



# Grant Work Plan

## Watershed Based Implementation 2025

**Grant Title:** Otter Tail WBIF FY25/26

**Grant ID:** C25-0116

**Grantee:** Otter Tail, East SWCD

**Fiscal Agent:** Otter Tail, East SWCD

**Grant Day-to-Day Contact:** Darren Newville

**Grant Award (\$):** \$1,507,070.00

**Required Match (%):** 10

**Required Match (\$):** \$150,707.00

**Grant Execution Date:** 07/22/2024

**Grant End Date:** 12/31/2027

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$1,507,070.00	\$0.00	\$1,507,070.00
Match Funds	\$150,707.00	\$0.00	\$150,707.00
Other Funds	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$1,657,777.00</b>	<b>\$0.00</b>	<b>\$1,657,777.00</b>

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

### Budget Details

Activity Name	Category	Source Type	Source Description	Budgeted	Spent	Balance Remaining	Match Fund?
Administration/Coordination	Administration/Coordination	Current State Grant	Otter Tail WBIF FY25/26	\$79,105.00		\$79,105.00	N
LGU Administration/Coordination	Administration/Coordination	Current State Grant	Otter Tail WBIF FY25/26	\$7,500.00		\$7,500.00	N
Structural Practices	Agricultural Practices	Current State Grant	Otter Tail WBIF FY25/26	\$230,000.00		\$230,000.00	N
Education/Information	Education/Information	Current State Grant	Otter Tail WBIF FY25/26	\$14,500.00		\$14,500.00	N
Forestry Practices	Forestry Practices	Current State Grant	Otter Tail WBIF FY25/26	\$35,000.00		\$35,000.00	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>
Groundwater	Groundwater	Current State Grant	Otter Tail WBIF FY25/26	\$4,500.00		\$4,500.00	N
Agriculture Practices	Groundwater	Current State Grant	Otter Tail WBIF FY25/26	\$93,725.00		\$93,725.00	N
Livestock Waste Management	Livestock Waste Management	Current State Grant	Otter Tail WBIF FY25/26	\$35,000.00		\$35,000.00	N
Non-Structural Management	Non-Structural Management Practices	Current State Grant	Otter Tail WBIF FY25/26	\$58,240.00		\$58,240.00	N
Project Development	Project Development	Current State Grant	Otter Tail WBIF FY25/26	\$305,500.00		\$305,500.00	N
Regulations/Ordinances/Enforcement	Regulations/Ordinances/Enforcement	Current State Grant	Otter Tail WBIF FY25/26	\$72,000.00		\$72,000.00	N
Project Match	Special Projects	Landowner Fund		\$150,707.00		\$150,707.00	Y
Streambank or Shoreline Protection	Streambank or Shoreline Protection	Current State Grant	Otter Tail WBIF FY25/26	\$260,000.00		\$260,000.00	N
Subsurface Sewage Treatment Systems	Subsurface Sewage Treatment Systems	Current State Grant	Otter Tail WBIF FY25/26	\$25,000.00		\$25,000.00	N
Tech Assistance & Engineering	Technical/Engineering Assistance	Current State Grant	Otter Tail WBIF FY25/26	\$257,000.00		\$257,000.00	N
Urban Stormwater Management Practices	Urban Stormwater Management Practices	Current State Grant	Otter Tail WBIF FY25/26	\$30,000.00		\$30,000.00	N

<i>Indicator Category</i>	<i>Proposed Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	97	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	10	Lbs/Yr

<i>Indicator Category</i>	<i>Final Indicator</i>	<i>Total Value</i>	<i>Unit</i>
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<i>Indicator Category</i>	<i>Proposed Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Water Pollution (Reduction Estimates)	Nitrogen	5040	Lbs/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	15	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	197	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	20	Lbs/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	255	Lbs/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	305	Tons/Yr
Water Pollution (Reduction Estimates)	Nitrogen	120	Lbs/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	1610	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	30	Lbs/Yr

<i>Indicator Category</i>	<i>Proposed Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Estimates)			
Water Pollution (Reduction Estimates)	Nitrogen	425	Lbs/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	90	Lbs/Yr
Water Pollution (Reduction Estimates)	Nitrogen	32	Lbs/Yr

## Grant Activities

### Activity Name: Administration/Coordination

**Activity Category:** Administration/Coordination

**Staff time?:** Yes

**Description:** Grant funds will be used to cover the Fiscal Agent/Coordinator (EOT SWCD) staff time associated with local grant coordination, grant tracking, administration, grant reconciliations, and reporting. Watershed based implementation funds will cover approximately 0.2 FTE. Administration and coordination of this grant will follow Watershed-Based Implementation Funding Policy – FY25-26 as established by the Board of Water and Soil Resources, State of Minnesota and as outlined in the grant agreement. The estimated 0.2 FTE is only included as a target number for this grant cycle.

