

# **Grant Progress Report**

## **Watershed Based Implementation 2024**

**Grant Title:** Pine River Watershed WBIF Phase 3

Grant ID: C24-0085

**Grantee:** Crow Wing SWCD

Fiscal Agent: Crow Wing SWCD

**Grant Day-to-Day Contact:** Melissa Barrick

**Grant Award (\$):** \$634,381.00

Required Match (%): 10

**Required Match (\$):** \$63,438.10

**Grant Execution Date:** 11/30/2023

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

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$634,381.00	\$480,244.43	\$154,136.57
Match Funds	\$92,500.00	\$131,855.26	(\$39,355.26)
Other Funds	\$0.00	\$0.00	\$0.00
Total	\$726,881.00	\$612,099.69	\$114,781.31

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

Project Abstract	The Pine River Watershed Policy Committee is ready to apply for its third phase of Watershed-based Implementation Funding.
	The phase 1 allocation has been completely spent and reconciled with BWSR. The Pine River Watershed Phase 2 allocation has
	spent/encumbered \$312,214.84 out of \$482,000. The remaining \$169,785.06 is mostly remaining in project development,
	technical assistance, and grant administration. Furthermore, some categories within the last work plan have been completely
	spent and continue to have landowners ready but on a waiting list. For example, 11 landowners are waiting to install shoreline
	restoration projects on priority lakes within the watershed. At this time, the LGU's are ready to apply for the next phase of
	funding.
Proposed Measurable Outcomes	-Write 25 forest stewardship plans for 2,500 acres.
	-retain 2.76 pounds of phos. and .77 tons of sediment from the Crosslake project
	-stabilize 250 linear ft of the Pine River

-host 6 smart salting trainings

-Implement shoreline restoration projects

Activity Name	Category	Source Type	Source Description	Budgeted	Spent	Balance Remaining	Match Fund?
Grant Administration	Administration/Coordination	Current State Grant	Pine River Watershed WBIF Phase 3	\$20,000.00	\$16,275.03	\$3,724.97	N
Pasture Management	Agricultural Practices	Current State Grant	Pine River Watershed WBIF Phase 3	\$45,000.00	\$14,709.11	\$30,290.89	N
Chloride Training	Education/Information	Current State Grant	Pine River Watershed WBIF Phase 3	\$5,000.00		\$5,000.00	N
Private Forest Management	Forestry Practices	Current State Grant	Pine River Watershed WBIF Phase 3	\$45,000.00	\$30,339.00	\$14,661.00	N
Project Development	Project Development	Current State Grant	Pine River Watershed WBIF Phase 3	\$30,000.00	\$32,669.73	(\$2,669.73)	N
Feasibility for Whitefish	Project Development	Current State Grant	Pine River Watershed WBIF Phase 3	\$25,000.00	\$0.00	\$25,000.00	N
Streambank Restoration Project	Streambank or Shoreline Protection	Current State Grant	Pine River Watershed WBIF Phase 3	\$125,000.00	\$104,175.00	\$20,825.00	N
Shoreline Buffers and Raingardens	Streambank or Shoreline Protection	Current State Grant	Pine River Watershed WBIF Phase 3	\$65,381.00	\$24,393.49	\$40,987.51	N
Marketing/Supplies	Supplies/Equipment	Current State Grant	Pine River Watershed WBIF Phase 3	\$9,000.00	\$2,168.99	\$6,831.01	N
Technical Assistance	Technical/Engineering Assistance	Current State Grant	Pine River Watershed WBIF Phase 3	\$50,000.00	\$40,514.08	\$9,485.92	N
Crosslake Phase III Stormwater Project	Urban Stormwater  Management Practices	Current State Grant	Pine River Watershed WBIF Phase 3	\$215,000.00	\$215,000.00	\$0.00	N
Match	Administration/Coordination	Landowner Fund	Landowner Contribution	\$92,500.00	\$131,855.26	(\$39,355.26)	Υ

Indicator Category	Proposed Indicator	Total Value	Unit
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	110	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	14	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	94	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	94	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	0	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	250	Tons/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	0	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	7	Lbs/Yr
Water Pollution (Reduction	Sediment (Tss)	0.77	Tons/Yr

Indicator Category	Final Indicator	Total Value	Unit
Stormwater Management	Volume Reduced (Acre- Feet/Year)	1.37	Acre-Feet/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	2.07	Lbs/Yr
Water Pollution (Reduction Estimates)	Total Suspended Solids (TSS)	1481.8	Mg/L
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	7.48	Lbs/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	80	Lbs/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	1.83	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	0.19	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	1.17	Tons/Yr

Indicator Category	Proposed Indicator	Total Value	Unit
Estimates)			
Water Pollution (Reduction Estimates)	Sediment (Tss)	0	Tons/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	0	Tons/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	0	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	2.76	Lbs/Yr

#### **Grant Activities**

# **Activity Name: Chloride Training**

Activity Category: Education/Information Staff time?: No

**Description:** Host smart salting training's for service providers, outreach to cities, resorts, and townships regarding salt management policies.

