



# Grant Progress Report

## Watershed Based Implementation 2024

**Grant Title:** 2024 Le Sueur River Watershed WBIF

**Grant ID:** C24-0091

**Grantee:** Waseca SWCD

**Fiscal Agent:** Waseca SWCD

**Grant Day-to-Day Contact:** Mark Schaetzke

**Grant Award (\$):** \$1,355,872.00

**Required Match (%):** 10

**Required Match (\$):** \$135,587.20

**Grant Execution Date:** 02/15/2024

**Grant End Date:** 12/31/2026

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$1,355,872.00	\$629,822.83	\$726,049.17
Match Funds	\$271,194.50	\$225,000.19	\$46,194.31
Other Funds	\$16,250.00	\$0.00	\$16,250.00
<b>Total</b>	<b>\$1,643,316.50</b>	<b>\$854,823.02</b>	<b>\$788,493.48</b>

\*Grant balance remaining is the difference between the Awarded Amount and the Spent Amount. Other values compare budgeted and spent amounts.

### Project Abstract

The Le Sueur River Comprehensive Watershed Management Plan (LSRCWMP) is a unifying strategy for water management in the Le Sueur River Watershed (LSRW). The LSRCWMP focuses on restoring impaired waters and habitats, protecting high quality lakes, reducing peak flows through water storage, and protecting groundwater quality through resource management. The LSRCWMP was developed according to the State's One Watershed, One Plan program, approved by the Minnesota Board of Water and Soil Resources (BWSR) on August 24, 2023, and adopted by the Le Sueur River Policy Advisory Committee (LSRPAC) on October 27, 2023.

The LSRCWMP will direct activities within the LSRW over the next ten years (2024-2034). This policy should be reviewed every two years, and may be altered at any time, pending review and approval by the LSRPAC. The policy establishes an administrative process and funding limits when LSRW funds are provided to landowners, or land occupiers, for the installation of projects and practices.

**Proposed Measurable Outcomes**

Implement programs and practices per the plan for estimated reductions of 200.94 tons/yr of TSS, 1,123.71 lbs/yr TP, and 20,415.97 lbs/yr of TN will be achieved. Reductions calculated using Watershed Pollutant Load Reduction Calculator.

**Budget Details**

<i>Activity Name</i>	<i>Category</i>	<i>Source Type</i>	<i>Source Description</i>	<i>Budgeted</i>	<i>Spent</i>	<i>Balance Remaining</i>	<i>Match Fund?</i>
Conservation Drainage	Conservation Drainage	Local Fund	Local Funds	\$733.00		\$733.00	Y
Special Projects	Special Projects	Local Fund	County Ditch System funds	\$16,250.00		\$16,250.00	N
Administration	Administration/Coordination	Current State Grant	2024 Le Sueur River Watershed WBIF	\$120,000.00	\$22,220.56	\$97,779.44	N
Agricultural Practices	Agricultural Practices	Current State Grant	2024 Le Sueur River Watershed WBIF	\$256,490.00	\$8,100.18	\$248,389.82	N
Conservation Drainage	Conservation Drainage	Current State Grant	2024 Le Sueur River Watershed WBIF	\$22,000.00		\$22,000.00	N
Education/Information	Education/Information	Current State Grant	2024 Le Sueur River Watershed WBIF	\$75,000.00	\$612.04	\$74,387.96	N
Well Sealing	Groundwater	Current State Grant	2024 Le Sueur River Watershed WBIF	\$27,000.00	\$4,793.75	\$22,206.25	N
Freeborn SSTS Inventory	Inventory/Mapping	Current State Grant	2024 Le Sueur River Watershed WBIF	\$10,182.00		\$10,182.00	N
Non Structural Practices - Ag Practices	Non-Structural Management Practices	Current State Grant	2024 Le Sueur River Watershed WBIF	\$402,450.00	\$391,569.50	\$10,880.50	N
Planning/Assessment	Planning and Assessment	Current State Grant	2024 Le Sueur River Watershed WBIF	\$50,000.00	\$69.41	\$49,930.59	N
Project Development	Project Development	Current State Grant	2024 Le Sueur River Watershed WBIF	\$50,000.00	\$4,379.38	\$45,620.62	N
Special Projects	Special Projects	Current State Grant	2024 Le Sueur River Watershed WBIF	\$48,750.00		\$48,750.00	N
Shoreline	Streambank or Shoreline Protection	Current State Grant	2024 Le Sueur River Watershed WBIF	\$6,500.00		\$6,500.00	N
SSTS	Subsurface Sewage Treatment Systems	Current State Grant	2024 Le Sueur River Watershed WBIF	\$205,200.00	\$175,446.17	\$29,753.83	N
Technical/Engineering	Technical/Engineering	Current State Grant	2024 Le Sueur River Watershed WBIF	\$79,800.00	\$22,631.84	\$57,168.16	N

<i>Activity Name</i>	<i>Category</i>	<i>Source Type</i>	<i>Source Description</i>	<i>Budgeted</i>	<i>Spent</i>	<i>Balance Remaining</i>	<i>Match Fund?</i>
Assistance	Assistance						
Wetland Restoration	Wetland Restoration/Creation	Current State Grant	2024 Le Sueur River Watershed WBIF	\$2,500.00		\$2,500.00	N
Agricultural Practices	Agricultural Practices	Federal Funds	EQIP, Fishers and Farmers, 319	\$12,825.00		\$12,825.00	Y
Conservation Drainage	Conservation Drainage	Federal Funds	EQIP, Fishers and Farmers, 319	\$733.00		\$733.00	Y
Non Structural Practices - Ag Practices	Non-Structural Management Practices	Federal Funds	EQIP, Fishers and Farmers, 319	\$11,872.00		\$11,872.00	Y
Shoreline	Streambank or Shoreline Protection	Federal Funds	EQIP, Fishers and Farmers, 319	\$325.00		\$325.00	Y
Wetland Restoration	Wetland Restoration/Creation	Federal Funds	Federal Match through NRCS, FSA, F&F	\$125.00		\$125.00	Y
Agricultural Practices	Agricultural Practices	Landowner Fund	Landowner Match	\$12,825.00	\$1,848.69	\$10,976.31	Y
Conservation Drainage	Conservation Drainage	Landowner Fund	Landowner Match	\$734.00		\$734.00	Y
Well Sealing	Groundwater	Landowner Fund	Landowner Match	\$13,500.00	\$6,193.75	\$7,306.25	Y
Non Structural Practices - Ag Practices	Non-Structural Management Practices	Landowner Fund	Landowner Match	\$11,872.50		\$11,872.50	Y
Shoreline	Streambank or Shoreline Protection	Landowner Fund	Landowner Match	\$325.00		\$325.00	Y
SSTS	Subsurface Sewage Treatment Systems	Landowner Fund	Landowner Match	\$205,200.00	\$216,957.75	(\$11,757.75)	Y
Wetland Restoration	Wetland Restoration/Creation	Landowner Fund	Landowner Match	\$125.00		\$125.00	Y

<i>Indicator Category</i>	<i>Proposed Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Pollution Prevention	Prevention	10	Count
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	459.4	Lbs/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	4.71	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	11.26	Tons/Yr
Water Pollution (Reduction Estimates)	Nitrogen	16229	Lbs/Yr
Water Pollution (Reduction Estimates)	Nitrogen	341.6	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	70.041	Tons/Yr
Water Pollution (Reduction Estimates)	Total Suspended Solids (TSS)	119.63	Mg/L
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	4.1	Tons/Yr

