



Grant Progress Report

Watershed Based Implementation FEB 2022

Grant Title: FY2022 Lake of the Woods WBIF

Grant Award (\$): \$621,173.00

Grant Execution Date: 03/23/2022

Grant ID: C22-2978

Required Match (%): 10

Grant End Date: 12/31/2024

Grantee: Lake of the Woods Watershed Joint Powers Board

Required Match (\$): \$62,117.30

Fiscal Agent: Lake of the Woods SWCD

Grant Day-to-Day Contact: Mike Hirst

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$621,173.00	\$182,755.38	\$438,417.62
Match Funds	\$62,118.00	\$0.00	\$62,118.00
Other Funds	\$418,695.20	\$418,695.20	\$0.00
Total	\$1,101,986.20	\$601,450.58	\$500,535.62

*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	FY2022 Lake of the Woods WBIF	\$56,500.00	\$13,940.77	\$42,559.23	N
Cost Share - Ag Practices	Agricultural Practices	Current State Grant	FY2022 Lake of the Woods WBIF	\$20,000.00		\$20,000.00	N
Education Initiatives	Education/Information	Current State Grant	FY2022 Lake of the Woods WBIF	\$29,000.00	\$10,739.30	\$18,260.70	N
Cost Share - Non-structural management practices	Non-Structural Management Practices	Current State Grant	FY2022 Lake of the Woods WBIF	\$25,000.00	\$10,500.00	\$14,500.00	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>
Cost Share - Forest Stewardship Plans	Planning and Assessment	Current State Grant	FY2022 Lake of the Woods WBIF	\$20,000.00	\$4,003.45	\$15,996.55	N
Project Development	Project Development	Current State Grant	FY2022 Lake of the Woods WBIF	\$50,000.00		\$50,000.00	N
Streambank and Shoreland Projects	Streambank or Shoreline Protection	Current State Grant	FY2022 Lake of the Woods WBIF	\$305,020.60	\$96,652.77	\$208,367.83	N
LW Co Ditch 1	Streambank or Shoreline Protection	Current State Grant	2020 - Lake of the Woods Watershed 1W1P	\$209,347.60	\$209,347.60	\$0.00	N
LW Co Ditch 1	Streambank or Shoreline Protection	Current State Grant	FY2022 Lake of the Woods WBIF	\$30,652.40	\$18,652.40	\$12,000.00	N
SSTS Cost Share	Subsurface Sewage Treatment Systems	Current State Grant	FY2022 Lake of the Woods WBIF	\$15,000.00	\$15,000.00	\$0.00	N
Implementation Match	Technical/Engineering Assistance	Local Fund	county, local, non-state	\$62,118.00		\$62,118.00	Y
Engineering and Technical Assistance	Technical/Engineering Assistance	Current State Grant	FY2022 Lake of the Woods WBIF	\$70,000.00	\$13,266.69	\$56,733.31	N

<i>Activity Category</i>	<i>Proposed Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Subsurface Sewage Treatment Systems	Water Pollution (Reduction Estimates)	90300000000000	Pathogens (E. Coli)
Subsurface Sewage Treatment Systems	Water Pollution (Reduction Estimates)	4	Phosphorus (Est. Reduction)
Subsurface Sewage Treatment Systems	Water Pollution (Reduction Estimates)	20	Nitrogen

<i>Activity Category</i>	<i>Proposed Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Non-Structural Management Practices	Water Pollution (Reduction Estimates)	6.5	Phosphorus (Est. Reduction)
Streambank or Shoreline Protection	Water Pollution (Reduction Estimates)	1	Phosphorus (Est. Reduction)

Activity Category	Proposed Indicator	Total Value	Unit
Treatment Systems	Estimates)		
Agricultural Practices	Water Pollution (Reduction Estimates)	17	Phosphorus (Est. Reduction)
Agricultural Practices	Water Pollution (Reduction Estimates)	17	Sediment (Tss)
Agricultural Practices	Water Pollution (Reduction Estimates)	17	Soil (Est. Savings)
Non-Structural Management Practices	Water Pollution (Reduction Estimates)	21.6	Phosphorus (Est. Reduction)
Streambank or Shoreline Protection	Water Pollution (Reduction Estimates)	50	Phosphorus (Est. Reduction)
Streambank or Shoreline Protection	Water Pollution (Reduction Estimates)	55	Sediment (Tss)
Streambank or Shoreline Protection	Water Pollution (Reduction Estimates)	50	Soil (Est. Savings)
Non-Structural Management Practices	Water Pollution (Reduction Estimates)	17	Sediment (Tss)
Non-Structural Management Practices	Water Pollution (Reduction Estimates)	43.39	Nitrogen