The plan identifies this activity on Page 98, Goal 7: Chlorides.

Source Type	Source Description	Budgeted	Spent	<b>Balance Remaining</b>	<u>Last Transaction Date</u> <u>Match Fund?</u>
Current State Grant	Pine River Watershed WBIF Phase 3	\$5,000.00		\$5,000.00	N

Actual Results	
<u>Results</u>	Date Added
No expenses have been spent.	1/23/2024 2:45:42 PM
No expenses have been spent. A contract is being written with Bolton and Menk to hold an in-person smart salting training not to exceed \$5,000.	12/18/2024 7:54:56 AM
Additional expenses were billed to this grant from workshops in 2024. The majority of costs were billed to the Federal 319 grant. We established a contract for the 2025 training.	4/22/2025 2:01:08 PM

## Activity Name: Crosslake Phase III Stormwater Project

Activity Category: Urban Stormwater Management Practices

**Description:** The project will install two raingardens and 3 hydrodynamic separators along a 1/2 mile stretch of HWY 66 in Crosslake. Crow Wing County is planning to install a roundabout near the Army Corps of Engineers property and near the new National Loon Center. The proposed BMP's will reduce 2.76 lbs of phosphorus and 1 tons of sediment that would flow into the Pine River.

Staff time?: No

The plan identifies this activity on page 91, Goal 2: Phosphorus Reduction. The activity calls for working with townships to ensure proper stormwater treatment.

### **Budget Details**

Source Type	Source Description	Budgeted	Spent	Balance Remaining	Last Transaction Date	Match Fund?
Current State Grant	Pine River Watershed WBIF Phase 3	\$215,000.00	\$215,000.00	\$0.00	04/16/2025	N

Results	<u>Date Added</u>
No expenses have been spent.	1/23/2024 2:46:24 PM
Funds have been encumbered and the project is installed. we are waiting on an invoice from the county.	12/18/2024 7:56:43 AM
Project has been installed and all funds have been spent	4/22/2025 11:05:43 AM

Final Indicators		
<u>Indicator</u>	Total Value	<u>Unit</u>
Phosphorus (Est. Reduction)	2.07	Lbs/Yr
Total Suspended Solids (TSS)	1481.8	Mg/L
Volume Reduced (Acre-Feet/Year)	1.37	Acre-Feet/Yr

Activity Action Name: Crosslake Stormwater-Bioretention Basin

Practice Type: 712M - Bioretention Basin

TA Provider/JAA: Private Consultant

Practice Description: 2 New bioretention areas and fixing an outdated/non-functioning bioretetion area.

Activity Count: 3

Size/Units: 4295 - Square Feet

Lifespan: 10 Years

Install Date: 10/26/2024

Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Total Suspended Solids	Mg/L	464.8	Literature Value	Pine River
(TSS)				
Phosphorus (Est.	Lbs/Yr	2.07	Literature Value	Pine River
Reduction)				
Volume Reduced (Acre-	Acre-Feet/Yr	1.37	Other	Pine River
Feet/Year)				

Activity Action Name: Crosslake Stormwater-Seperation

Practice Type: 812M - Screening, Straining, or Hydrodynamic Separation Practices

TA Provider/JAA: Private Consultant

Practice Description: 2 Hydrodynamic seperators for improved roadway layout.

Activity Count: 2

Size/Units: 2 - Count

Lifespan: 10 Years

Install Date: 10/26/2024

Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Total Suspended Solids	Mg/L	1017	Literature Value	Pine River
(TSS)				

## Activity Name: Feasibility for Whitefish

Activity Category: Project Development Staff time?: No

**Description:** Hire a consultant to assist with project planning and engineering assistance to develop project plans from Phase II feasibility study. Work may include design, communication with landowners, permits needed to do the work, pollution reduction, and other things needed to develop the project to be ready for implementation.

The plan identifies this activity on page 91, Goal 2: Phosphorus reduction. The implementation action is to inventory stormwater inputs draining into the Whitefish Chain.