#### 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	Otter Tail WBIF FY25/26	\$79,105.00		\$79,105.00		N

## Activity Name: Agriculture Practices

Activity Category: Groundwater

Staff time?: No

**Description:** Financial assistance will be provided to landowners for the installation of an estimated 140 acres of irrigation water management plans. Primary goals addressed include phosphorus reduction, sediment reduction, and groundwater protection. Secondary benefits associated with these practices include soil health enhancement, bacteria reduction, and water retention. Pollution reduction estimates associated with these practices include: 10 lbs per year phosphorus, 120 lbs per year of nitrogen, and 97 tons per year sediment. Efforts will be targeted towards focused resource areas and vulnerable DWSMAs as identified on groundwater protection areas. Reference planning region priority maps on page 70, 73, 77, and figure 5.2 on page 78. The estimated number of practices are only included as a target number for this grant cycle. The full suite of agricultural groundwater practices that provide pollution reductions towards our 10-year goals will be an option for landowners. All other practices will follow NRCS FOTG or other approved standards. Accomplishments will be reported as projects are completed.

### 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	Otter Tail WBIF FY25/26	\$93,725.00		\$93,725.00		N

## Activity Name: Education/Information

Activity Category: Education/Information

Staff time?: No

**Description:** Grant funds will be used to expand and introduce new tree education and outreach for the Cormorant Lakes Watershed District. Expanding our tree program to add more trees within Cormorant Lakes Watershed District shoreline. Offering tree giveaway events, school education and promotional trees at lake association meetings. Funds will also be used to target priority areas throughout the watershed by Becker SWCD, EOT SWCD, and Pelican River Watershed District.

### 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	Otter Tail WBIF FY25/26	\$14,500.00		\$14,500.00		N

## Activity Name: Forestry Practices

Activity Category: Forestry Practices

Staff time?: No

**Description:** Financial Assistance will be provided to landowners to establish or improve long term forestry practices and forest management plans as identified in the Otter Tail River Watershed Landscape Stewardship Plan. The primary goal is to develop 13 plans (estimated). The primary goal addressed is land protection. Secondary benefits associated with this activity include phosphorus reduction, sediment reduction, and groundwater protection. Efforts will be targeted towards the Little Pine/Otter Tail River and Toad River planning regions. Implementation of the planned practices are estimated to increase protection goals, as identified in the Otter Tail River Watershed Landscape Stewardship Plan, by 0.8% in the Little Pine/Otter Tail River and 1.5% in the Toad River planning regions Reference Region Priority Maps on page 75, and figure 5.1 on page 76. The estimated number of practices are only included as a target number for this grant cycle. The full suite of forestry practices that provide pollution reductions towards our 10-year goals will be an option for landowners. All other practices will follow NRCS FOTG or other approved standards. Accomplishments will be reported as projects are completed.

### 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	Otter Tail WBIF FY25/26	\$35,000.00		\$35,000.00		N

## Activity Name: Groundwater

Activity Category: Groundwater

Staff time?: No

**Description:** Financial assistance for projects protecting groundwater quality - including an estimated 15 unused well sealing projects. Implementation will be targeted but not limited to the areas with the highest risk of nitrogen infiltration to the groundwater and DWSMAs with high and very high vulnerability Reference planning region priority maps on page 77, and figure 5.2 on page 78. The estimated number of practices is only included as a target number for this grant cycle. Accomplishments will be reported as projects are completed.

### 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	Otter Tail WBIF FY25/26	\$4,500.00		\$4,500.00		N

## Activity Name: LGU Administration/Coordination

**Activity Category:** Administration/Coordination

**Staff time?:** Yes

**Description:** Local Partner LGU staff time for administration of financial assistance contracts, fund tracking, invoicing, and reporting activities. Watershed based implementation funds will cover approximately 0.1 FTE. Administration and coordination of this grant will follow Watershed-Based Implementation Funding Policy - FY25-26 as established by the Board of Water and Soil Resources, State of Minnesota and as outlined in the grant agreement. The estimated 0.1 FTE is only included as a target number for this grant cycle.