Activity Category	Proposed Indicator	Total Value	Unit
Subsurface Sewage Treatment Systems	Water Pollution (Reduction Estimates)	9030000000000	Pathogens (E. Coli)
Subsurface Sewage Treatment Systems	Water Pollution (Reduction Estimates)	4	Phosphorus (Est. Reduction)
Subsurface Sewage Treatment Systems	Water Pollution (Reduction Estimates)	20	Nitrogen
Streambank or Shoreline Protection	Water Pollution (Reduction Estimates)	5	Sediment (Tss)
Streambank or Shoreline Protection	Water Pollution (Reduction Estimates)	2	Phosphorus (Est. Reduction)
Streambank or Shoreline Protection	Water Pollution (Reduction Estimates)	4	Phosphorus (Est. Reduction)
Non-Structural Management Practices	Water Pollution (Reduction Estimates)	12	Phosphorus (Est. Reduction)
Non-Structural Management Practices	Water Pollution (Reduction Estimates)	.5	Sediment (Tss)
Non-Structural Management Practices	Water Pollution (Reduction Estimates)	122.5	Nitrogen

<i>Activity Category</i>	<i>Proposed Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Practices			
Streambank or Shoreline Protection	Water Pollution (Reduction Estimates)	17	Phosphorus (Est. Reduction)
Streambank or Shoreline Protection	Water Pollution (Reduction Estimates)	100	Sediment (Tss)
Streambank or Shoreline Protection	Water Pollution (Reduction Estimates)	230	Phosphorus (Est. Reduction)
Streambank or Shoreline Protection	Water Pollution (Reduction Estimates)	25	Sediment (Tss)

<i>Activity Category</i>	<i>Proposed Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Streambank or Shoreline Protection	Water Pollution (Reduction Estimates)	4	Sediment (Tss)
Streambank or Shoreline Protection	Water Pollution (Reduction Estimates)	11	Sediment (Tss)
Non-Structural Management Practices	Water Pollution (Reduction Estimates)	348	Nitrogen
Non-Structural Management Practices	Water Pollution (Reduction Estimates)	23.2	Phosphorus (Est. Reduction)
Non-Structural Management Practices	Water Pollution (Reduction Estimates)	175.2	Nitrogen
Streambank or Shoreline Protection	Water Pollution (Reduction Estimates)	230	Phosphorus (Est. Reduction)
Streambank or Shoreline Protection	Water Pollution (Reduction Estimates)	100	Sediment (Tss)
Non-Structural Management Practices	Water Pollution (Reduction Estimates)	4	Sediment (Tss)
Non-Structural Management	Water Pollution (Reduction Estimates)	45.6	Sediment (Tss)

Activity Category	Proposed Indicator	Total Value	Unit
Practices			

Grant Activities

Activity Name: Administration/Coordination

Activity Category: Administration/Coordination

Staff time?: Yes

Description: Perform actions essential for the coordination and implementation of the Watershed Management Plan. A Joint Powers Board oversees the implementation funding. LW SWCD will provide fiscal coordination, and Roseau and LW SWCDs will serve as co-coordinators.

Duties of the Co-coordinator positions: Coordinate and participate in monthly project team meetings and quarterly board meetings for the purpose of administering the plan. Ensure that meetings of the JPE follow Open Meeting Law requirements. Document meetings and create board agendas. Oversee and advise on policy development. Review all requests for payment to ensure they meet BWSR and CWF funding policies. Provide quarterly financial reports and progress towards measurable goals to JPE and BWSR. Complete BWSR reporting requirements for the implementation of the funds. Maintain communication and build relationships with agency partners to further implement and document accomplishment towards goals of the plan. Track and measure progress towards goals and milestones. Estimated staff time approximately 350 hours per year, or 30 hours per month.