<i>Indicator Category</i>	<i>Final Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Pollution Prevention	Prevention	1	Count
Water Pollution (Reduction Estimates)	BOD 5	6334	Lbs/Yr
Water Pollution (Reduction Estimates)	Nitrogen	401	Lbs/Yr
Water Pollution (Reduction Estimates)	Pathogens (E. Coli)	1143000000000000	Cfu
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	168	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	2.5	Tons/Yr
Water Pollution (Reduction Estimates)	Total Suspended Solids (TSS)	281	Mg/L
Water Pollution (Reduction Estimates)	Nitrogen	19478	Lbs/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	1044.37	Lbs/Yr

Indicator Category	Proposed Indicator	Total Value	Unit
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	600.03	Lbs/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	64.28	Lbs/Yr
Water Pollution (Reduction Estimates)	Nitrogen	3845.37	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	4.1	Tons/Yr
Pollution Prevention	Prevention	15	Count
Pollution Prevention	Prevention	10	Count

Indicator Category	Final Indicator	Total Value	Unit
Water Pollution (Reduction Estimates)	Sediment (Tss)	146.409	Tons/Yr
Water Pollution (Reduction Estimates)	Nitrogen	8.1	Lbs/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	1.2	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	0.2	Tons/Yr

## Grant Activities

### Activity Name: Administration

**Activity Category:** Administration/Coordination

**Staff time?:** Yes

**Description:** Waseca County, as Plan Coordinator, will manage administrative duties as listed in the Joint Powers Agreement signed by all participating parties. Waseca SWCD, as fiscal agent, will administer fiscal responsibilities for the grant per the Joint Powers Agreement and Fiscal Agent Agreement signed by participating parties.

Estimating \$1,500 of funds required for hosting meetings (PAC, LIT, TAC), and supplies.

#### Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2024 Le Sueur River Watershed WBIF	\$120,000.00	\$22,220.56	\$97,779.44	05/09/2025	N

**Actual Results**

<u>Results</u>	<u>Date Added</u>
2024 1st Qtr (2/15/24-4/1/24) Admin Hours working on forms Waseca Co. \$2354.00 Inv#2024WBIF-WasC-01-24 Ck#11941, Waseca SWCD Inv #2024WBIF-WasS-01-24 \$446.49	5/16/2024 8:35:28 AM
2024 3rd Qtr Admin Hours working on forms and elink Inv# WasS-03-24 \$3893.96 and for Inv#WasC-03-24 \$1112.75 Ck#11999 for Waseca County 3rd Qtr.	10/11/2024 12:00:00 AM
2024 2nd Qtr Admin Hours working on paperwork Inv#WasC-02-24 \$5919.76 Ck #11965 and Inv#WasS-02-24 \$1791.55	7/12/2024 12:00:00 AM
2024 4th qtr Admin hours working with forms and files Waseca SWCD Inv# WasS-04-24 \$2019.11+ WasS-04-24Add \$370.21, Waseca County Inv# WasC-04-24 for \$400.59 ck#12080	1/9/2025 12:00:00 AM
2025 1st Qtr Admin Hours working on forms, updating files and writing and sending checks, Inv#WasS-01-25 \$2514.06	4/11/2025 11:03:00 AM
2025 1st Qtr Waseca County admin hours working on project documentation. WasC-01-25 \$1,398.08 ck#12138	5/9/2025 1:03:54 PM

## Activity Name: Agricultural Practices

**Activity Category:** Agricultural Practices

**Staff time?:** No

**Description:** Practices in this category to include those listed in Table 4.1, BMP Implementation, pg.126-143 in the Plan.

Practices (Practice Standard) to include Perennial Cover (327, 393, 342, 512), Grassed Waterway (412), WASCOBs (638), Terraces (600), Ponds/Impoundments (378), Alternative Side Inlets (410), Grade Stabilization Structures (410).

Section 4, pg.119, of the Plan details the methodology, cost estimates and criteria for project targeting. 7. All projects will have technical approval authority sign-off by credentialed staff or NRCS Job Approval Authority or TSA/ private engineer. Producers will enter into contracts for structural agricultural practices that meet NRCS practice standards or professionally accepted engineering standards. Table 4.1, BMP Implementation, pg. 125 lays out the estimated necessary values for project implementation to meet Plan pollution reduction estimates. Project implementation estimates for the first biennium account for the cost of installation for 90 acres in perennial cover, 5280 linear feet of Grassed Waterway, 5 WASCOBs and/or Terraces, 4 Ponds/Impoundments, 20 Alternative Side Intakes, and 1 Riparian Grade Stabilization Structure.

Practices implemented through Federal programs including the Environmental Quality Incentives Program (EQIP) and EPA 319 will be used to match State Funding. Match sources may also include the Ditch Authority, Counties or SWCDs (if non state funds).

Additional details available in local cost share policy attached to workplan.

### Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Federal Funds	EQIP, Fishers and Farmers, 319	\$12,825.00		\$12,825.00		Y
Landowner Fund	Landowner Match	\$12,825.00	\$1,848.69	\$10,976.31	11/15/2024	Y
Current State Grant	2024 Le Sueur River Watershed WBIF	\$256,490.00	\$8,100.18	\$248,389.82	11/14/2024	N

### Actual Results

<u>Results</u>	<u>Date Added</u>
11/14/24 LS-24-81-03 Landowner amount \$1,848.69 grant amount \$8,100.18 pd on WASCOB project.	11/15/2024 11:56:19 AM

Final Indicators		
<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Sediment (Tss)	0.2	Tons/Yr
Phosphorus (Est. Reduction)	1.2	Lbs/Yr
Nitrogen	8.1	Lbs/Yr

Activity Action Name: LS-24-81-03	Activity Count: 1
Practice Type: 638 - Water and Sediment Control Basin	Size/Units: 1 - Count
TA Provider/JAA: NRCS	Lifespan: 10 Years
Practice Description: installed on water and sediment control basin and supporting practices	Install Date: 11/14/2024
	Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	1.2	HSPF SAM - 8 Digit HUC	middle Le Sueur River
Sediment (Tss)	Tons/Yr	0.2	HSPF SAM - 8 Digit HUC	Middle Le Sueur River
Nitrogen	Lbs/Yr	8.1	HSPF SAM - 8 Digit HUC	Middle Le Sueur River

## Activity Name: Conservation Drainage

**Activity Category:** Conservation Drainage

**Staff time?:** No

**Description:** Practices in this category to include those listed in Table 4.1, BMP Implementation, pg.126-143 in the Plan.

Practices (Practice Standard) to include Alternative Tile Intakes (606) and Conservation Drainage/Saturated Buffers (604).

Section 4, pg.119, of the Plan details the methodology, cost estimates and criteria for project targeting. All projects will have technical approval authority sign-off by credentialed staff or NRCS Job Approval Authority or TSA/ private engineer. Producers will enter into contracts for structural agricultural practices that meet NRCS practice standards or professionally accepted engineering standards. Table 4.1, BMP Implementation, pg. 125 lays out the estimated necessary values for project implementation to meet Plan pollution reduction estimates. Project implementation estimates for the first biennium account for the cost of installation for 4 Alternative Tile Intakes, and 1 Saturated Buffer Project.

Practices implemented through Federal programs including the Environmental Quality Incentives Program (EQIP) and EPA 319 will be used to match State Funding. Match sources may also include the Ditch Authority, Counties or SWCDs (if non state funds).

Additional details available in local cost share policy attached to workplan.

### Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2024 Le Sueur River Watershed WBIF	\$22,000.00		\$22,000.00		N
Landowner Fund	Landowner Match	\$734.00		\$734.00		Y
Local Fund	Local Funds	\$733.00		\$733.00		Y
Federal Funds	EQIP, Fishers and Farmers, 319	\$733.00		\$733.00		Y

## Activity Name: Education/Information

Activity Category: Education/Information

Staff time?: Yes

**Description:** The outreach and education implementation schedule (Table 4.2, pg144-147) contains items that go above and beyond basic outreach efforts to enroll landowners in programs and practice implementation. While landowner participation in projects and practices is a goal of the action items in this table, the goals extend past that with a focus on having one-on-one conversations, building relationships, and providing educational opportunities for the public. Providing these opportunities will encourage an overall conservation-based mindset for individuals, which is more likely to create behavior changes that benefit the Watershed's natural resources. This implementation schedule also details what actions will be implemented, when they will be implemented, which local government unit will lead the effort, and the estimated costs. Narrative from pg119 of the Plan.

Purchase or build a 3D water table to bring to county fairs and educational events. - \$20,000 budgeted (O&E 1.17, pg. 147)

Estimated \$15,000 of expenses for outreach and education, including hosting meetings and events and creation and distribution of materials.

### Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2024 Le Sueur River Watershed WBIF	\$75,000.00	\$612.04	\$74,387.96	04/01/2024	N

### Actual Results

<u>Results</u>	<u>Date Added</u>
Waseca Co. Inv#2024WBIF-WasC-01-24 \$612.04 on Outreach material development ck#11941	5/16/2024 8:41:28 AM

## Activity Name: Freeborn SSTS Inventory

**Activity Category:** Inventory/Mapping

**Staff time?:** Yes

**Description:** Complete a septic system compliance inventory of homes with non-permitted SSTS to locate imminent health threats within Freeborn County. Table 4.3: Data and Studies Implementation pg. 149.

Activities in this category will be contracted.

### Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2024 Le Sueur River Watershed WBIF	\$10,182.00		\$10,182.00		N

## Activity Name: Non Structural Practices - Ag Practices

**Activity Category:** Non-Structural Management Practices

**Staff time?:** No

**Description:** Practices in this category to include those listed in Table 4.1, BMP Implementation, pg126-143 in the Plan.

Practices (Practice Standard) will include Cover Crops (340), Residue and Tillage Management: No-Till and Strip-Till (329).

Section 4, pg.119, of the Plan details the methodology, cost estimates and criteria for project targeting. All projects will have technical approval authority sign-off by credentialed staff or NRCS Job Approval Authority. Practices will be developed and installed consistent with NRCS FOTG or other professionally accepted ecological practices. Table 4.1, BMP Implementation, pg. 125 lays out the estimated necessary values for project implementation to meet Plan pollution reduction estimates. Project implementation estimates for the first biennium account for the cost to install 950 acres of cover crops, 950 acres of reduced tillage (no-till and strip till).

Practices implemented through Federal programs including the Environmental Quality Incentives Program (EQIP) and EPA 319 will be used to match State Funding. Match sources may also include the Ditch Authority, Counties or SWCDs (if non state funds).

Additional details available in local cost share policy attached to workplan.

### Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Federal Funds	EQIP, Fishers and Farmers, 319	\$11,872.00		\$11,872.00		Y
Current State Grant	2024 Le Sueur River Watershed WBIF	\$402,450.00	\$391,569.50	\$10,880.50	06/12/2025	N
Landowner Fund	Landowner Match	\$11,872.50		\$11,872.50		Y

### Actual Results

<u>Results</u>	<u>Date Added</u>
December 2024-Approved for Payment to pay landowners full payments for No-Till/Strip-Till Contract Vouchers: LS-24-43-12 Check #12055-\$15,540.00, LS-24-43-10 Check #12053-\$20,265.00, LS-24-43-07 Check #12050-\$19,320.00, LS-24-43-06 Check #12049-\$36,330.00	12/16/2024 8:34:59 AM

**Results**

**Date Added**

December 2024-Approved for Payment to pay landowners for Cover Crop Contract Vouchers: LS-24-81-01 Check #12057-\$44,265.00, LS-24-81-05 Check #12058-\$5,600.00, LS-24-81-09 Check #12056-\$1,643.25, LS-24-43-08 Check #12051-\$16,380.00, LS-24-43-09 Check #12052-\$7,700.00, LS-24-43-11 Check #12054-\$37,635.00, LS-24-43-05 Check #12048-#24,375.00

12/16/2024 8:04:34 AM

2024 totals 19 total Contracts with 11 contracts paid full payment of \$229,053.25 and 8 contracts due to complete in 2025.

12/18/2024 10:49:58 AM

February 2025-Approved for Payment to pay landowners full payment for Cover Crop Contract Vouchers: LS-24-07-20 Check #12089-\$42,315, LS-24-07-21 Check #12090-\$12,343.50

2/13/2025 12:00:00 AM

April 2025-Approved for payment to pay landowners in full for 3 year Cover Crop Contracts #LS-24-07-22 Check #12124 \$55,789.50, #LS-24-07-23 Check #12125 \$30,166.50

4/11/2025 11:11:29 AM

June 2025-Approved For payment LS24-81-04 ck#12156 \$2,000.00, LS-24-81-06 ck#12159 \$7,306.50, LS24-81-07 ck#12158 \$10,081.50, LS24-81-08 ck#12157 \$2,513.75

6/13/2025 3:36:00 PM

**Final Indicators**

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Sediment (Tss)	146.409	Tons/Yr
Nitrogen	19478	Lbs/Yr
Phosphorus (Est. Reduction)	1044.37	Lbs/Yr

Activity Action Name:	LS-24-43-12	Activity Count: 1
Practice Type:	329 - Residue & Tillage Management (no/strip-till)	Size/Units: 148 - Acres
TA Provider/JAA:	SWCD	Lifespan: 3 Years
Practice Description:	148 acres for 3 years. Same fields for all three years.	Install Date: 11/12/2024
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	2.8	HSPF SAM - 8 Digit HUC	Middle Maple River
Phosphorus (Est. Reduction)	Lbs/Yr	23.9	HSPF SAM - 8 Digit HUC	Middle Maple River
Nitrogen	Lbs/Yr	182.1	HSPF SAM - 8 Digit HUC	Middle Maple River

Activity Action Name:	LS-24-81-04	Activity Count: 1
Practice Type:	329 - Residue & Tillage Management (no/strip-till)	Size/Units: 80 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	80 acres of no-till for one year	Install Date:
		Mapped: Yes

Activity Action Name:	LS-24-81-05	Activity Count: 1
Practice Type:	340 - Cover Crop	Size/Units: 160 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	160 acres of cover crop for 1 year	Install Date: 10/23/2024
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	7.582	HSPF SAM - 8 Digit HUC	Middle Cobb River
Phosphorus (Est. Reduction)	Lbs/Yr	18.45	HSPF SAM - 8 Digit HUC	Middle Cobb River
Nitrogen	Lbs/Yr	1252	HSPF SAM - 8 Digit HUC	Middle Cobb River

Activity Action Name:	LS-24-81-09	Activity Count: 1
Practice Type:	340 - Cover Crop	Size/Units: 46.95 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	cover crops for 46.95 acres for one year	Install Date: 10/23/2024
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	5.42	HSPF SAM - 8 Digit HUC	Middle Cobb River
Nitrogen	Lbs/Yr	367.9	HSPF SAM - 8 Digit HUC	Middle Cobb River
Sediment (Tss)	Tons/Yr	2.227	HSPF SAM - 8 Digit HUC	Middle Cobb River

