in Metropolitan Council’s Citizen Assisted Monitoring Program (CAMP). The Commission has budgeted funds to monitor one lake in 2023. *No lakes were monitored through the CAMP program in 2023*

4. Continue cost-share policy for opportunistic projects including projects funded by Hennepin County or other grants. *The Commission received five CIP/cost-share requests in 2023: Zurah Shrine Horsemen, Kingswood Ravine, Bridgevine Ravine, Kingston Shoreline Restoration and Adelman Shoreline Restoration. The Commission funded two cost-share projects in cooperation in 2023, the Zurah Shrine Horsemen and Bridgevine Ravine. The Kingwood Ravine and Adelman and Kingston shoreline projects did not have finalized funding requests at year-end.*

5. Develop a schedule to create Lake Management Plans for Lakes Independence, Sarah, and Ardmore.

6. Begin Lake Sarah TMDL review and update. *The Commission funded sediment sampling and monitoring to gather data to complete the TMDL update.*

7. Act as fiscal agent for the Board of Water and Soil Resources (BWSR) Watershed Based Implementation Funds (WBIF).

a. Funds from the 2021 biennium include \$115,000 for implementation of BMPs in the Lake Independence subwatershed, \$91,105 for development of a SWA and implementation of BMPs in the Dance Hall Creek subwatershed, \$35,063 for implementation of BMPs in the Lake Spurzem subwatershed, and \$30,000 for completion of the Lake Rebecca SWA. *As noted in previous responses, in 2023 the Commission worked with partners to make substantial progress towards or complete two SWAs (Rebecca and Spurzem) and implement or otherwise allocated funds for three projects. Hennepin County, on behalf of the Commission, submitted two progress reports in eLINK for work in the North Fork Crow River and South Fork Crow River basins in 2023.*

b. Submit a fund request for the 2023 biennium WBIF grant. *The Convene process was hosted and completed in 2022. A workplan for the WBIF grant was completed and submitted by March 2023.*

8. Publish 2022 Annual Activity Report. *The 2022 Annual Report was accepted at the Commission's April 20, 2023, meeting and forwarded to the Board of Water and Soil Resources per MN Statute.*

## F. EDUCATION AND OUTREACH

1. Partner with HCEE, TRPD and other entities to expand education and outreach activities.

2. Maintain the Commission website, pioneersarahcreek.org, and Facebook page to provide news to watershed residents including annual reports, lake and stream monitoring data, monthly meeting materials, project reviews, public notices, news releases, and other watershed- or city-related information. Participate in other forms of media: city newsletters, local newspapers, television, etc., to share useful information to stakeholders. *\$1,500 was included in the 2023 budget for this purpose. In 2023 there were 854 individual users accessing the website on 2,085 sessions. The pages most visited were: Home, Meeting Packets, Contact Us, Lake Sarah, Application Requirements, Meetings, Project Reviews, Fourth Generation Plan, Staff, and Locations and Maps.*

3. Provide education opportunities for Commissioners, elected and appointed officials, and other decision makers.

a. Complete handbook update. *An updated handbook was presented to Commissioners at the April 20, 2023 meeting.*

b. Include three presentations from Hennepin County, TRPD and other organizations to be made during Commission meetings to educate Commissioners and attendees regarding specific topics. *TRPD staff presented an education piece on hydrologic flows throughout the watershed to Commissioners at the May 18, 2023 regular Commission meeting. JASS staff presented the updated Commissioner Handbook at the April 20, 2023 regular Commission meeting.*

4. Participate in collaborative groups to pool resources and undertake activities in a cost-effective manner, promote interagency cooperation, and promote consistency of messages. *The*

*Commission continued its membership in WaterShed Partners and Staff attended bi-monthly meetings of partners.*

5. Partner with HCEE and TRPD to undertake targeted education and outreach to landowners in the watershed. *HCEE sent out postcards to landowners with over five acres within the watershed to solicit projects.*

6. Provide opportunities for the public to learn about and participate in water quality activities.

7. Enhance education opportunities for youth. *This program has not been reinstated by the County.*

## FINANCIAL REPORTING

*Appendix 3* includes the Commission's approved budget for 2023. The Commission's Joint Powers Agreement provides that each member community contributes toward the annual operating budget based on its share of the total market value of all property within the watershed. The 2023 assessments to the members are also found in *Appendix 3*.

