



Grant All-Detail Report

Watershed Based Implementation Funding Phase I 2020

Grant Title - Leech Lake River Watershed Implementation

Grant ID - C20-9358

Organization - Cass SWCD

Original Awarded Amount	\$598,115.00	Grant Execution Date	3/20/2020
Required Match Amount	\$59,811.50	Original Grant End Date	12/31/2022
Required Match %	10%	Grant Day To Day Contact	John Ringle
Current Awarded Amount	\$598,115.00	Current End Date	12/31/2022

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$598,115.00	\$302,069.49	\$296,045.51
Total Match Amount	\$60,000.00	\$470,254.00	\$-410,254.00
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$658,115.00	\$772,323.49	\$-114,208.49

**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	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Agricultural BMP's	Agricultural Practices	Current State Grant	Leech Lake River Watershed Implementation	\$56,000.00			N
Chloride Reduction	Special Projects	Current State Grant	Leech Lake River Watershed Implementation	\$25,002.00	\$30,000.00	9/3/2021	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
City of Walker Stormwater BMP's	Urban Stormwater Management Practices	Current State Grant	Leech Lake River Watershed Implementation	\$116,420.00	\$116,420.00	1/7/2021	N
City of Walker Stormwater BMP's	Urban Stormwater Management Practices	Local Fund	City of Walker	\$60,000.00	\$470,254.00	11/17/2020	Y
Culvert Inventory and Database Creation	Inventory/Mapping	Current State Grant	Leech Lake River Watershed Implementation	\$7,172.92	\$7,165.19	11/4/2021	N
Culvert Replacement	Special Projects	Current State Grant	Leech Lake River Watershed Implementation	\$80,000.00			N
Grant Administration	Administration/Coordination	Current State Grant	Leech Lake River Watershed Implementation	\$30,000.00	\$7,503.54	10/15/2021	N
Municipal Stormwater Mapping and Assessment	Inventory/Mapping	Current State Grant	Leech Lake River Watershed Implementation	\$20,000.00	\$19,992.43	11/17/2021	N
Private Forest Management	Forestry Practices	Current State Grant	Leech Lake River Watershed Implementation	\$20,911.77	\$11,464.32	10/7/2021	N
Project Development	Project Development	Current State Grant	Leech Lake River Watershed Implementation	\$125,998.00	\$54,688.12	12/6/2021	N
Shoreland stabilization and buffers	Streambank or Shoreline Protection	Current State Grant	Leech Lake River Watershed Implementation	\$77,010.31	\$23,714.25	11/4/2021	N
Technical Services	Technical/Engineering Assistance	Current State Grant	Leech Lake River Watershed Implementation	\$39,600.00	\$31,121.64	5/25/2021	N

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
147M - Forestry Management	1	1	68 AC	68 AC
147M - Forestry Management	1	1	30 AC	28 AC

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
580 - Streambank and Shoreline Protection	1	1	50 LINEAR FEET	50 LINEAR FEET
638 - Water and Sediment Control Basin	2	2	2 COUNT	2 COUNT
147M - Forestry Management	1	1	36 AC	36 AC
147M - Forestry Management	1	1	33.43 AC	34.43 AC
147M - Forestry Management	1	1	429 AC	429 AC
147M - Forestry Management	1	1	54 AC	54 AC
147M - Forestry Management	1	2	218 AC	218 AC
147M - Forestry Management	1	1	100.64 AC	100.64 AC
147M - Forestry Management	2	3	100.12 AC	100.12 AC
304M - Drainage System Inventory	7		1 COUNT	1 COUNT
503M - Chloride - Reduction	1		1 COUNT	1 COUNT
587 - Structure for Water Control	1	1	84 LINEAR FEET	84 LINEAR FEET
147M - Forestry Management	1	1	50 AC	50 AC
147M - Forestry Management	1	1	160 AC	160 AC
390 - Riparian Herbaceous Cover	1	1	1300 SQUARE FEET	1300 SQUARE FEET
390 - Riparian Herbaceous Cover	1	1	1500 SQUARE FEET	1500 SQUARE FEET
147M - Forestry Management	1	1	39.36 AC	39.36 AC
147M - Forestry Management	1	1	37 AC	37 AC
503M - Chloride - Reduction	2		2 COUNT	2 COUNT
147M - Forestry Management	2	2	39 AC	39 AC
300M - Contaminant Source Inventory	4		4 COUNT	4 COUNT
147M - Forestry Management	1	1	74 AC	74 AC
147M - Forestry Management	1	1	74.7 AC	74.7 AC
147M - Forestry Management	1	1	123 AC	123 AC
147M - Forestry Management	1	2	75 AC	75 AC
147M - Forestry Management	1	1	272 AC	272 AC

Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
City of Walker Stormwater BMP's	SEDIMENT (TSS)	15 TONS/YR	Leech LAke	P8 Urban Catchment Model	

Final Indicators Summary

Indicator Name	Total Value	Unit
NITROGEN	16.50	LBS/YR
SEDIMENT (TSS)	3,000.00	TONS/YR
CHLORIDE	30.00	TONS/YR
PHOSPHORUS (EST. REDUCTION)	7.28	LBS/YR

Grant Activity

Grant Activity - Agricultural BMP's	
Description	Work with agricultural producers to implement BMP's that maintain or enhance existing water quality. Most are beef producers that will need exclusion fences and alternate watering systems.
Category	AGRICULTURAL PRACTICES
Start Date	End Date
Has Rates and Hours?	No
Actual Results	

Grant Activity - Chloride Reduction			
Description	Work with Local Road Authorities to acquire new technology for reducing the amount of chloride needed annually.		
Category	SPECIAL PROJECTS		
Start Date	1-Oct-20	End Date	
Has Rates and Hours?	No		
Actual Results	Assisted in purchasing chloride reduction equipment for Cass County Highway Dept. to be able to reduce winter chloride use by 30%, using salt brining equipment.		

Activity Action - Cass County Chloride Reduction			
Practice	503M - Chloride - Reduction	Count of Activities	2
Description	Purchase of Brining equipment for Cass County Highway Dept.		
Proposed Size / Units	2.00 COUNT	Lifespan	Unknown
Actual Size/Units	2.00 COUNT	Installed Date	8-Jan-21
Mapped Activities	No	Technical Assistance Provider	Private Consultant

Final Indicator for Cass County Chloride Reduction			
Indicator Name	CHLORIDE	Value	15
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Unknown
Waterbody	Leech Lake		

Activity Action - Hubbard County Chloride Reduction			
Practice	503M - Chloride - Reduction	Count of Activities	1
Description	Purchase of Brining Equipment by Hubbard County Highway Dept.		
Proposed Size / Units	1.00 COUNT	Lifespan	Unknown
Actual Size/Units	1.00 COUNT	Installed Date	
Mapped Activities	No	Technical Assistance Provider	Private Consultant

Final Indicator for Hubbard County Chloride Reduction			
Indicator Name	CHLORIDE	Value	15
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Unknown
Waterbody	Kabekona Lake		

Grant Activity - City of Walker Stormwater BMP's

Description	Purchase of 2 stormceptors that are part of a 4 million dollar storm water project being done in 2020. This project will remove 15 tons of sediment annually.		
Category	URBAN STORMWATER MANAGEMENT PRACTICES		
Start Date	1-Jun-20	End Date	
Has Rates and Hours?	No		
Actual Results	Cost-share project with the City of Walker on their Northside Street Project. We funded 2 "Preventer" sediment Control Structures designed to remove sediment, floating debris and associated nutrients from municipal stormwater prior to being discharged into Leech Lake. Also included was 84 ft. of 4' arched culvert to improve hydraulic connectivity and fish passage between Lake May and Leech Lake.		