Activity Action Name:	LS-24-43-09	Activity Count: 1
Practice Type:	340 - Cover Crop	Size/Units: 70 - Acres
TA Provider/JAA:	SWCD	Lifespan: 2 Years
Practice Description:	70 acres of cover crop for 2 years. Same field for two years.	Install Date: 08/31/2024
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	5.9	HSPF SAM - 8 Digit HUC	Middle Maple River
Nitrogen	Lbs/Yr	161.6	HSPF SAM - 8 Digit HUC	Middle Maple River
Sediment (Tss)	Tons/Yr	0.9	HSPF SAM - 8 Digit HUC	Middle Maple River

Activity Action Name:	LS-24-43-07	Activity Count: 1
Practice Type:	329 - Residue & Tillage Management (no/strip-till)	Size/Units: 184 - Acres
TA Provider/JAA:	SWCD	Lifespan: 3 Years
Practice Description:	no-till on 184 acres for 3 years. Same fields for all three years	Install Date: 10/25/2024
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	34.3	HSPF SAM - 8 Digit HUC	Upper Maple River
Sediment (Tss)	Tons/Yr	3.6	HSPF SAM - 8 Digit HUC	Upper Maple River
Nitrogen	Lbs/Yr	246.9	HSPF SAM - 8 Digit HUC	Upper Maple River

Activity Action Name:	LS-24-43-06	Activity Count: 1
Practice Type:	329 - Residue & Tillage Management (no/strip-till)	Size/Units: 346 - Acres
TA Provider/JAA:	SWCD	Lifespan: 3 Years
Practice Description:	No till on 346 acres for three years ((1038 acres total) - Same fields for all three years. Acres in Sec 8 and Sec 21 of Barber Twp	Install Date: 10/25/2024
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nitrogen	Lbs/Yr	760.2	HSPF SAM - 8 Digit HUC	Middle Maple River
Sediment (Tss)	Tons/Yr	4.3	HSPF SAM - 8 Digit HUC	Middle Maple River
Phosphorus (Est. Reduction)	Lbs/Yr	20.1	HSPF SAM - 8 Digit HUC	Middle Maple River

Activity Action Name:	LS-24-43-05 year 1	Activity Count: 1
Practice Type:	340 - Cover Crop	Size/Units: 125 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	Cover crops on 125 acres for three years- year 1 of 3. Fields will be rotated. Section 8 and Section 21 of Barber Twp	Install Date: 10/26/2024
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	139.4	HSPF SAM - 8 Digit HUC	Middle Maple River
Sediment (Tss)	Tons/Yr	13.2	HSPF SAM - 8 Digit HUC	Middle Maple River
Nitrogen	Lbs/Yr	1136.1	HSPF SAM - 8 Digit HUC	Middle Maple River

Activity Action Name:	LS-24-43-05 Year 2	Activity Count: 1
Practice Type:	340 - Cover Crop	Size/Units: 125 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	Cover crops on 125 acres for three years- year 2 of 3. Fields will be rotated. Section 8 and Section 21 of Barber Twp	Install Date: 11/01/2025
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	13.2	HSPF SAM - 8 Digit HUC	Middle Maple River
Nitrogen	Lbs/Yr	1136.1	HSPF SAM - 8 Digit HUC	Middle Maple River
Phosphorus (Est. Reduction)	Lbs/Yr	139.4	HSPF SAM - 8 Digit HUC	Middle Maple River

Activity Action Name:	LS-24-43-05 year 3	Activity Count: 1
Practice Type:	340 - Cover Crop	Size/Units: 125 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	Cover crops on 125 acres for three years- year 3 of 3. Fields will be rotated. Section 8 and Section 21 of Barber Twp	Install Date: 11/01/2026
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	13.2	HSPF SAM - 8 Digit HUC	Middle Maple River
Nitrogen	Lbs/Yr	1136.1	HSPF SAM - 8 Digit HUC	Middle Maple River
Phosphorus (Est. Reduction)	Lbs/Yr	139.4	HSPF SAM - 8 Digit HUC	Middle Maple River

Activity Action Name:	LS-24-43-08	Activity Count: 1
Practice Type:	340 - Cover Crop	Size/Units: 84 - Acres
TA Provider/JAA:	SWCD	Lifespan: 3 Years
Practice Description:	84 acres cover crop for 3 years. Same field for three years.	Install Date: 10/25/2024
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	16.2	HSPF SAM - 8 Digit HUC	Upper Maple River
Nitrogen	Lbs/Yr	611.1	HSPF SAM - 8 Digit HUC	Upper Maple River
Sediment (Tss)	Tons/Yr	2.9	HSPF SAM - 8 Digit HUC	Upper Maple River

Activity Action Name:	LS-24-43-10 year 2	Activity Count: 1
Practice Type:	329 - Residue & Tillage Management (no/strip-till)	Size/Units: 193 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	193 acres of no-till for three years. year 2 of 3. Fields will rotate.	Install Date: 11/30/2025
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	7.4	HSPF SAM - 8 Digit HUC	Middle Maple River
Phosphorus (Est. Reduction)	Lbs/Yr	90.6	HSPF SAM - 8 Digit HUC	Middle Maple River
Nitrogen	Lbs/Yr	758	HSPF SAM - 8 Digit HUC	Middle Maple River

Activity Action Name:	LS-24-43-10 year 1	Activity Count: 1
Practice Type:	329 - Residue & Tillage Management (no/strip-till)	Size/Units: 193 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	193 acres of no-till for three years. year 1 of 3. Fields will rotate.	Install Date: 10/27/2024
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nitrogen	Lbs/Yr	758	HSPF SAM - 8 Digit HUC	Middle Maple River
Phosphorus (Est. Reduction)	Lbs/Yr	90.6	HSPF SAM - 8 Digit HUC	Middle Maple River
Sediment (Tss)	Tons/Yr	7.4	HSPF SAM - 8 Digit HUC	Middle Maple River

Activity Action Name:	LS-24-43-11 year 1	Activity Count: 1
Practice Type:	340 - Cover Crop	Size/Units: 193 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	cover crops on 193 acres for three years (579 acres total)	Install Date: 10/27/2024
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	53.1	HSPF SAM - 8 Digit HUC	Middle Maple River
Nitrogen	Lbs/Yr	1810.3	HSPF SAM - 8 Digit HUC	Middle Maple River
Sediment (Tss)	Tons/Yr	10.9	HSPF SAM - 8 Digit HUC	Middle Maple River

Activity Action Name:	LS-24-43-10 year 3	Activity Count: 1
Practice Type:	329 - Residue & Tillage Management (no/strip-till)	Size/Units: 193 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	193 acres of no-till for three years. year 3 of 3. Fields will rotate.	Install Date: 11/30/2026
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nitrogen	Lbs/Yr	758	HSPF SAM - 8 Digit HUC	Middle Maple River
Phosphorus (Est. Reduction)	Lbs/Yr	90.6	HSPF SAM - 8 Digit HUC	Middle Maple River
Sediment (Tss)	Tons/Yr	7.4	HSPF SAM - 8 Digit HUC	Middle Maple River

Activity Action Name:	LS-24-43-11 year 2	Activity Count: 1
Practice Type:	340 - Cover Crop	Size/Units: 193 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	193 acres of luscious cover crop. Year 2 of 3. Fields will rotate.	Install Date: 11/01/2025
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nitrogen	Lbs/Yr	1810.3	HSPF SAM - 8 Digit HUC	Middle Maple River
Phosphorus (Est. Reduction)	Lbs/Yr	53.1	HSPF SAM - 8 Digit HUC	Middle Maple River
Sediment (Tss)	Tons/Yr	10.9	HSPF SAM - 8 Digit HUC	Middle Maple River