A \$137,870 operating budget was approved by the Commission for 2023. \$6,000 was projected as proceeds from application fees, \$70 from interest income, and \$131,800 as assessments to members.

The Pioneer-Sarah Creek Watershed Management Commission maintains a checking account at US Bank for current expenses and rolls uncommitted monies to its account in the 4M Fund, the Minnesota Municipal Money Market Fund.

An amendment of Minnesota Rules, Chapter 8410 became effective on July 13, 2015. One of the revisions to the Rules extends the annual audit due date to 180 days after the end of the fiscal year, in the case of the Pioneer-Sarah Creek Commission, to June 30, 2023. The 2022 Audit Report, which was prepared by Johnson & Company, Ltd., Certified Public Accountants, is available for viewing on the Commission's website, [www.pioneersarahcreek.org](http://www.pioneersarahcreek.org).

The Commission follows Rule 54 of the Government Accounting Standard Board (GASB) to report Fund Balances. The fund balance classifications include:

- ≡ *Nonspendable* – amounts that are not in a spendable form. The Commission does not have any items that fit this category.
- ≡ *Unassigned* – amounts that are available for any purpose. These amounts are reported only in the general fund.
- ≡ *Committed* – amounts constrained to specific purposes by the Commission itself. An example would be residual funds carried over from one year to the next for Studies, Project Identification and Subwatershed Assessments.
- ≡ *Restricted* – amounts constrained to specific purposes by their providers. One example would be ad valorem levy funds received from the County for capital improvement projects. The unused portion of these funds must be set aside in a restricted account for similar projects. Another example would be BWSR Legacy Grant proceeds where the funds are received prior to the onset of a project and where any unused portion must be returned to the grantor.
- ≡ *Assigned* – amounts the Commission intends to use for specific purposes. Most line items in the Commission's Operating Budget fall under this category.

Amounts paid by the Commission per the 2022 Audit are categorized as follows:

General engineering	43,373
General administration	35,000
Education	725
Programs	33,460
Capital projects	<u>22,070</u>
Total	\$134,628

## 2024 PROJECTED WORK PLAN

Following is the projected work plan for 2024 as approved by the Commission at its March 21, 2024 meeting.

- A. WATER QUANTITY.** Continue to review local development/redevelopment plans for conformance with the standards outlined in the Commission’s Fourth Generation Watershed Management Plan.
1. Maintain the post-development 2-year, 10-year, and 100-year peak rates of runoff at pre-development levels for the critical duration precipitation event.
  2. Maintain the post-development annual runoff volume at pre-development volume.
  3. Prevent the loss of floodplain storage below the established 100-year elevation.
- B. WATER QUALITY.** Support the Commission’s management goals for water quality. Continue to make progress to improve the lakes and streams in the watershed as well as protect those that are not impaired.
1. Complete implementation of projects identified in the Lake Rebecca subwatershed assessment (SWA) to maintain Lake Rebecca’s non-impaired status including the Shrine Horsemen rotational grazing project, wetland sediment cores, and the Lake Rebecca channel stabilization project to maintain Lake Rebecca’s non-impaired status.
  2. Complete the Spurzem Creek SWA and begin project implementation to improve water quality through the Spurzem Creek chain to Lake Independence.
  3. Implement BMPs to improve water quality in Spurzem, Independence, and Sarah Lakes, making progress toward their removal from the list of Impaired Waters.
  4. Improve water quality in the impaired lakes by 10% over the average of the previous 10 years by 2030.
  5. Maintain or improve water quality in lakes and streams with no identified impairments.
  6. Complete TMDL review and update for Lake Independence.
  7. Foster implementation of Best Management Practices (BMPs) in the watershed through technical and financial assistance and partnership development.