### **Budget Details**

Source Type	Source Description	Budgeted	Spent	<b>Balance Remaining</b>	Last Transaction Date	Match Fund?
Current State Grant	Pine River Watershed WBIF Phase 3	\$25,000.00	\$0.00	\$25,000.00	01/31/2025	N

### **Actual Results**

<u>Results</u>	Date Added
No expenses have been spent.	1/23/2024 2:46:39 PM

## **Activity Name: Grant Administration**

Activity Category: Administration/Coordination Staff time?: No

**Description:** Complete required reporting, pay contractors, pay bills, track hours and expenses, organize policy committee and advisory committee meetings.

Source Type	Source Description	Budgeted	Spent	Balance Remaining	Last Transaction Date	Match Fund?
Current State Grant	Pine River Watershed WBIF Phase 3	\$20,000.00	\$16,275.03	\$3,724.97	10/31/2025	N

Actual Results	
Results	Date Added
No expenses have been spent.	1/23/2024 2:47:01 PM
13 hours for a total of \$723 has been spent.	12/18/2024 8:43:54 AM
65.75 Hours for a total of \$3,810.72 has been spent. Items included are paying contractors, tracking hours, paying landowners, and updating	4/22/2025 11:07:25 AM
the SWCD Board projects.	

# Activity Name: Marketing/Supplies

Activity Category: Supplies/Equipment Staff time?: No

**Description:** To pay for printing materials, advertisements, design costs, videos, Facebook ads, google ads, and other items needed to help recruit landowners. Other supplies that are needed for project activities.

## **Budget Details**

Source Type	Source Description	Budgeted	<u>Spent</u>	Balance Remaining	Last Transaction Date	Match Fund?
Current State Grant	Pine River Watershed WBIF Phase 3	\$9,000.00	\$2,168.99	\$6,831.01	09/30/2025	N

<u>Results</u>	<u>Date Added</u>
No expenses have been spent.	1/23/2024 2:47:16 PM
Signs for projects have been purchased and installed. Additionally, nitrate standard solutions and items for maintenance of the No-Till Drill	12/18/2024 8:45:03 AM
were purchased.	

## Activity Name: Match

Activity Category: Administration/Coordination

**Description:** Landowner contributions, matching funds from other grants

### **Budget Details**

Source Type	Source Description	Budgeted	Spent	Balance Remaining	<b>Last Transaction Date</b>	Match Fund?
Landowner Fund	Landowner Contribution	\$92,500.00	\$131,855.26	(\$39,355.26)	12/31/2024	Υ

### **Actual Results**

<u>Results</u>	<u>Date Added</u>
No activity	12/18/2024 8:46:53 AM
The Craw Wing CWCD reviewed Craw Wing County hills for the rain garden project and calculated and verified a match of \$121 PEC 26 as a	4/22/2025 2:00:20 DN4

The Crow Wing SWCD reviewed Crow Wing County bills for the rain garden project and calculated and verified a match of \$131,855.26 as a 4/22/2025 2:08:38 PM

local or federal match towards this grant.

## **Activity Name: Pasture Management**

Activity Category: Agricultural Practices Staff time?: No

**Description:** Implement agricultural best management practices on targeted parcels using PTMapp.

The South Fork sub-watershed has completed a PTMapp and will be used to identify specific landowners and practices. The plan identifies this activity on page 91, Goal 3: Pasture Management. Action items are to implement a grazing management system within the South Fork Sub-watershed and to install general water quality practices on ag land in the watershed.

Source Type	Source Description	Budgeted	Spent	Balance Remaining	<b>Last Transaction Date</b>	Match Fund?
Current State Grant	Pine River Watershed WBIF Phase 3	\$45,000.00	\$14,709.11	\$30,290.89	09/17/2025	N

#### **Actual Results** Results Date Added No expenses have been spent. 1/23/2024 2:47:32 PM 2 Cover Crop projects were installed in Cass County and a consultant was paid for outreach efforts. 12/18/2024 1:23:24 PM A temporary fencing project totaling 6 acres in Cass County was completed. Paid a contractor to assist with farm outreach to the Pine River 4/22/2025 11:09:46 AM Watershed. **Final Indicators Total Value** Unit Indicator Phosphorus (Est. Reduction) 7.48 Lbs/Yr Activity Action Name: Jon Rowell Activity Count: 1 Practice Type: 340 - Cover Crop Size/Units: 31 - Acres TA Provider/JAA: **SWCD** Lifespan: 1 Year Practice Description: Install Date: 08/02/2024 Mapped: Yes Indicator Name Units Value Calculation Tool Waterbody Phosphorus (Est. Lbs/Yr 3.38 PTMApp - Catchment Wilson Creek Reduction)

Activity Action Name:	Kyle Kevelin	Activity Count: 1
Practice Type:	340 - Cover Crop	Size/Units: 6 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:		Install Date: 10/03/2024
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est.	Lbs/Yr	4.1	HSPF SAM - 12 Digit HUC	Pine River
Reduction)				

## Activity Name: Private Forest Management

Activity Category: Forestry Practices Staff time?: No

**Description:** Complete 25 Forest Management Plans for 2500 acres. These plans will be developed by certified private forest plan writers. Landowners will enroll in the Sustainable Forest Incentive Act (SFIA) program, a conservation easement, or complete a Best Management Practice (BMP) written by a consultant or to an NRCS practice standard.