Duties for fiscal coordination will include: manage the accounting system in Quickbooks to track funds, develop a separate financial accounting system to track individual grants and activity balances, review and process all requests for payment on a monthly basis, provide quarterly financial reports to the JPE board, oversee expenditures of grants according to BWSR policy, document match requirements, submit payroll reports and manage insurance and audit requirements. Estimated staff time approximately 150 hours per year, or 10-12 hours per month.

JPE Base Costs: This funding will cover base costs for the Joint Powers Entity, including but not limited to: annual MCIT insurance, member per diems and mileage, independent audit for JPE, meeting space, website, and office supplies. Cost per year for JPB organization base costs is \$10,000.

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	FY2022 Lake of the Woods WBIF	\$56,500.00	\$13,940.77	\$42,559.23	12/31/2022	N

Actual Results

As of 12/31/22

Funding was used for holding Joint Powers Board meetings and bi-monthly implementation committee meetings. LW SWCD serves as the fiscal agent for the grant and also as co-coordinator. Roseau SWCD serves a role as co-coordinator. Administration fees were incurred by both SWCDs for these services. Administration includes preparing and hosting meetings, managing financials of the JPB, developing work plans and agreements for use of WBIF funding and tracking finances and accomplishments.

Activity Name: Cost Share - Ag Practices

Activity Category: Agricultural Practices

Staff time?: No

Description: Funding will be utilized for an Ag Best Management Practices cost share program for the Muskeg, Bostic, Zippel and Warroad watersheds targeting structural ag practices.

Utilize the PTMApp to identify and target locations for practices and perform site investigations and landowner outreach. A total of 5 sidewater inlets or other grade stabilization structures will be targeted for installation. Other structural practices may be allowed if they meet the NRCS eFOTG or other acceptable standards and will reduce sediment, soil and phosphorus contributions.

Roseau and Lake of the Woods County Highway Departments may also request funding for projects that will provide multi-purpose drainage water management. A cost share policy will be developed and approved by the Joint Powers Board prior to implementation.

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	FY2022 Lake of the Woods WBIF	\$20,000.00		\$20,000.00		N

Actual Results

As of 12/31/22-

Project site investigations were conducted but no construction occurred.

Activity Name: Cost Share - Forest Stewardship Plans

Activity Category: Planning and Assessment

Staff time?: No

Description: This activity is a continuation of efforts initiated during the FY20 implementation funding grant cycle. A cost share program to fund costs associated with the development of a Forest Stewardship Plan is available for landowners who have eligible forest lands. The program prioritizes parcels within riparian areas in the Bostic, Warroad, Muskeg and Zippel watersheds. The cost share program will supplement EQIP program funding for forest management plans, or will provide standalone funding if EQIP funding is unavailable.

Targeted areas will include privately owned forests >20 acres in size currently not enrolled in the Sustainable Forests Incentive Act. The goal will be to provide forest management plans that include actions to protect water quality or sensitive habitat areas, along with providing further guidance on how to enroll in the SFIA easement program. SWCD staff have worked with the Area GIS specialist to develop a targeting strategy for projects based on RAQ scoring and priorities within the plan.

The cost share program is implemented by Lake of the Woods SWCD. A policy has been developed and reviewed by the Joint Powers Board. All applications and final payments are reviewed and approved by the Lake of the Woods SWCD board.

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	FY2022 Lake of the Woods WBIF	\$20,000.00	\$4,003.45	\$15,996.55	12/31/2022	N

Actual Results

As of 12/31/22:

*Olson Family and Olson Land contracts completed. 117 acres and 82 acres, respectively.

*Hahn forest management plan, 165 acres

*Blaeser forest management plan, 77 acres

Anticipated new SFIA acreage (not already currently enrolled) is 431 acres.

Activity Name: Cost Share - Non-structural management practices

Activity Category: Non-Structural Management Practices

Staff time?: No

Description: Funding will be utilized for an Ag Best Management Practices cost share program for the Muskeg, Bostic, Zippel and Warroad watersheds for non-structural management practices on priority parcels targeted by the PTMApp.

Non-structural management practices will include cover crops, no-till, residue management, nutrient management, reduced till, or other acceptable non-structural management practices that will provide source reduction. Non-structural management practices will be targeted on 200 acres in years 2022 and 2023.