**C. GROUNDWATER.**

1. Promote groundwater recharge by requiring abstraction/infiltration of runoff from new development and redevelopment.
2. Protect groundwater quality by incorporating wellhead protection study results into development and redevelopment Rules and Standards.

**D. WETLANDS.**

1. Preserve the existing functions and values of wetlands within the watershed.
2. Promote wetland enhancement or restoration of wetlands in the watershed.

**E. OPERATIONS AND PROGRAMMING.**

1. Adopt a 2025 operating budget.
  - a. Search for grants and other funds to supplement the operating budget.
  - b. Fund a Capital Improvement Program (CIP) to share in the cost of projects.
  - c. Use the Fourth Generation Plan as guidance to budget monitoring projects.
  - d. Allocate education funding.
2. Convene a TAC meeting at least annually to identify and prioritize CIP projects and share information.
  - a. Partner with Hennepin County to provide technical and financial assistance to member cities and private landowners in identifying appropriate and cost-effective Best Management Practices to increase infiltration and groundwater recharge and reduce stormwater runoff pollution.
3. Prepare and implement an annual monitoring plan and provide annual reporting.
  - a. Partner with Three Rivers Park District (TRPD) to conduct bi-weekly water quality monitoring of “sentinel lakes” – Independence, Sarah, Little Long, and both basins of Whaletail. Two additional “non-sentinel” lakes will also be monitored in 2024.
  - b. Partner with TRPD to conduct flow and water quality monitoring at selected sites. The Commission has budgeted funds to monitor four sites in 2024.
  - c. Participate in Metropolitan Council’s Citizen Assisted Monitoring Program (CAMP). The Commission has budgeted funds to monitor one lake in 2024.
4. Continue cost-share policy for opportunistic projects including projects funded by Hennepin County or other grants.
5. Develop a schedule to create Lake Management Plans for Lakes Independence, Sarah, and Ardmore.
6. Complete Lake Independence TMDL review and update.

7. Act as fiscal agent for the Board of Water and Soil Resources (BWSR) Watershed Based Implementation Funds (WBIF).

a. Funds from the 2021 biennium include \$115,000 for implementation of BMPs in the Lake Independence subwatershed, \$91,105 for development of a SWA and implementation of BMPs in the Dance Hall Creek subwatershed (partially complete), \$35,063 for implementation of BMPs in the Lake Spurzem subwatershed, and \$30,000 for completion of the Lake Rebecca SWA (completed).

b. Funds from the 2023 biennium include \$75,000 for the Lake Rebecca channel restoration, \$27,000 for the Lake Rebecca alum feasibility study, \$37,125 for the GS68 Pond Scrape and \$20,098 for implementation of BMPs in the Lake Rebecca subwatershed. None of these funds have been expended to date.

c. Submit a fund request for the 2025 biennium WBIF grant.

8. Publish *2023 Annual Activity Report*.

## **F. EDUCATION AND OUTREACH**

1. Partner with HCEE, TRPD and other entities to expand education and outreach activities.

2. Maintain the Commission website, [pioneersarahcreek.org](http://pioneersarahcreek.org), and Facebook page to provide news to the watershed residents including annual reports, lake and stream monitoring data, monthly meeting materials, project reviews, public notices, news releases, and other watershed- or city-related information. Participate in other forms of media: city newsletters, local newspapers, television, etc., to share useful information to stakeholders.

3. Provide education opportunities for Commissioners, elected and appointed officials, and other decision-makers.

a. Include three presentations from Hennepin County, TRPD and other organizations to be made during Commission meetings to educate Commissioners and attendees re specific topics.

4. Participate in collaborative groups to pool resources and undertake activities in a cost-effective manner, promote interagency cooperation, and promote consistency of messages.

5. Partner with HCEE and TRPD to undertake targeted education and outreach to landowners in the watershed.

a. Host a shoreline landscape resiliency workshop in partnership with Hennepin County.