We will utilize Page 89 of the Pine River One Watershed One Plan to target landowners and in addition utilize RAQ scores from the Pine River Landscape Stewardship Plan.

## **Budget Details**

Source Type	Source Description	Budgeted	Spent	Balance Remaining	Last Transaction Date	Match Fund?
Current State Grant	Pine River Watershed WBIF Phase 3	\$45,000.00	\$30,339.00	\$14,661.00	09/17/2025	N

<u>Results</u>	<u>Date Added</u>
No expenses have been spent.	1/23/2024 2:47:45 PM
No expenses have been spent.	1/23/2024 2:47:58 PM
Sixteen plans have been written, and funds have been encumbered for another nine plans. These 25 plans together are 2,720 acres.	12/18/2024 1:57:49 PM
22 Plans have been written thus far. Funds are encumbered for an additional 6 plans.	4/22/2025 11:15:14 AM

## Activity Name: Project Development

Activity Category: Project Development Staff time?: No

**Description:** Staff time to help develop and implement grant objectives. Talking to landowners, developing contracts, working with lake associations, meetings, phone calls, and correspondence with partners. In addition, funds would hire a consultant to outreach to agricultural producers that were identified by PTMapp. The consultant would help promote conservation practices, develop project plans written to NRCS specifications, and provide technical assistance to producers.

### **Budget Details**

Source Type	Source Description	Budgeted	Spent	<b>Balance Remaining</b>	<b>Last Transaction Date</b>	Match Fund?
Current State Grant	Pine River Watershed WBIF Phase 3	\$30,000.00	\$32,669.73	(\$2,669.73)	04/30/2025	N

<u>Results</u>	Date Added
No expenses have been spent.	1/23/2024 2:48:13 PM
One hundred thirty-seven hours of project development time have been billed to this. Completed site visits with landowners for Ag, conservation easements, shoreline, forestry, and stormwater practices and completed monthly team meetings to discuss funding and project and encumbered funds.	12/18/2024 2:08:17 PM s
Four Hundred Seventy-four hour of project development time have been billed to this. Completed site visits with landowners for Ag, conservation easements, shoreline, forestry, and stormwater practices and completed monthly team meetings to discuss funding and project and encumbered funds.	4/22/2025 11:17:16 AM s

## Activity Name: Shoreline Buffers and Raingardens

**Activity Category:** Streambank or Shoreline Protection

Staff time?: No

**Description:** Implement near-shore stormwater infiltration best management practices on developed lots based off plan priority lakes.

Prioritization can be found on Page 102: Goal 11, Habitat Restoration. Projects will be prioritized on the lakes identified in the implementation table.

### **Budget Details**

Source Type	Source Description	Budgeted	Spent	<b>Balance Remaining</b>	Last Transaction Date	Match Fund?
Current State Grant	Pine River Watershed WBIF Phase 3	\$65,381.00	\$24,393.49	\$40,987.51	08/20/2025	N

### **Actual Results**

Results Date Added

4 shoreline projects have been implemented on priority lakes. An additional 11 projects have been encumbered for installation in 2025 and 1 12/18/2024 2:10:17 PM project encumbered for installation in 2026.

Seven projects previously encumbered were moved to another funding source. Funds for 6 projects remain encumbered.

4/22/2025 11:19:21 AM

#### **Final Indicators**

Indicator	<u>Total Value</u>	<u>Unit</u>
Soil (Est. Savings)	1.17	Tons/Yr
Sediment (Tss)	0.19	Tons/Yr
Phosphorus (Est. Reduction)	1.83	Lbs/Yr

Activity Action Name: F

Ruether

Practice Type:

327 - Conservation Cover

TA Provider/JAA:

**SWCD** 

Practice Description:

Activity Count: 1

Size/Units: 0.29 - Acres

Lifespan: 10 Years

Install Date: 05/29/2024

Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	0.06	Bwsr Calc (Sheet And Rill)	Clamshell
Phosphorus (Est.	Lbs/Yr	0.1	Bwsr Calc (Sheet And Rill)	Clamshell
Reduction)				