A non-structural cost share policy for cover crops has been developed, and additional non-structural policies will be developed and approved by the Joint Powers Board prior to implementation.

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	FY2022 Lake of the Woods WBIF	\$25,000.00	\$10,500.00	\$14,500.00	12/31/2022	N

Actual Results

As of 12/31/22

*3 cover crops contracts approved for total of 210 acres. One 1-year contract and two 3-year contracts.

*210 acres of cover crop planned and installed in 2022

Final Indicators		
<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Sediment (Tss)	4	Lbs/Yr
Nitrogen	175.2	Ppq
Phosphorus (Est. Reduction)	12	Ppb
Phosphorus (Est. Reduction)	23.2	Ppb
Sediment (Tss)	45.6	Lbs/Yr
Sediment (Tss)	0.5	Lbs/Yr
Phosphorus (Est. Reduction)	6.5	Ppb
Nitrogen	348	Ppq
Nitrogen	122.5	Ppq

Activity Action Name: Non Structural	Activity Count: 1
Practice Type: 340 - Cover Crop	Size/Units: 80 - Acres
TA Provider/JAA: SWCD	Lifespan: 1 Year
Practice Description:	Install Date: 09/13/2022
	Mapped: Yes

Indicator Name/Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	45.6	PTMApp - Priority Resource	Lake of the Woods Catch 20
Phosphorus (Est. Reduction)	12	PTMApp - Priority Resource	Lake of the Woods Catch 20
Nitrogen	175.2	PTMApp - Priority Resource	Lake of the Woods Catch 20
Nitrogen	175.2	PTMApp - Priority Resource	Lake of the Woods Catch 20

Activity Action Name: Non-Structural	Activity Count: 1
Practice Type: 340 - Cover Crop	Size/Units: 80 - Acres
TA Provider/JAA: SWCD	Lifespan: 1 Year
Practice Description:	Install Date: 09/16/2022
	Mapped: Yes

Indicator Name/Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	4	PTMApp - Priority Resource	Lake of the Woods Catch 20
Phosphorus (Est. Reduction)	23.2	PTMApp - Priority Resource	Lake of the Woods Catch 20
Nitrogen	348	PTMApp - Priority Resource	Lake of the Woods Catch 20
Nitrogen	348	PTMApp - Priority Resource	Lake of the Woods Catch 20

Activity Action Name: Non structural	Activity Count: 1
Practice Type: 340 - Cover Crop	Size/Units: 50 - Acres
TA Provider/JAA: SWCD	Lifespan: 1 Year
Practice Description:	Install Date: 08/11/2022
	Mapped: Yes

Indicator Name/Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	.5	PTMApp - Priority Resource	Lake of the Woods Catch 11
Phosphorus (Est. Reduction)	6.5	PTMApp - Priority Resource	Lake of the Woods Catch 11
Nitrogen	122.5	PTMApp - Priority Resource	Lake of the Woods Catch 11
Nitrogen	122.5	PTMApp - Priority Resource	Lake of the Woods Catch 11

Activity Name: Education Initiatives

Activity Category: Education/Information

Staff time?: Yes

Description: Implement education initiatives that will accomplish goals outlined in the Lake of the Woods One Watershed One Plan. Education efforts will support projects and practices identified in 2022-23 implementation funding. Education is key to increasing the adoption of BMPs and increasing natural resource protection.

Activities include:

*Lake of the Woods Keep it Clean Program - Keep it Clean is a movement to support sustainable use of Lake of the Woods, especially during the ice fishing season, and encourage recreationists to clean up their trash and use the lake responsibly. This funding will cover costs for 10 banners and other promotional materials for the Keep it Clean Program which will be distributed throughout the LOW Watershed to over 20 businesses. It will also be used for a targeted online presence using paid-for marketing techniques to target specific users. Staff time will be spent on organizing two annual shoreline cleanups covering over 10 miles each year, conducting 6 or more committee meetings per year, and distributing and installing all promotional items. Total allocation is approximately \$9,500 per year, which approximately 50% dedicated to staff time. (see rates/hours)

*Targeted Outreach - the implementation committee will target outreach to promote watershed-wide programs funded through WBIF. These cost share programs include Ag Practices, the cover crop program and the forest management plan program. A minimum of two direct mailings will be completed per year to target priority landowners which have been prioritized through the PTMapp or RAQ forestry scoring. Two workshops will be held on specific initiatives within the watershed. SWCDs will include information on the watershed in newsletters to be distributed annually. \$10,000 is budgeted for education efforts over the course of two years. Funds will help cover costs of speaker fees, printing, distribution and graphic design services.