6. Provide opportunities for the public to learn about and participate in water quality activities.

a. Promote and participate in the Hennepin County agricultural open house and field day events.

7. Enhance education opportunities for youth.

Have a question about this report?

Need more information?

Want to know how to get involved?

Contact us: drop us an email, give us a call, we're happy to help:

<http://www.pioneersarahcreek.org/contact-us.html>





# APPENDIX



## MEMORANDUM

**TO:** Pioneer-Sarah Creek Watershed Management Commission  
**FROM:** Andrew Vistad, Hakanson-Anderson  
**DATE:** March 15, 2024  
**SUBJECT:** Staff Report

See Previous staff reports for projects that were completed prior to December 31<sup>st</sup>, 2023

- 2022-12 Bridgevine Subdivision**, is a 47.5 acre residential subdivision located within the City of Independence on the south shoreline of Lake Independence. The development is proposing to handle stormwater via curb and gutter with inlets and storm sewer. There will be 2 filtration basins and 2 rain gardens located within the development that will capture and treat the water quality volume before being discharged. The site generally flows in 3 directions, to the north discharging into an onsite gully that is identified in the Lake Independence and Lake Sarah SRA as GS46. The eastern part of the site discharges into an offsite gulley that is also identified in the Lake Independence and Lake Sarah SRA as GS50 or the Baker Park Ravine, which has recently been stabilized by a project lead by TRPD. The western portion of the site discharges under South Lake Shore Drive into an existing gully that eventually discharges into Pioneer Creek. The developmer has revised and resubmitted plans that address the erosion that is taking place in GS46. A SWPPP has been provided and has been reviewed. The project was reviewed for Rule D, Rule E, and Rule I.
- 2023-002 Rockvam Boatyards Site Plan**, is a 1.9-acre site plan for a boat storage business located in the City of Independence. The applicant proposes to manage stormwater with an onsite bio-infiltration basin, to provide stormwater abstraction as well as water quality improvements, and rate control. The project will disturb roughly 1.2 acres and create 0.9 acres of new impervious surfacing. The project was reviewed for Rule D, Rule E, and Rule I.
- 2023-003 Athmann Site Plan**, is a single lot residential development project. The property is located within the City of Independence. The existing site consists mostly of existing row crops with wetlands on the northwestern and southeastern sides of the lot. The eastern half of the lot is wetland adjacent to Pioneer Creek. Stormwater for the site is split to flow in two directions. The northwestern half of the site flows to the west to discharge into the creek that acts as an outlet for Lake Robina. The southeastern half of the site flows to the south to discharge into Pioneer Creek. The Commission's management plan requires compliance for Stormwater Management (Rule D), Erosion Control (Rule E), and Buffer Strips (Rule I).
- 2023-004 Pioneer Trail Paving Project**, is a road widening and paving project being lead by the City of Greenfield. The project is expected to disturb roughly 1.8 acres and create 0.1 acres of impervious surfacings. The project will be required to have a SWPPP and NPDES permit. The project was reviewed for Erosion Control (Rule E).
- 2023-005 CenterPoint Energy Greenfield Conversion**, is a natural gas pipe line extension project that will install approximately 4,860 feet of 4-inch plastic natural gas pipeline. The project will

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RULE D - STORMWATER MANAGEMENT

RULE E - EROSION AND SEDIMENT CONTROL

RULE F - FLOODPLAIN ALTERATION

*Language in red indicates current updates*

\* indicates enclosure

RULE G - WETLAND ALTERATION

RULE H - BRIDGE AND CULVERT CROSSINGS

RULE I - BUFFERS

disturb roughly 0.6 acres of land and will cross FEMA flood plain as well as potentially have temporary impacts to wetlands. The project was reviewed for Erosion Control (Rule E) and Floodplain Alteration (Rule F)