Activity Action Name:

Walseth

Practice Type:

327 - Conservation Cover

TA Provider/JAA:

SWCD

Practice Description:

Activity Count: 1

Size/Units: 0.032 - Acres

Lifespan: 10 Years

Install Date: 06/28/2024

Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Soil (Est. Savings)	Tons/Yr	1.17	Bwsr Calc (Sheet And Rill)	Roosevelt
Phosphorus (Est.	Lbs/Yr	1.55	Bwsr Calc (Sheet And Rill)	Roosevelt
Reduction)				

Activity Action Name: N

Noll

Practice Type:

327 - Conservation Cover

TA Provider/JAA:

**SWCD** 

Practice Description:

Activity Count: 1

Size/Units: 0.014 - Acres

Lifespan: 10 Years

Install Date: 07/29/2024

Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est.	Lbs/Yr	0.18	Bwsr Calc (Sheet And Rill)	Ossawinnamakee
Reduction)				
Sediment (Tss)	Tons/Yr	0.13	Bwsr Calc (Sheet And Rill)	Ossawinnamakee

## **Activity Name: Streambank Restoration Project**

**Activity Category:** Streambank or Shoreline Protection

Staff time?: No

**Description:** The bank directly downstream of the South Fork Pine River near the road crossing of 24th ST SW and 40th Ave SW west of Pine River will be stabilized using a toe wood-sod mat and regrading of the floodplain. The project will stabilize 250 linear feet of streambank channel using a combination of toe-wood, cedar revetments, rip rap, and a native shrub and seed component. The total phosphorus removal was estimated at 80 lbs./year and TSS at 94 tons/year.

The plan identifies this activity on page 102, Goal 11: Habitat Restoration. The action is to work with private landowners to install buffers along riparian lands. The project would reduce sediment and phosphorus from entering Lower Whitefish Lake.

Source Type	Source Description	Budgeted	Spent	Balance Remaining	Last Transaction Date	Match Fund?
Current State Grant	Pine River Watershed WBIF Phase 3	\$125,000.00	\$104,175.00	\$20,825.00	01/15/2025	N

## **Actual Results**

<u>Results</u>	<u>Date Added</u>
No expenses have been spent.	1/23/2024 2:48:26 PM
The project has been installed, and paid for.	12/18/2024 2:13:04 PM

12/18/2024 2:13:04 PM

## **Final Indicators**

Indicator	Total Value	<u>Unit</u>
Phosphorus (Est. Reduction)	80	Lbs/Yr

Activity Action Name: South Fork Pine Streambank Activity Count: 1

Practice Type: 584 - Stream Channel Stabilization Size/Units: 250 - Linear Feet

TA Provider/JAA: **Private Consultant**  Lifespan: Unknown

Practice Description: Streambank restoration and stablization project. Install Date:

Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est.	Lbs/Yr	80	Bwsr Calc (Stream & Ditch Stabilization)	Pine River
Reduction)				

## **Activity Name: Technical Assistance**

Activity Category: Technical/Engineering Assistance

Staff time?: No

**Description:** Funds will be used to design, survey, site visits, post site visits, communication with the contractor, work with landowners to install the BMP on their property. Some funds may be used to hire engineering services if needed depending on the scope of work required.

District technician staff will design and work with contractors to come up with site plans and sign off on projects with appropriate JAA by staff. If technicians do not have appropriate JAA, plans and project completion will be approved by NRCS staff.

#### District Technician Staff JAA-

Conservation Cover- 327, Shoreline Restoration- 580, Critical Area Planting- 342, Brush Management- 314, Early Successional Habitat Development- 647, Forest Stand Improvement- 666, Prescribed Burning- 338, Tree Shrub Site Prep- 490, Tree Shrub Establishment- 612

For projects requiring engineering services, plans, project installation, and project completion will be signed off on by the private sector or TSA 8 staff.

## **Budget Details**

Source Type	Source Description	Budgeted	Spent	Balance Remaining	Last Transaction Date	Match Fund?
Current State Grant	Pine River Watershed WBIF Phase 3	\$50,000.00	\$40,514.08	\$9,485.92	10/31/2025	N

<u>Results</u>	Date Added
No expenses have been spent.	1/23/2024 2:48:41 PM
Eighty-nine hours of staff time have been billed. Five project plans written by contractors have been reimbursed. Staff completed 11 project plans for cost-share funding in 2025.	12/18/2024 2:14:35 PM
One hundred twenty-two hours of staff time has been billed to this. Staff worked with landowners to close out projects and complete pollution calculation and map projects in eLINK.	4/22/2025 11:22:21 AM