Activity Action Name:	LS-24-43-11 year 3	Activity Count: 1
Practice Type:	340 - Cover Crop	Size/Units: 193 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	cover crops on 193 acres for three years (579 acres total). Year 3 of 3. Fields will rotate	Install Date: 11/01/2026
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nitrogen	Lbs/Yr	1810.3	HSPF SAM - 8 Digit HUC	Middle Maple River
Sediment (Tss)	Tons/Yr	10.9	HSPF SAM - 8 Digit HUC	Middle Maple River
Phosphorus (Est. Reduction)	Lbs/Yr	53.1	HSPF SAM - 8 Digit HUC	Middle Maple River

Activity Action Name:	LS-24-81-01 Year 2	Activity Count: 1
Practice Type:	340 - Cover Crop	Size/Units: 273.8 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	273.8 acres of cover crop. Plant cover crops over three years. Year 2 of 3 - fields will rotate	Install Date: 11/01/2025
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	27	HSPF SAM - 8 Digit HUC	Upper and Middle Cobb River
Nitrogen	Lbs/Yr	1875	HSPF SAM - 8 Digit HUC	Upper and Middle Cobb River
Sediment (Tss)	Tons/Yr	11.1	HSPF SAM - 8 Digit HUC	Upper and Middle Cobb River

Activity Action Name:	LS-24-81-01 year 1	Activity Count: 1
Practice Type:	340 - Cover Crop	Size/Units: 134 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	Plant cover crops over three years. 134 acres of cover crop. Year 1 of 3 - fields will rotate	Install Date: 08/30/2024
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	16.8	HSPF SAM - 8 Digit HUC	Upper and Middle Cobb River
Sediment (Tss)	Tons/Yr	5.4	HSPF SAM - 8 Digit HUC	Upper and Middle Cobb River
Nitrogen	Lbs/Yr	1033	HSPF SAM - 8 Digit HUC	Upper and Middle Cobb River

Activity Action Name:	LS-24-81-01 year 3	Activity Count: 1
Practice Type:	340 - Cover Crop	Size/Units: 273.8 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	273.8 acres of cover crops. Year 3 of 3 - fields will rotate	Install Date: 11/01/2026
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	27	HSPF SAM - 8 Digit HUC	Upper and Middle Cobb River
Nitrogen	Lbs/Yr	1875	HSPF SAM - 8 Digit HUC	Upper and Middle Cobb River
Sediment (Tss)	Tons/Yr	11.1	HSPF SAM - 8 Digit HUC	Upper and Middle Cobb River

## Activity Name: Planning/Assessment

**Activity Category:** Planning and Assessment

**Staff time?:** Yes

**Description:** Planning and assessment will be used to prepare for future projects in the watershed.

Projects listed in Data & Studies Table 4.3 pg. 148, will be used to direct the work in this category. Specific items to complete, as identified by the Policy Advisory Committee, include Data & Studies 1.3, Update the Madison Lake, Lake Management Plan (\$15,000), D&S 1.4, Develop feasibility studies/lake management plans for Lura, Bass, and Elysian (\$30,000) and D&S 1.6, Water storage feasibility studies (\$22,500). Other work within this category will be completed as necessary and as budget constraints allow.

For this activity, local staff time will be utilized as much as possible for completing project planning and assessment tasks. It is recognized though that some projects may fall outside of the local staff's scope of expertise and an outside consultant may need to be hired. Local staff will communicate those needs with BWSR and the PAC for review.

### Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2024 Le Sueur River Watershed WBIF	\$50,000.00	\$69.41	\$49,930.59	07/08/2024	N
<b>Actual Results</b>						
<u>Results</u>						<u>Date Added</u>
2024 2nd qtr-Freeborn SWCD-Resource Conservationist Inv#FreS-01-24 ck#11966. Wetland restoration potential in Le Sueur Watershed - Water storage.						7/12/2024 12:00:00 AM

## Activity Name: Project Development

**Activity Category:** Project Development **Staff time?:** Yes

**Description:** Category reflects project support activities which will directly support or supplement the goals and outcomes of the work plan such as: civic engagement; public outreach; initial contacts, actions, and activities with landowners and/or partners; preliminary information gathering, conservation marketing, or other activities.

Additional materials and meeting/event expenses necessary for project development estimated at \$5,000.

### Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2024 Le Sueur River Watershed WBIF	\$50,000.00	\$4,379.38	\$45,620.62	01/09/2025	N
<b>Actual Results</b>						
<u>Results</u>						<u>Date Added</u>
2024 2nd Qtr Project Development Inv#FreS-01-24 Ck#11966. North Freeborn possible project follow up.						1/21/2025 8:33:01 AM
2024 3th Qtr Project Development Inv#FarS-03-24 Ck#12000. All contracts with Faribault SWCD						1/21/2025 8:34:34 AM
2024 4th qtr Project Development Faribault SWCD Inv# FarS-04-24 all Faribault SWCD Contracts ck#12078						1/9/2025 12:00:00 AM

## Activity Name: SSTS

**Activity Category:** Subsurface Sewage Treatment Systems

**Staff time?:** No

**Description:** Replace ten (20) Subsurface Sewage Treatment Systems (SSTS). SSTS that are noncompliant and failing to protect groundwater or an imminent public health threat will be prioritized for these efforts. Measurable goals narrative as listed on pg.105 and project goals from Table 4.1 BMP Implementation, pg.142-143.

Additional details available in local cost share policy attached to workplan.

### Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Landowner Fund	Landowner Match	\$205,200.00	\$216,957.75	(\$11,757.75)	12/13/2024	Y
Current State Grant	2024 Le Sueur River Watershed WBIF	\$205,200.00	\$175,446.17	\$29,753.83	12/13/2024	N

### Actual Results

<u>Results</u>	<u>Date Added</u>
August 2024 Contract #LS-24-43-03-SE completed and approved for payment of \$10,000.00 check #11974	8/9/2024 9:18:35 AM
September 2024 Contracts completed and approved for payment as follows: LS-24-07-04-SE \$8,340.50 ck11973, LS-24-47-02-SE \$8,720.67 ck11987, LS-24-47-01-SE \$10,000.00 ck11988, LS-24-24-07-06-SE \$10,000.00 ck11990, LS-24-07-07-SE \$10,000.00 ck11991	9/13/2024 1:04:30 PM
December 2024 Contracts completed and approved for payment as follows: LS-24-07-10-SE \$10,000.00 ck#12037, LS-24-07-08-SE \$10,000.00 ck#12038, LS-24-07-12-SE \$10,000.00 ck#12039, LS-24-07-14-SE \$10,000.00 ck#12040, LS-24-07-13-SE \$10,000.00 ck#12041, LS-24-07-17-SE \$10,000.00 ck#12042, LS-24-07-19-SE \$10,000 ck#12043, LS-24-07-03-SE \$10,000.00 ck#12044, LS-24-43-01-FarS \$10,000.00 ck#12045, LS-24-43-02-FarS \$8,385.00 ck#12046, LS-24-43-04-SE \$10,000.00 ck#12047	12/16/2024 9:16:49 AM
2024- Year Total 19 landowner contracts executed with 18 systems installed. 1 system to be installed 2025. Total Grant Funds \$175,446.17. Total Landowner Funds \$216,957.75	12/18/2024 10:11:44 AM
October 2024 Contracts completed and approved for payment to landowner and contractor LS-24-07-05-SE \$10,000.00	10/11/2024 12:00:00 AM

**Final Indicators**

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
BOD 5	6334	Lbs/Yr
Pathogens (E. Coli)	1143000000000000	Cfu
Phosphorus (Est. Reduction)	168	Lbs/Yr
Total Suspended Solids (TSS)	281	Mg/L
Nitrogen	401	Lbs/Yr
Sediment (Tss)	2.5	Tons/Yr