### 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	Otter Tail WBIF FY25/26	\$7,500.00		\$7,500.00		N

## Activity Name: Livestock Waste Management

**Activity Category:** Livestock Waste Management

**Staff time?:** No

**Description:** Financial assistance would be provided to cover potential waste system upgrades, building upgrades, manure pit closure, a manure management plan, etc.) for a feedlot to make progress on Goal: Bacteria Reduction. The short-term goal is to complete 2 projects to make progress towards preventing and removing impairments. These projects also overlap with Goal: Groundwater Protection. The long-term goal is to implement groundwater protection on all acres at risk (69,135 acres) and make progress towards the MN Nutrient Reduction Strategy benefitting downstream resources (. Cost share is only available to feedlots in accordance with the fiscal year 2025 BWSR grant policy and GAM. See milestone worksheet below for additional information about milestones. The estimated number of practices are only included as a target number for this grant cycle. The full suite of livestock waste management practices that provide pollution reductions towards our 10-year goals will be an option for landowners. All other practices will follow NRCS FOTG or other approved standards. Accomplishments will be reported as projects are completed.

### 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	Otter Tail WBIF FY25/26	\$35,000.00		\$35,000.00		N

## Activity Name: Non-Structural Management

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

**Staff time?:** No

**Description:** Financial Assistance will be provided to landowners for the installation of an estimated 1100 acres of cover crops and 20 acres of grazing plans. Primary goals addressed include phosphorus reduction, sediment reduction and soil health enhancements. Secondary benefits associated with these practices include groundwater protection, bacteria reduction, and water retention. An estimated pollution reduction benefits associated with these practices include: 255 lbs per year phosphorus, 5040 lbs per year nitrogen, and 1610 tons per year sediment. Efforts will be targeted towards focus resource areas as identified on focus resource maps for each goal. Reference planning region priority maps on page 70, 73, 79, and figure 5.3 on page 80. The estimated number of practices is only included as a target number for this grant cycle. The full suite of non-structural management practices that provide pollution reductions towards our 10-year goals will be an option for landowners. All other practices will follow NRCS FOTG or other approved standards. Accomplishments will be reported as projects are completed.

### 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	Otter Tail WBIF FY25/26	\$58,240.00		\$58,240.00		N

## Activity Name: Project Development

**Activity Category:** Project Development

**Staff time?:** Yes

**Description:** Grant funds will be used to cover staff time associated with project activities that support the goals and outcomes of the work plan such as: public engagement, public outreach, initial contacts, actions, and activities with landowners and partners, preliminary information gathering, and conservation marketing. Watershed based implementation funds will cover approximately 1.07 FTE. It is estimated that 75 percent of staff time will spent in the Pelican River subwatershed and 25 percent in the Otter Tail subwatershed. Pelican River Watershed District will complete concept development including planning, design, engineering, permitting and environmental review processes for the lower Campbell Creek streambank stabilization project area and upper Campbell Creek drainage water management project area. Reference Targeted Implementation Table Grouping Map on page 94. The estimated 1.07 FTE is only included as a target number for this grant cycle.

### 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	Otter Tail WBIF FY25/26	\$305,500.00		\$305,500.00		N

### Activity Name: Project Match

**Activity Category:** Special Projects **Staff time?:** No

**Description:** 10% required project match to include landowner contributions and other non-state cost-share or incentive programs.

#### 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		\$150,707.00		\$150,707.00		Y

### Activity Name: Regulations/Ordinances/Enforcement

**Activity Category:** Regulations/Ordinances/Enforcement **Staff time?:** No

**Description:** Grant funds will be used to increase staff capacity and all for more time to be spent implementing regulations and ordinances that protect, restore, and enhance focus resources in Otter Tail County. Watershed based implementation funds will cover approximately 0.4 FTE. Grant funds will be used for a permit module implementation for more efficient permit practices and interface with our citizens. Modules will also offer more convenient documents and staff management practices. Rules modification seminars in conjunction with Cormorant Lakes Watershed District and Pelican River Watershed District. Pelican River Watershed District will use funds to update and clarify PRWD water Management Rules including but not limited to near shore and stormwater treatment/management.

#### 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	Otter Tail WBIF FY25/26	\$72,000.00		\$72,000.00		N

## Activity Name: Streambank or Shoreline Protection

**Activity Category:** Streambank or Shoreline Protection

**Staff time?:** No

**Description:** Financial assistance will be provided to landowners for the installation of vegetation or structural measures to protect an estimated 5200 feet of streams, lakes, or channels against scour erosion. Financial assistance will help with stabilization and shoreline projects within the Cormorant Lakes Watershed District and Blue Water Bay channel stabilization project to include both sides of the channel. Pelican River Watershed District will implement the lower Campbell Creek streambank stabilization project area and the upper Campbell Creek drainage water management project area. Primary goals addressed include phosphorus reduction, sediment reduction, and stream stability. Secondary benefits associated with these practices include bacteria reduction and water retention. Pollution reduction estimates associated with these practices include: 90 lbs per year phosphorus, and 305 tons per year sediment. Efforts will be targeted towards sediment impaired streams, bluffs, and localized shoreland and streambank erosion as identified on focus resource maps for each goal. Reference planning region priority maps on page 70, 73, 85, and Figure 5.8 on page 86. The estimated number of practices is only included as a target number for this grant cycle. The full suite of streambank and shoreline protection practices that provide pollution reductions towards our 10-year goals will be an option for landowners. All other practices will follow NRCS FOTG or other approved standards. Accomplishments will be reported as projects are completed.