6. **2023-006 Hedstrom House**, is a residential lot is located at the north end of Preserve Boulevard in Minnetrista. The dwelling, septic system, lot grading, and driveway construction will result in over 1 acre of disturbance. The project was reviewed for Erosion Control (Rule E).
7. **2023-007 CSAH 19 Rehabilitation**, is a bituminous reclaim and pave project that will resurface portions of CSAH 19 from Maple Plant to Loretto. The project will also include the installation of turn lanes at select intersections and the rehabilitation of culverts along the project corridor. The main culvert rehabilitation will be lining the dual 71" CMP arch pipes that convey Spurzem Creek under CSAH 19. The project was reviewed for Erosion Control (Rule E) and Bridge Culvert Crossings (Rule H)
8. **2024-001 The Rock Site Plan**, is a commercial development for a non-profit youth facility. The site plan is to be located on a 4.01 acre lot with in the city of greenfield. The stormwater is proposed to be managed with 2 bio-filtration basins and a wet sedimentation basin with an iron enhanced sand filter bench. The project will disturb rough 3.5 acres and create 1.35 acres of impervious surfacing. The project was reviewed for Rule D, Rule E, and Rule I.
9. **\*2024-002 5370 US 12 Site Plan**, is a commercial development for a warehouse facility. The site plan is to be located on a 13.04 acre lot with in the city of Maple Plain. The stormwater is proposed to be managed with a bio-filtration basin. The project will disturb rough 3.5 acres and reconstruct 5.37 acres of impervious surfacing. The project was reviewed for Rule D, Rule E, and Rule I.

**GS68 Gully and Pond Scrape Update**, a quote has been received to complete sediment testing in the pond. The quote from Braun Intertec covers taking the sample from the pond and having the sediment test for a cost of \$4,138. We recommend accepting this proposal. Braun has been directed to complete the sediment sampling and we are awaiting their results. Wetland delineation is to be completed by Hennepin County, and design is ongoing.

1-12-24 Quotes have been received for the gully stabilization project. The lowest quoter for the project is Vada Contracting out of Cokato with a quote of \$29,337.00. The contractor has indicated that they will be able to begin the project as early as January 22<sup>nd</sup>, weather permitting.

2-8-24 The pre-construction conference was held on site on Tuesday February 6<sup>th</sup>. The contractor provided us a schedule for the project and project questions were answered. The contractor expected to beginning with mobilization and staging on February 12<sup>th</sup> with work to commence from February 12<sup>th</sup> through February 16<sup>th</sup>.

2-22-2024 Construction started on 2-13-24 and was substantially completed by February 21<sup>st</sup>. 95% of the riprap has been placed and the remaining work left is site restoration and establishing vegetation. The contractor has indicated that they will be back sometime in April or May to complete the above mentioned work.

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**Bridgevine Cost Share Project**, the preconstruction meeting for the Bridgevine gulley stabilization project was held February 29<sup>th</sup> on site. During the pre-con there was good conversation about the goals of the project and clarification was provided to the contractor and developer to help them better achieve both their goals and provide improved water quality.

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Staff Report March 15, 2024

# HENNEPIN COUNTY

## MINNESOTA

DATE: March 15<sup>th</sup>, 2024

TO: Pioneer-Sarah Creek Watershed Management Commission

FROM: Roz Davis, Kevin Ellis, and Kris Guentzel; Hennepin County Department of Environment and Energy

RE: March Commission Project, Program, and Outreach Updates

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### **BridgeVine Development – Bohland Construction and Adelmann**

*Update:* Staff met with Bohland staff on site at the end of February. Construction is anticipated to begin soon this spring.

County staff also plan to meet with Kingston's builder in late March to discuss design plans.

A CIP application for the Adelmann project has been submitted for Commission review.

*Previous:* The Commission agreed to support the Kingston and Adelmann lakeshore restorations at a cost share rate NTE 33% of the project costs. For the Adelmann project, the contingencies were achieving 7.05 lbs/phosphorus/yr reduction and receiving finalized designs. Funding for the Kingston project is also contingent upon receiving a detailed design and bid from a licensed contractor and achieving a 3.7 lbs-phosphorus/yr reduction to the lake. Should the phosphorus reductions lower for either project, the cost share rate would lower as well.