Activity Action Name: LS-24-07-19-SE	Activity Count: 1
Practice Type: 126M - Septic System Improvement	Size/Units: 1 - Count
TA Provider/JAA: Other	Lifespan: 15 Years
Practice Description: replace failing septic system	Install Date: 10/15/2024
	Mapped: No

Indicator Name	Units	Value	Calculation Tool	Waterbody
Pathogens (E. Coli)	Cfu	603000000000000	Septic System Improvement Estimator (SSIE)	Groundwater
Sediment (Tss)	Tons/Yr	0.1	Septic System Improvement Estimator (SSIE)	Lower Le Sueur River
Phosphorus (Est. Reduction)	Lbs/Yr	9	Septic System Improvement Estimator (SSIE)	Groundwater
Nitrogen	Lbs/Yr	25	Septic System Improvement Estimator (SSIE)	Groundwater
BOD 5	Lbs/Yr	353	Septic System Improvement Estimator (SSIE)	Groundwater

Activity Action Name:	LS-24-43-04-SE	Activity Count: 1
Practice Type:	126M - Septic System Improvement	Size/Units: 1 - Count
TA Provider/JAA:	Other	Lifespan: 15 Years
Practice Description:	replace failing septic system	Install Date: 09/18/2024
		Mapped: No

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	1	Septic System Improvement Estimator (SSIE)	Middle Maple River
Nitrogen	Lbs/Yr	14	Septic System Improvement Estimator (SSIE)	Groundwater
BOD 5	Lbs/Yr	403	Septic System Improvement Estimator (SSIE)	Groundwater
Phosphorus (Est. Reduction)	Lbs/Yr	10	Septic System Improvement Estimator (SSIE)	Groundwater
Pathogens (E. Coli)	Cfu	68800000000000	Septic System Improvement Estimator (SSIE)	Groundwater

Activity Action Name:	LS-24-07-03-SE	Activity Count: 1
Practice Type:	126M - Septic System Improvement	Size/Units: 1 - Count
TA Provider/JAA:	Other	Lifespan: 15 Years
Practice Description:	replace failing septic system	Install Date: 07/31/2024
		Mapped: No

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	0.1	Septic System Improvement Estimator (SSIE)	Le Sueur River
Nitrogen	Lbs/Yr	25	Septic System Improvement Estimator (SSIE)	Groundwater
BOD 5	Lbs/Yr	353	Septic System Improvement Estimator (SSIE)	Groundwater
Pathogens (E. Coli)	Cfu	60300000000000	Septic System Improvement Estimator (SSIE)	Groundwater
Phosphorus (Est. Reduction)	Lbs/Yr	9	Septic System Improvement Estimator (SSIE)	Groundwater

Activity Action Name: LS-24-07-04-SE	Activity Count: 1
Practice Type: 126M - Septic System Improvement	Size/Units: 1 - Count
TA Provider/JAA: Other	Lifespan: 15 Years
Practice Description: replace failing septic system	Install Date: 07/22/2024
	Mapped: No

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	7	Septic System Improvement Estimator (SSIE)	Groundwater
Nitrogen	Lbs/Yr	19	Septic System Improvement Estimator (SSIE)	Groundwater
Pathogens (E. Coli)	Cfu	45200000000000	Septic System Improvement Estimator (SSIE)	Groundwater
Sediment (Tss)	Tons/Yr	0.07	Septic System Improvement Estimator (SSIE)	Middle Cobb River
BOD 5	Lbs/Yr	265	Septic System Improvement Estimator (SSIE)	Groundwater

Activity Action Name:	LS-24-07-07-SE	Activity Count: 1
Practice Type:	126M - Septic System Improvement	Size/Units: 1 - Count
TA Provider/JAA:	Other	Lifespan: 15 Years
Practice Description:	replace septic system	Install Date: 08/29/2024
		Mapped: No

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	9	Septic System Improvement Estimator (SSIE)	Groundwater
Pathogens (E. Coli)	Cfu	60300000000000	Septic System Improvement Estimator (SSIE)	Groundwater
Nitrogen	Lbs/Yr	25	Septic System Improvement Estimator (SSIE)	Groundwater
BOD 5	Lbs/Yr	353	Septic System Improvement Estimator (SSIE)	Groundwater
Sediment (Tss)	Tons/Yr	0.1	Septic System Improvement Estimator (SSIE)	Middle Cobb River

Activity Action Name:	LS-24-07-05-SE	Activity Count: 1
Practice Type:	126M - Septic System Improvement	Size/Units: 1 - Count
TA Provider/JAA:	Other	Lifespan: 15 Years
Practice Description:	replace one failing septic system for the betterment of our state and country.	Install Date: 09/05/2024
		Mapped: No

Indicator Name	Units	Value	Calculation Tool	Waterbody
BOD 5	Lbs/Yr	442	Septic System Improvement Estimator (SSIE)	Groundwater
Phosphorus (Est. Reduction)	Lbs/Yr	11	Septic System Improvement Estimator (SSIE)	Groundwater
Sediment (Tss)	Tons/Yr	0.12	Septic System Improvement Estimator (SSIE)	Middle Cobb River
Pathogens (E. Coli)	Cfu	75300000000000	Septic System Improvement Estimator (SSIE)	Groundwater
Nitrogen	Lbs/Yr	32	Septic System Improvement Estimator (SSIE)	Groundwater

Activity Action Name: LS-24-07-08-SE	Activity Count: 1
Practice Type: 126M - Septic System Improvement	Size/Units: 1 - Count
TA Provider/JAA: Other	Lifespan: 15 Years
Practice Description: Replace failing septic system	Install Date: 09/19/2024
	Mapped: No

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	0.1	Septic System Improvement Estimator (SSIE)	Lower Le Sueur River
Pathogens (E. Coli)	Cfu	60300000000000	Septic System Improvement Estimator (SSIE)	Groundwater
Nitrogen	Lbs/Yr	25	Septic System Improvement Estimator (SSIE)	Groundwater
Phosphorus (Est. Reduction)	Lbs/Yr	9	Septic System Improvement Estimator (SSIE)	Groundwater
BOD 5	Lbs/Yr	353	Septic System Improvement Estimator (SSIE)	Groundwater

Activity Action Name:	LS-24-43-02-FarS	Activity Count: 1
Practice Type:	126M - Septic System Improvement	Size/Units: 1 - Count
TA Provider/JAA:	Other	Lifespan: 15 Years
Practice Description:	replace failing septic system	Install Date: 09/06/2024
		Mapped: No

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	0.14	Septic System Improvement Estimator (SSIE)	Upper Maple River
Phosphorus (Est. Reduction)	Lbs/Yr	12	Septic System Improvement Estimator (SSIE)	Groundwater
Nitrogen	Lbs/Yr	18	Septic System Improvement Estimator (SSIE)	Groundwater
Pathogens (E. Coli)	Cfu	86000000000000	Septic System Improvement Estimator (SSIE)	Groundwater
BOD 5	Lbs/Yr	504	Septic System Improvement Estimator (SSIE)	Groundwater

Activity Action Name:	LS-24-07-12-SE	Activity Count: 1
Practice Type:	126M - Septic System Improvement	Size/Units: 1 - Count
TA Provider/JAA:	Other	Lifespan: 15 Years
Practice Description:	replace failing septic system	Install Date: 09/13/2024
		Mapped: No

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	0.02	Septic System Improvement Estimator (SSIE)	Lower Le Sueur River
Phosphorus (Est. Reduction)	Lbs/Yr	4	Septic System Improvement Estimator (SSIE)	Groundwater
Pathogens (E. Coli)	Cfu	30100000000000	Septic System Improvement Estimator (SSIE)	Groundwater
BOD 5	Lbs/Yr	88	Septic System Improvement Estimator (SSIE)	Groundwater
Nitrogen	Lbs/Yr	20	Septic System Improvement Estimator (SSIE)	Groundwater