### 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	Otter Tail WBIF FY25/26	\$260,000.00		\$260,000.00		N

## Activity Name: Structural Practices

**Activity Category:** Agricultural Practices

**Staff time?:** No

**Description:** Financial assistance will be provided to landowners for the installation of an estimated 13 water and sediment control basins. Primary goals addressed include phosphorus reduction, sediment reduction, and water retention. Secondary benefits associated with these practices include bacteria reduction and stream stability. Pollution reduction estimates associated with these practices include: 30 lbs per year phosphorus, 425 lbs per year nitrogen, and 197 tons per year sediment. Efforts will be targeted towards focus resource areas as identified on the focus resource maps for each goal. Reference planning region priority maps on page 70, 73, 83, and figure 5.5 on page 84. The estimated number of practices is only included as a target number for this grant cycle. The full suite of structural practices that provide pollution reductions towards our 10-year goals will be an option for landowners. All other practices will follow NRCS FOTG or other approved standards. Accomplishments will be reported as projects are completed.

### 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	Otter Tail WBIF FY25/26	\$230,000.00		\$230,000.00		N

## Activity Name: Subsurface Sewage Treatment Systems

**Activity Category:** Subsurface Sewage Treatment Systems

**Staff time?:** No

**Description:** Financial assistance will be provided to landowners for the installation of an estimated 2 subsurface sewage treatment systems. Eligibility for financial assistance will be consistent with Subsurface Sewage Treatment Systems requirements a. through d. as outlined in the most current Watershed-Based Implementation Funding Policy. Primary goal to be addressed includes e. coli bacteria reduction. Secondary benefits associated with these practices includes: phosphorus reduction, sediment reduction and ground water protection. Efforts will be targeted in priority watershed and towards focus resources with e. coli impairments. Reference Planning Region Priority Map on page 87 and Figure 5.7 on page 88. The estimated number of practices is only included as a target number for this grant cycle. The full suite of subsurface sewage treatment systems that provide pollution reductions towards our 10-year goals will be an option for landowners. All other practices will follow NRCS FOTG or other approved standards. Accomplishments will be reported as projects are completed.

### 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	Otter Tail WBIF FY25/26	\$25,000.00		\$25,000.00		N

## Activity Name: Tech Assistance & Engineering

**Activity Category:** Technical/Engineering Assistance

**Staff time?:** Yes

**Description:** Grant funds will be used to cover staff time associated with site assessments, surveys, preliminary analysis and design, final design, construction supervision, installation, inspection, and completion of projects. Engineered practices will be designed by staff with appropriate Job Approval Authority or a Licensed Engineer. All other practices will follow NRCS FOTG or other approved standards. Watershed based implementation funds will cover approximately 0.65 FTE. It is estimated that 60 percent of staff time will be spent in the Otter Tail River subwatershed and 40% in the Pelican River subwatershed. Reference Targeted Implementation Table Grouping Map on page 94. The estimated 0.65 FTE is only included as a target number for this grant cycle.

### 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	Otter Tail WBIF FY25/26	\$257,000.00		\$257,000.00		N

## Activity Name: Urban Stormwater Management Practices

**Activity Category:** Urban Stormwater Management Practices

**Staff time?:** No

**Description:** Financial assistance will be provided to landowners for the installation of an estimated 3 stormwater management practices. Primary goals addressed include phosphorus reduction, sediment reduction, and water retention. Secondary benefits associated with these practices include groundwater protection, bacteria reduction, and stream stability. Pollution reduction estimates associated with these practices include: 20 lbs per year phosphorus, 32 lbs per year of nitrogen, and 15 tons per year of sediment. Efforts will be targeted towards Detroit Lake, Lake St. Clair, and Lake Sallie. Reference planning region priority maps on page 70, 73, 83, and figure 5.5 on page 84. The estimated number of practices is only included as a target number for this grant cycle. The full suite of urban stormwater management practices that provide pollution reductions towards our 10-year goals will be an option for landowners. All other practices will follow NRCS FOTG or other approved standards. Accomplishments will be reported as projects are completed.

### 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	Otter Tail WBIF FY25/26	\$30,000.00		\$30,000.00		N