Terry Kingston will also be working with Steve Bohl to address the fill on lots 4 and 5. His contractor is currently working on putting together a preliminary plan and budget.

Bohland Construction was hoping to install the ravine stabilization this year but unfortunately their construction crews had already laid off their staff for the winter. They plan to resume stabilization efforts in spring 2024.

### **Watershed-based Implementation Fund (WBIF) FY21 Grants**

*Update:* No update.

*Previous:* Both the North Fork Crow Watershed and South Fork Crow Watershed WBIF Grants have a grant period ending on December 31, 2023. County and BWSR staff met in September to discuss the need for a 1-year extension, which was submitted in eLINK last week. BWSR staff verbally committed to



approving that extension, which will extend the grant period to December 31, 2024. BWSR staff recommended a work plan amendment also be executed this winter as grant activities and budget have changed since the last one in winter 2022-2023.

## **Dance Hall Creek Clean Water Fund Updates**

*Update:* No update.

*Previous:* Staff attempted to contact all landowners that would be involved in restoration activities for BMPs #1 and #2 to obtain permission for survey work, but were only able to gain permission from four. Nine letters were also sent to landowners south of the original study area in late November informing them of the potential projects and asking for permission to access their properties. Below is an overall timeline of outreach activities this year:

- **Early May:** Emails and phone calls to reestablish contact
- **June through July:** Site visits to three properties and one Teams call
- **August:** Sent out draft letters of support and asked for signatures; another email went out in late August to communicate decision to not apply for a CWF grant
- **November:** Scope of work signed for Dance Hall Creek. Emails, letters, and phone calls to all parties that would be involved in survey work. Removed the letter "A" from the report.

## **Subwatershed Assessments**

### **Spurzem Creek Subwatershed Assessment**

*Update:* No update.

*Previous:* Report was substantially completed over the winter, incorporating comments providing by partners. The County met with MPCA staff regarding concerns with BMP installations in/near the Woodlake landfill in Medina. These concerns were incorporated into the draft and staff plan to make this available to partners soon.

### **Lake Rebecca Subwatershed Assessment**

*Update:* The Lake Rebecca SWA was submitted to the Commission and has been finalized.

*Previous:* County staff have received a revised draft of the subwatershed assessment and are in the process of reviewing it.