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	FY2022 Lake of the Woods WBIF	\$29,000.00	\$10,739.30	\$18,260.70	12/31/2022	N

Actual Results

*Annual Geotargeting campaign to promote the Keep it Clean program via social media and 4,000 new coasters printed

*5,500 coasters, 276 tabletop tents and 125 brochures were distributed to around 25 locations within Lake of the Woods County.

*flooding in spring of 2022 prevented a shoreline cleanup but a grant application was submitted for 2023

*Two workshops with Sustainable Farming Association for soil health management. Over 20 attendees throughout.

Activity Name: Engineering and Technical Assistance

Activity Category: Technical/Engineering Assistance

Staff time?: No

Description: TSA Engineers, private consultants or local staff with JAA will complete field investigations, surveys, design and perform construction inspection for projects prioritized in the Plan.

*LW Shoreline Protection Projects - funding will be utilized for survey and design of 300 linear feet on Lake of the Woods. An engineering consultant currently retained by LW SWCD will engineer and oversee the projects. These projects will be installed in the next round of watershed-based funding or will leverage other cost share fund pools. Landowners typically contributed \$600 to receiving engineering assistance. Approx. \$34,000 is budgeted for professional engineering services.

*Warroad Watershed Shoreline Projects - a private engineering consultant is currently retained by the Watershed District to oversee this project. Four sites at approximately 100 linear feet each will be installed in 2022. Three additional sites for a total of approximately 455 feet will be surveyed and designed, with construction slated for 2024 funding. This activity addresses elevated concentrations of sediment and phosphorus in the Watershed. The WD has requested an \$22,000 to fund this existing cost share program.

*Phase 2 - Peatland Project - 20 sites have been identified for water storage based on phase 1 investigation on the impacts of water storage in the Warroad watershed. Of the total 20 identified project sites, the consultant will survey, design and file necessary permits on a minimum of 8 sites. The goal is to have the sites ready for construction in 2024. At the Warroad River Bridge in Warroad, these projects will seek to reduce up to 12% sediment reduction and 6% volume flow reduction from the West Branch, 3% sediment reduction and 1% volume flow reduction from the East Branch, and 1% sediment reduction, 2% peak flow reduction, and 1% volume reduction from County Ditch 10. The WD has requested \$14,000 additional funds to support this effort.

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	FY2022 Lake of the Woods WBIF	\$70,000.00	\$13,266.69	\$56,733.31	12/31/2022	N
Actual Results						
As of 12/31/22						
*Engineering services for design, in-construction consultation, and post-construction certification from private engineering firm. Completed installation of 1 shoreline project and prepared plan sets to 90% for two additional sites to be installed in 2023.						
*2 Warroad River Streambank Protection Project designs have been completed. Construction is planned for the 2023 season. One site is a priority project, W-7.						
*Warroad Watershed District is continuing discussion with the DNR to obtain permits on potential project sites.						

Activity Name: Implementation Match						
Activity Category: Technical/Engineering Assistance					Staff time?: No	
Description: This activity captures matching funds towards the implementation of the Watershed Based Implementation Grant. Matching funds and sources will be varied based on individual partner agreements. Match sources will be tracked separately from eLink and attached as part of the grant reporting process.						
Match will include: cash contributions towards project engineering and development, in-kind and cash match for installation of practices, in-kind contributions from partners. All match will be non-state sources as required.						
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>
Local Fund	county, local, non-state	\$62,118.00		\$62,118.00		Y
Actual Results						

Activity Name: LW Co Ditch 1

Activity Category: Streambank or Shoreline Protection

Staff time?: No

Description: The workplan was amended to remove Ditch 10 and add Lake of the Woods County Ditch 1 slope stabilization. Engineering will be completed by contracted firm, with oversight from LW County Public Works Department. The project will utilize both FY20 and FY22 WBIF funds, in addition to state-aid funds. A one-mile stretch of County Ditch 1 will be stabilized. This project will reduce flows within this stretch of drainage system by an estimated 15%, in addition to reducing sediment and phosphorus.