Activity Action Name: LS-24-07-17-SE	Activity Count: 1
Practice Type: 126M - Septic System Improvement	Size/Units: 1 - Count
TA Provider/JAA: Other	Lifespan: 15 Years
Practice Description: replace failing septic system	Install Date: 10/16/2024
	Mapped: No

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	9	Septic System Improvement Estimator (SSIE)	Groundwater
Nitrogen	Lbs/Yr	13	Septic System Improvement Estimator (SSIE)	Groundwater
Pathogens (E. Coli)	Cfu	60300000000000	Septic System Improvement Estimator (SSIE)	Groundwater
BOD 5	Lbs/Yr	353	Septic System Improvement Estimator (SSIE)	Groundwater
Sediment (Tss)	Tons/Yr	0.1	Septic System Improvement Estimator (SSIE)	Middle Maple River

Activity Action Name:	LS-24-43-01-FarS	Activity Count: 1
Practice Type:	126M - Septic System Improvement	Size/Units: 1 - Count
TA Provider/JAA:	Other	Lifespan: 15 Years
Practice Description:	replace failing septic system	Install Date: 11/15/2024
		Mapped: No

Indicator Name	Units	Value	Calculation Tool	Waterbody
BOD 5	Lbs/Yr	403	Septic System Improvement Estimator (SSIE)	Groundwater
Phosphorus (Est. Reduction)	Lbs/Yr	10	Septic System Improvement Estimator (SSIE)	Groundwater
Nitrogen	Lbs/Yr	14	Septic System Improvement Estimator (SSIE)	Groundwater
Pathogens (E. Coli)	Cfu	68800000000000	Septic System Improvement Estimator (SSIE)	Groundwater
Sediment (Tss)	Tons/Yr	0.11	Septic System Improvement Estimator (SSIE)	Middle Maple River

Activity Action Name:	LS-24-43-03-SE	Activity Count: 1
Practice Type:	126M - Septic System Improvement	Size/Units: 1 - Count
TA Provider/JAA:	Other	Lifespan: 10 Years
Practice Description:	replaced failing septic system	Install Date: 06/25/2024
		Mapped: No

Indicator Name	Units	Value	Calculation Tool	Waterbody
BOD 5	Lbs/Yr	509	Septic System Improvement Estimator (SSIE)	Groundwater
Phosphorus (Est. Reduction)	Lbs/Yr	13	Septic System Improvement Estimator (SSIE)	Groundwater
Pathogens (E. Coli)	Cfu	86800000000000	Septic System Improvement Estimator (SSIE)	Groundwater
Total Suspended Solids (TSS)	Mg/L	281	Septic System Improvement Estimator (SSIE)	Groundwater
Nitrogen	Lbs/Yr	18	Septic System Improvement Estimator (SSIE)	Groundwater

Activity Action Name: LS-24-07-14-SE	Activity Count: 1
Practice Type: 126M - Septic System Improvement	Size/Units: 1 - Count
TA Provider/JAA: Other	Lifespan: 15 Years
Practice Description: replace failing septic system	Install Date: 10/09/2024
	Mapped: No

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	0.12	Septic System Improvement Estimator (SSIE)	Lower Le Sueur River
Nitrogen	Lbs/Yr	32	Septic System Improvement Estimator (SSIE)	Groundwater
Pathogens (E. Coli)	Cfu	75300000000000	Septic System Improvement Estimator (SSIE)	Groundwater
BOD 5	Lbs/Yr	442	Septic System Improvement Estimator (SSIE)	Groundwater
Phosphorus (Est. Reduction)	Lbs/Yr	11	Septic System Improvement Estimator (SSIE)	Groundwater

Activity Action Name:	LS-24-47-02-SE	Activity Count: 1
Practice Type:	126M - Septic System Improvement	Size/Units: 1 - Count
TA Provider/JAA:	Other	Lifespan: 15 Years
Practice Description:	replace failing septic system	Install Date: 08/26/2024
		Mapped: No

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	0.05	Septic System Improvement Estimator (SSIE)	Upper Le Sueur River
Nitrogen	Lbs/Yr	21	Septic System Improvement Estimator (SSIE)	Groundwater
Pathogens (E. Coli)	Cfu	62900000000000	Septic System Improvement Estimator (SSIE)	Groundwater
BOD 5	Lbs/Yr	184	Septic System Improvement Estimator (SSIE)	Groundwater
Phosphorus (Est. Reduction)	Lbs/Yr	9	Septic System Improvement Estimator (SSIE)	Groundwater

Activity Action Name:	LS-24-47-01-SE	Activity Count: 1
Practice Type:	126M - Septic System Improvement	Size/Units: 1 - Count
TA Provider/JAA:	Other	Lifespan: 15 Years
Practice Description:	replace failing septic system	Install Date: 09/04/2024
		Mapped: No

Indicator Name	Units	Value	Calculation Tool	Waterbody
BOD 5	Lbs/Yr	92	Septic System Improvement Estimator (SSIE)	Groundwater
Sediment (Tss)	Tons/Yr	0.03	Septic System Improvement Estimator (SSIE)	Upper Le Sueur River
Phosphorus (Est. Reduction)	Lbs/Yr	5	Septic System Improvement Estimator (SSIE)	Groundwater
Nitrogen	Lbs/Yr	11	Septic System Improvement Estimator (SSIE)	Groundwater
Pathogens (E. Coli)	Cfu	31400000000000	Septic System Improvement Estimator (SSIE)	Groundwater

Activity Action Name: LS-24-07-10-SE	Activity Count: 1
Practice Type: 126M - Septic System Improvement	Size/Units: 1 - Count
TA Provider/JAA: Other	Lifespan: 15 Years
Practice Description: replace septic system	Install Date: 09/12/2024
	Mapped: No

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	0.12	Septic System Improvement Estimator (SSIE)	Lower Le Sueur River
BOD 5	Lbs/Yr	442	Septic System Improvement Estimator (SSIE)	Lower Le Sueur River
Phosphorus (Est. Reduction)	Lbs/Yr	11	Septic System Improvement Estimator (SSIE)	Groundwater
Pathogens (E. Coli)	Cfu	75300000000000	Septic System Improvement Estimator (SSIE)	Groundwater
Nitrogen	Lbs/Yr	32	Septic System Improvement Estimator (SSIE)	Groundwater

Activity Action Name:	LS-24-07-13-SE	Activity Count: 1
Practice Type:	126M - Septic System Improvement	Size/Units: 1 - Count
TA Provider/JAA:	Other	Lifespan: 15 Years
Practice Description:	replace failing septic system	Install Date: 11/18/2024
		Mapped: No

Indicator Name	Units	Value	Calculation Tool	Waterbody
Pathogens (E. Coli)	Cfu	75300000000000	Septic System Improvement Estimator (SSIE)	Groundwater
Phosphorus (Est. Reduction)	Lbs/Yr	11	Septic System Improvement Estimator (SSIE)	Groundwater
Nitrogen	Lbs/Yr	32	Septic System Improvement Estimator (SSIE)	Groundwater
Sediment (Tss)	Tons/Yr	0.12	Septic System Improvement Estimator (SSIE)	Lower Le Sueur River
BOD 5	Lbs/Yr	442	Septic System Improvement Estimator (SSIE)	Groundwater