## **Projects & Outreach**

### **Lake Rebecca/Zuhrah Shrine Horsemen (ZSH) (4505 CR 92, Independence) BMPs**

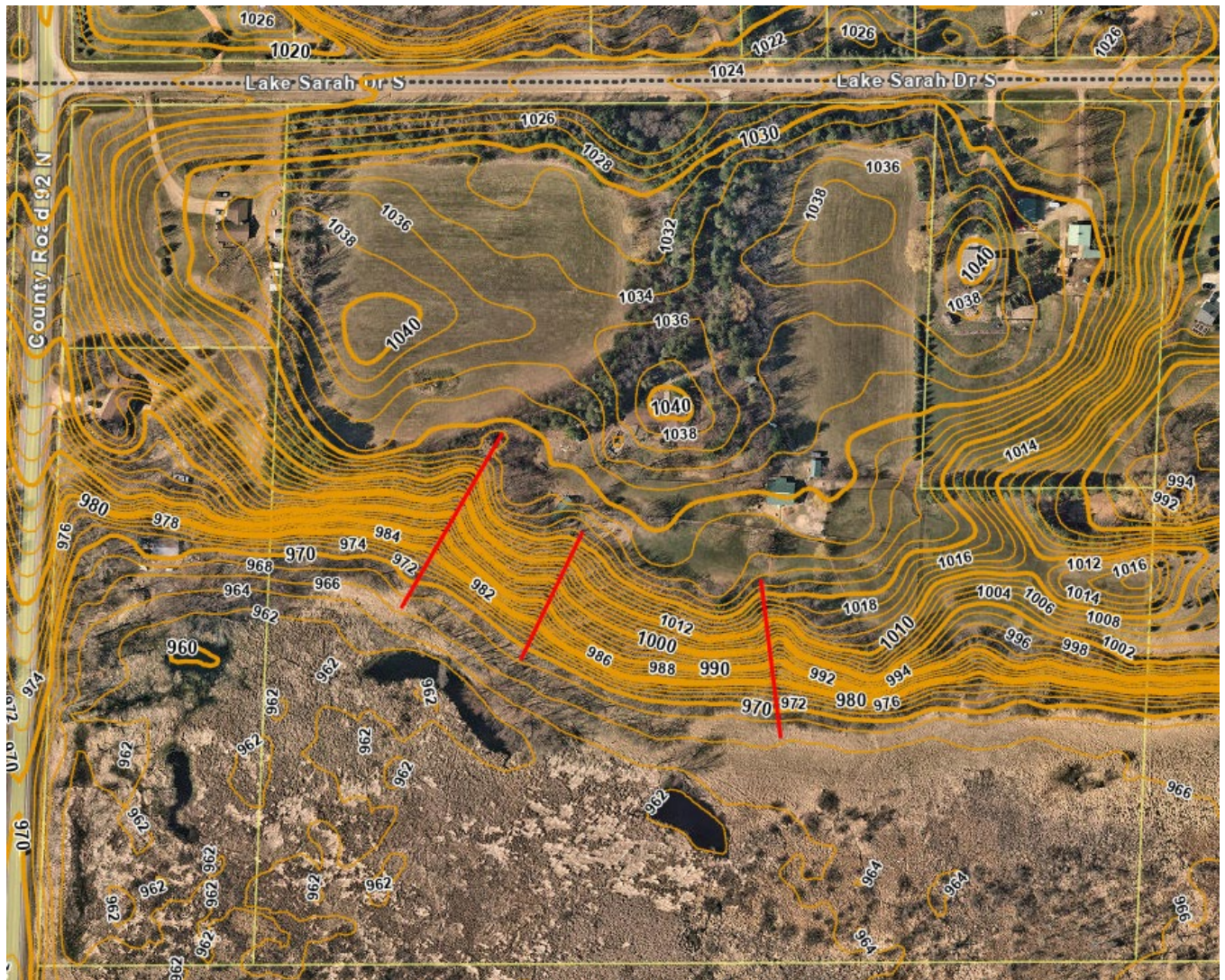
*Update:* The fence was inspected and approved and Horsemen were reimbursed for the material costs while banking their labor on the project as match. Staff have gotten approvals for sediment cores for all but one of the landowners in the surrounding area. Given that we did not get a hard freeze, this process has been delayed until late spring or early summer.

*Previous:* ZSH are nearly halfway done with fencing installation. They are working with TRPD to facilitate access to their property to help fix the culvert on park lands. County staff have reached out to neighbors about collecting sediment cores but have not heard back.

**Treschel Gully Erosion (7455 Lake Sarah Drive S, Independence)**

*New:* County staff have been working with Laura Treschel (across the street from ZSH) who noticed several gullies forming in the wooded section of her property. The pictures below are the easternmost gully and the western gully. On average, the eastern gully is 200 feet in length and the western gully is 100 feet in length. The width for both gullies are around 15-20 feet. Pictures and approximate locations of the gullies are below.

Staff have surveyed the gullies and are working on pollution reduction estimates to see if there is an adequate water quality benefit.



*Approximate location of the three gullies.*





*Gully that is furthest west. Length is estimated to be 200 feet and width is 15-20 feet.*



*Smaller gully on the west side of the property. Length is estimated to be 100 feet and width is 15-20 feet.*



*Gully that is furthest east. Length is estimated to be 200 feet and width is 15-20 feet.*

## **Vinland National Center**

*Update:* EOR has developed preliminary designs for two rain gardens in front of the parking lot and drainage improvements for the western portion of the building. Staff are working with the maintenance supervisor to get feedback on designs. Staff also plan to survey the wetland near the west to understand storage in the next few weeks.