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	2020 - Lake of the Woods Watershed 1W1P	\$209,347.60	\$209,347.60	\$0.00	10/31/2022	N
Current State Grant	FY2022 Lake of the Woods WBIF	\$30,652.40	\$18,652.40	\$12,000.00	11/01/2022	N

Actual Results

10/31/22 - completion of the Ditch 1 stabilization project in Lake of the Woods county. One mile stretch of ditch was stabilized using a combination of rock checks and resloping. Sidewater inlets were also installed.

The final project certification will be completed in 2023 once vegetation establishment can be verified.

Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Phosphorus (Est. Reduction)	230	Ppb
Sediment (Tss)	100	Lbs/Yr

Activity Action Name: Lo Co Ditch 1			Activity Count: 1
Practice Type: 580 - Streambank and Shoreline Protection			Size/Units: 1 - Acre-Feet/Yr
TA Provider/JAA: Private Consultant			Lifespan: 10 Years
Practice Description: Grade stabilization, resloping, sidewater inlets, rock checks.			Install Date:
			Mapped: Yes
Indicator Name/Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	100	Other	Zippel
Phosphorus (Est. Reduction)	230	Other	Zippel

Activity Name: Project Development

Activity Category: Project Development

Staff time?: No

Description: Funding for this activity will be used to contract for services for an Ag Specialist who will serve as a program coordinator. The implementation funds have created an increased workload, and workloads have exceeded the capacity of existing staff. The implementation committee is currently exploring the possibility of direct contract with a local producer, or possibly creating an Ag Extension Agent position that could provide services to the watershed.

The implementation committee will develop a position description and scope of work which would be approved by the JPB. The main role of this position will be to assist the JPB and Implementation Committee with developing and implementing a non-structural management practice program. As part of this role, the Ag Specialist would be responsible for meeting onsite with landowners and helping to build a communication network. The Ag Specialist will also meet with producers onsite to discuss program opportunities. They will also provide recommendations to the implementation committee on ag management practices which would benefit water quality. Initially, the SWCD and NRCS staff will be responsible for implementing contracts and serving as the TAA.

Funding is for a part-time position currently, which is a conservative estimate based on the infancy of this program and limited timeframe of the available grant funding. It is possible this role may grow into something more substantial if the right opportunity and individual presents itself.

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	FY2022 Lake of the Woods WBIF	\$50,000.00		\$50,000.00		N
Actual Results						
As of 12/31/22						
*No expenses incurred for this activity.						
*Contracted with Sustainable Farming Association to provide local opportunities for soil health education						
*Continued to discuss options for local cost share policies and programs						

Activity Name: SSTS Cost Share

Activity Category: Subsurface Sewage Treatment Systems **Staff time?:** No

Description: Implementation of a low-income SSTS cost share program within the Lake of the Woods County portion of the watershed. Failing SSTS systems will be the target. One SSTS system will be completed. Typical cost of a SSTS system in Lake of the Woods ranges from \$12,500-\$15,000 including electrical hookup.

Lake of the Woods County LWPO has developed the tiered funding system for this program based on income levels. Cost share ranges from 50-100% of the total cost.

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	FY2022 Lake of the Woods WBIF	\$15,000.00	\$15,000.00	\$0.00	10/31/2022	N

Actual Results

As of 12/31/22

*Utilize funding to pay for portions of two failing ISTS upgrades through LW County ISTS program. *Funds were utilized in conjunction with other grant programs to maximize number of systems installed.

*Pollution reductions claimed at 50% rate for each system.

*This Activity is complete unless additional funding becomes available.

Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Nitrogen	20	Ppq
Phosphorus (Est. Reduction)	4	Ppb
Pathogens (E. Coli)	9030000000000	Count

Activity Action Name: SSTS upgrade	Activity Count: 1
Practice Type: 126M - Septic System Improvement	Size/Units: 1 - Acre-Feet/Yr
TA Provider/JAA: Private Consultant	Lifespan: 10 Years
Practice Description: Two systems installed but funds used only covered 50% of each, therefore reporting as one complete system.	Install Date: 10/31/2022
	Mapped: No

Indicator Name/Units	Value	Calculation Tool	Waterbody
Pathogens (E. Coli)	9030000000000	Septic System Improvement Estimator (SSIE)	Lake of the Woods
Phosphorus (Est. Reduction)	4	Septic System Improvement Estimator (SSIE)	Lake of the Woods
Nitrogen	20	Septic System Improvement Estimator (SSIE)	Lake of the Woods
Nitrogen	20	Septic System Improvement Estimator (SSIE)	Lake of the Woods

Activity Name: Streambank and Shoreland Projects

Activity Category: Streambank or Shoreline Protection

Staff time?: No

Description: Complete shoreline stabilization practices in the Lake of the Woods Watershed to prevent erosion and sedimentation, protect infrastructure and repair areas damaged from flooding.

*LW Shoreline Protection Projects - Implementation of 300 ft of riprap on LW utilizing a DNR-authorized design. LW SWCD will utilize state cost share policy. Standard cost share rates do not exceed 75%. Survey will be completed by SWCD staff, and design will be completed by engineering firm with experience in designing projects on LW. This sub-activity will utilize 1/4 of funds budget for this activity.

*Warroad Watershed Shoreline Protection Projects - Implementation of four shoreline protection projects on the Warroad River, for a total of 400 linear feet of protection. Warroad WD will oversee the projects and will work with private landowners and a private consultant to survey, design and implement. Standard cost share rate is 90%, based on WWD policy. Approximately 1/2 of the funds budgeted for this activity.

*LW and Roseau County drainage system - partners will implement stabilization and protection projects along on a 1-mile stretch of JD22 and 75 feet along JD16. Reaches identified are within close proximity to Lake of the Woods and have been highlighted as priority reaches. In addition to repairs, sidewater inlets or protected outfalls will be investigated and installed as needed. \$30,000 is earmarked for this project.

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	FY2022 Lake of the Woods WBIF	\$305,020.60	\$96,652.77	\$208,367.83	12/31/2022	N

Actual Results

*Completed 260 linear feet of shoreline protection on Lake of the Woods. Funding for this project was mainly through two fiscal years of State Cost Share allocations and so mapping and pollution reductions were reported via those funding sources.

*LW/Roseau JD22 projects were completed but payments and reporting will be done under 2023 due to timing of invoices submitted.

*Completed 260 linear feet of streambank protection on the Warroad River.

Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Sediment (Tss)	5	Lbs/Yr
Sediment (Tss)	4	Lbs/Yr
Phosphorus (Est. Reduction)	2	Ppb
Phosphorus (Est. Reduction)	4	Ppb
Sediment (Tss)	11	Lbs/Yr
Phosphorus (Est. Reduction)	1	Ppb

Activity Action Name:	Warroad Watershed District - Anacabe	Activity Count: 1
Practice Type:	580 - Streambank and Shoreline Protection	Size/Units: 65 - Cfu
TA Provider/JAA:	Private Consultant	Lifespan: 10 Years
Practice Description:	Streambank stabilization project of the Warroad Watershed District	Install Date: 11/01/2022
		Mapped: Yes

Indicator Name/Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	5	Other	Warroad River
Phosphorus (Est. Reduction)	2	Other	Warroad River

Activity Action Name:	Warroad Watershed District - Lundemo	Activity Count: 1
Practice Type:	580 - Streambank and Shoreline Protection	Size/Units: 45 - Cfu
TA Provider/JAA:	Private Consultant	Lifespan: 10 Years
Practice Description:	Streambank stabilization project of the Warroad Watershed District	Install Date: 11/01/2022
		Mapped: Yes

Indicator Name/Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	4	Other	Warroad River
Phosphorus (Est. Reduction)	1	Other	Warroad River

Activity Action Name:	Warroad Watershed District - Eichenberger	Activity Count: 2
Practice Type:	580 - Streambank and Shoreline Protection	Size/Units: 150 - Cfu
TA Provider/JAA:	Private Consultant	Lifespan: 10 Years
Practice Description:	Streambank stabilization project in the Warroad Watershed District	Install Date: 11/01/2022
		Mapped: Yes

Indicator Name/Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	11	Other	Warroad River
Phosphorus (Est. Reduction)	4	Other	Warroad River