Activity Action Name:	LS-24-07-06-SE	Activity Count: 1
Practice Type:	126M - Septic System Improvement	Size/Units: 1 - Count
TA Provider/JAA:	Other	Lifespan: 15 Years
Practice Description:	replace a failing septic system	Install Date: 08/13/2024
		Mapped: No

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	0.1	Septic System Improvement Estimator (SSIE)	Middle Cobb River
Phosphorus (Est. Reduction)	Lbs/Yr	9	Septic System Improvement Estimator (SSIE)	Groundwater
Pathogens (E. Coli)	Cfu	60300000000000	Septic System Improvement Estimator (SSIE)	Groundwater
BOD 5	Lbs/Yr	353	Septic System Improvement Estimator (SSIE)	Groundwater
Nitrogen	Lbs/Yr	25	Septic System Improvement Estimator (SSIE)	Groundwater

## Activity Name: Shoreline

**Activity Category:** Streambank or Shoreline Protection **Staff time?:** No

**Description:** Using vegetation or structures to stabilize and protect banks and beds of streams, lakes, estuaries, or excavated channels against scour or erosion. Lake Shore Restoration (580), install 65 linear feet of lake shore restoration and protection. The goals narrative for lake water quality is located on pg. 94 and project goals from Table 4.1 BMP Implementation, pg. 139.

Additional details available in local cost share policy attached to workplan.

### Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Landowner Fund	Landowner Match	\$325.00		\$325.00		Y
Federal Funds	EQIP, Fishers and Farmers, 319	\$325.00		\$325.00		Y
Current State Grant	2024 Le Sueur River Watershed WBIF	\$6,500.00		\$6,500.00		N

## Activity Name: Special Projects

**Activity Category:** Special Projects

**Staff time?:** No

**Description:** Practices in this category to include those related to stabilization of bank grade, to control gully erosion, but that don't meet current Minnesota NRCS FOTG practice standards.

All practices will be designed by a private engineer. Landowner/occupier Contracts will be completed accordingly and the project will meet professionally accepted engineering standards. Practices will have technical approval authority sign-off by private engineer. Section 4, pg.119, of the Plan details the methodology, cost estimates and criteria for project targeting. Table 4.1, BMP Implementation, pg. 125 lays out the estimated necessary values for project implementation to meet Plan pollution reduction estimates.

Practices implemented in this category will meet grant match requirements set by applicable Local Cost Share Policy. Match source will be Landowner Match (via 103E Ditch system).

### Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2024 Le Sueur River Watershed WBIF	\$48,750.00		\$48,750.00		N
Local Fund	County Ditch System funds	\$16,250.00		\$16,250.00		N

## Activity Name: Technical/Engineering Assistance

**Activity Category:** Technical/Engineering Assistance

**Staff time?:** Yes

**Description:** Technical and engineering expenses include surveying and design of structural agricultural projects and streambank/shoreland stabilization structures from a licensed engineer or staff with NRCS Job Approval Authority for the specific practice. All practices must be consistent with the USDA NRCS FOTG or be professionally accepted engineered or ecological practice. Staff credentials or Job Approval Authority can be viewed at their respective offices. Proper design and JAA are necessary to implement the entirety of the practices/projects under the Le Sueur River Comprehensive Watershed Management Plan.

### Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2024 Le Sueur River Watershed WBIF	\$79,800.00	\$22,631.84	\$57,168.16	06/12/2025	N
<b>Actual Results</b>						
<u>Results</u>						<u>Date Added</u>
2024 1st qtr Inv#WasS-01-2024, Waseca SWCD 1 hr TA Stabilization Project						5/16/2024 8:48:40 AM
2024 2nd qtr Inv#WasS-02-24 Time spent with Landowner and on Reed's Lake Project						7/12/2024 10:27:09 AM
2024 3rd qtr Inv#WasS-03-24 Tech time spent with landowner, Inv#FarS-03-24 ck#12000. All contracts with Faribault SWCD						10/11/2024 12:00:00 AM
2024 4th qtr #WasS Tech/Eng time with landowner Inv# WasS-04-24 + WasS-04-24 Add, Faribault SWCD working with all contract Inv#FarS-04-24 Ck#12078, Blue Earth SWCD working on projects Inv#BIES-04-24 ck#12079						1/9/2025 12:00:00 AM
2025 1st qtr Inv #WasS-01-25 T/A time working with landowner. \$339.84, Inv#BIES-01-25 T/A time ck#12155 - \$6325.12						4/11/2025 11:06:31 AM

## Activity Name: Well Sealing

**Activity Category:** Groundwater

**Staff time?:** No

**Description:** From pg110 of the Plan: Criteria for both public water systems and private wells was used to identify priority, targeted areas for drinking water and groundwater protection. For public water systems, targeting criteria includes vulnerability ranking of drinking water supply management areas (DWSMAs), the City of Mankato drinking water supply management areas for surface water (DWSMA-SW), and sub watersheds that contribute the greatest nitrogen loads to the watershed outlet (Figure 3.16, pg. 111). Targeting for well sealing is watershed wide due to the importance of sealing all entryways for contaminants into groundwater for protection of drinking water supply.

Table 4.1 BMP Implementation, pg141-142, provide plan estimates of well sealing goals and cost estimates. Estimated 15 well sealings based on funds allocated.

See attached local cost share policy for more information.

### Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Landowner Fund	Landowner Match	\$13,500.00	\$6,193.75	\$7,306.25	04/10/2025	Y
Current State Grant	2024 Le Sueur River Watershed WBIF	\$27,000.00	\$4,793.75	\$22,206.25	04/10/2025	N

### Actual Results

<u>Results</u>	<u>Date Added</u>
11/15/2024 LS24-81-02 Well sealing total amount \$2462.50 50% paid by landowner \$1, 231.25 and 50% \$1,231.25 paid with grant check #12018.	11/15/2024 12:08:29 PM
4/10/2025 LS-24-07-25 Well Sealing amount \$1,800.00 contract authorized pd to landowner check #12128, Remaining amount \$3,200.00 paid by landowner other funds, LS-24-07-26 Well Sealing \$1762.50 50% of amount check #12131 and 50 \$1762.50 paid by landowner.	4/10/2025 12:00:00 AM

### Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Prevention	1	Count

Activity Action Name:	LS-24-81-02	Activity Count: 1		
Practice Type:	351 - Well Decommissioning	Size/Units: 1 - Count		
TA Provider/JAA:	Private Consultant	Lifespan: In Perpetuity		
Practice Description:	Seal one well	Install Date: 10/09/2024		
		Mapped: Yes		
Indicator Name	Units	Value	Calculation Tool	Waterbody
Prevention	Count	1	Other	Groundwater

## Activity Name: Wetland Restoration

Activity Category: Wetland Restoration/Creation

Staff time?: No

**Description:** Practices in this category to include those listed in Table 4.1, BMP Implementation, pg132 in the Plan.

Section 4, pg.119, of the Plan details the methodology, cost estimates and criteria for project targeting. All projects will have technical approval authority sign-off by credentialed staff or NRCS Job Approval Authority or TSA/ private engineer. Practices will be developed and installed consistent with NRCS FOTG or other professionally accepted ecological practices. Table 4.1, BMP Implementation, pg. 125 lays out the estimated necessary values for project implementation to meet Plan pollution reduction estimates. Project implementation estimates for the first biennium account for the cost to install 10 acres of wetland.

Additional details available in local cost share policy attached to workplan.

### Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Federal Funds	Federal Match through NRCS, FSA, F&F	\$125.00		\$125.00		Y
Landowner Fund	Landowner Match	\$125.00		\$125.00		Y
Current State Grant	2024 Le Sueur River Watershed WBIF	\$2,500.00		\$2,500.00		N