*Previous:* EOR is working on the preliminary designs, and met with county staff on December 13th. We're exploring several BMP options across the property, including three rain gardens and an iron-enhanced sand filter, among others. Some additional unknowns have come up, notably soil types and infiltration rates in/around the rain gardens and survey points around the wetland where a potential BMP may go. EOR and County staff conducted additional field and survey work the week of December 18-22 but were unable to get depths for the wetland behind the building due to the ice. Staff are hoping to have preliminary design options and cost estimates by the February Commission meeting.

## **Anderson Wildlife Pond and Habitat Improvement Project**

*Update:* No update.

*Previous:* County staff have been working with Bill Anderson, 6476 Fogelman Road in Independence, to assist him in developing a strategy to improve the wildlife value of uplands and lowlands on his property, notably including the removal of invasive species in his oak forest and restoration of a wetland adjacent to County 90. This project has a habitat focus but provides some water quality value and is within the Lake Independence subwatershed, which is a Commission priority. County staff plan to engage the Commission engineer in the coming weeks for guidance on permitting and some of the technical aspects of the project. Implementation within the wetland would likely occur in the late fall or winter when its safe for heaving equipment.

## **Outreach programming**

### *2024 soil health open house*

*Update:* County staff are planning a soil health event for farmers on April 11<sup>th</sup> from 4:30-6:30pm at the City of Independence Community Center. Keith Olander from AgCentric will talk on how farmers can add cover crops to their operations and also discuss economic considerations of cover crops. The presentation will begin at 4:30pm. After the presentation, farmers can speak with county staff and other partners that are attending, including NRCS and FSA.

Free pizza will be served. Staff will also raffle off free bird and bat houses and a signup for free soil testing will be available.

## **Other Environment and Energy Programming Notes:**

- a. Hennepin County receives funding from the State of Minnesota to manage the spread of aquatic invasive species, such as zebra mussels and Eurasian watermilfoil.

In 2023, Hennepin County leveraged this funding in a variety of ways, including to expand watercraft inspections, build partnerships, give presentations, conduct education and training, provide grants, reach garden centers and pet stores, promote actions to prevent the spread of aquatic invasive species, initiate projects, and more.

Specific highlights in 2023 include:

- a. More than 18,000 inspections funded by Hennepin County were conducted at 28 different water accesses.
- b. About 25,000 tool uses occurred at CD3 waterless cleaning systems, which are available at 44% of water accesses with trailer access.
- c. 794 people on 23 lakes and the Mississippi River have taken the pledge to prevent the spread of aquatic invasive species through lakepledge.com.
- d. 200 people were reached through county staff presentations.
- e. 27 people participated in aquatic invasive species detector classes.
- f. A new infestation of Eurasian watermilfoil was discovered and addressed via a rapid response plan on Sweeney Lake.
- g. 3 educational projects were started in 2023 and will be completed in 2024.

Read details of all AIS prevention efforts in the 2023 AIS Accomplishments report (PDF). Link: <https://www.hennepin.us/-/media/hennepinus/business/conservation/accomplishments-report.pdf>

- b. Hennepin County is installing two solar arrays at the Adult Corrections Facility later this year as part of the county's effort to increase renewable energy use and meet climate-action goals. Using recommendations from a solar feasibility study conducted last year, new solar arrays are also planned for several libraries, maintenance facilities, service centers, and NorthPoint Health and Wellness Center.

By 2025, the county is on track to have 10 times more solar panels on county building capable of generating 25 times more clean energy than it has now.

- c. Join Blue Thumb for an upcoming workshop to get resources and one-on-one guidance on designing with native plants, redirecting runoff, and more. A variety of in person and online workshops focused on turf alternatives, resilient shorelines, and resilient yards are planned in Minneapolis, Minnetonka, Plymouth, and St. Louis Park this March and April.

Link: <https://bluethumb.org/events/>