Activity Action - Lake May Creek Culvert Replacement			
Practice	587 - Structure for Water Control	Count of Activities	1
Description	Purchase and installation of a 84 foot squashed arch concrete culvert.		
Proposed Size / Units	84.00 LINEAR FEET	Lifespan	Unknown
Actual Size/Units	84.00 LINEAR FEET	Installed Date	10-Nov-20
Mapped Activities	1 Point(s)	Technical Assistance Provider	Private Consultant

Final Indicator for Lake May Creek Culvert Replacement			
Indicator Name	SEDIMENT (TSS)	Value	500
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Leech		

Activity Action - Stormwater Treatment Structures			
Practice	638 - Water and Sediment Control Basin	Count of Activities	2
Description	Installation of 2 Stormwater Manholes. (Preserver)		
Proposed Size / Units	2.00 COUNT	Lifespan	Unknown
Actual Size/Units	2.00 COUNT	Installed Date	10-Nov-20
Mapped Activities	2 Point(s)	Technical Assistance Provider	Private Consultant

Final Indicator for Stormwater Treatment Structures			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	3.28

Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	NP-BMP Tool
Waterbody	Leech		
Final Indicator for Stormwater Treatment Structures			
Indicator Name	NITROGEN	Value	16.5
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	NP-BMP Tool
Waterbody	Leech		
Final Indicator for Stormwater Treatment Structures			
Indicator Name	SEDIMENT (TSS)	Value	2500
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	MIDS
Waterbody	Leech		

Grant Activity - Culvert Inventory and Database Creation			
Description	Culverts within the identified priority watersheds will inventoried and assessed for function. Data will be compiled into the MN DNR database and local database. Activity will be done by either private individual of SWCD staff.		
Category	INVENTORY/MAPPING		
Start Date	30-Oct-20	End Date	
Has Rates and Hours?	Yes		
Actual Results	Completed 100% of the Cass County portion of a culvert inventory in Priority watersheds in Cass County		

Activity Action - Invoice for Culvert Inventory			
Practice	304M - Drainage System Inventory	Count of Activities	1
Description	Invoice for 3 hours of culvert Inventory Kelly C		
Proposed Size / Units	1.00 COUNT	Lifespan	Unknown
Actual Size/Units	1.00 COUNT	Installed Date	19-Nov-20
Mapped Activities	No	Technical Assistance Provider	SWCD

Activity Action - Invoice forCulvert Inventory			
Practice	304M - Drainage System Inventory	Count of Activities	1
Description	Invoice for 1.5 Hours of Culvert Inventory		
Proposed Size / Units	1.00 COUNT	Lifespan	Unknown
Actual Size/Units	1.00 COUNT	Installed Date	4-Nov-21
Mapped Activities	No	Technical Assistance Provider	SWCD

Activity Action - Invoice for Culvert Inventory			
Practice	304M - Drainage System Inventory	Count of Activities	1
Description	Invoice for 23.5 hours of culvert Inventory		
Proposed Size / Units	1.00 COUNT	Lifespan	Unknown
Actual Size/Units	1.00 COUNT	Installed Date	3-Jun-21
Mapped Activities	No	Technical Assistance Provider	SWCD

Activity Action - Invoice for Culvert Inventory			
Practice	304M - Drainage System Inventory	Count of Activities	1
Description	Invoice for 34.5 hours of culvert inventory.		
Proposed Size / Units	1.00 COUNT	Lifespan	Unknown
Actual Size/Units	1.00 COUNT	Installed Date	6-May-21
Mapped Activities	No	Technical Assistance Provider	SWCD

Activity Action - Invoice for Culvert Inventory			
Practice	304M - Drainage System Inventory	Count of Activities	1
Description	Invoice for 53 hours of Culvert Inspection		
Proposed Size / Units	1.00 COUNT	Lifespan	Unknown
Actual Size/Units	1.00 COUNT	Installed Date	3-Dec-20
Mapped Activities	No	Technical Assistance Provider	SWCD

Activity Action - Invoice for culvert inspection			
Practice	304M - Drainage System Inventory	Count of Activities	1
Description	Invoice for 14.5 hours of Culvert Inspection		
Proposed Size / Units	1.00 COUNT	Lifespan	Unknown
Actual Size/Units	1.00 COUNT	Installed Date	7-Jan-21
Mapped Activities	No	Technical Assistance Provider	SWCD

Activity Action - Invoice for Culvert Inventory Data Entry			
Practice	304M - Drainage System Inventory	Count of Activities	1
Description	Invoice for 10.5 hours of Culvert Inventory Data Entry		
Proposed Size / Units	1.00 COUNT	Lifespan	Unknown
Actual Size/Units	1.00 COUNT	Installed Date	4-Feb-21
Mapped Activities	No	Technical Assistance Provider	SWCD

Grant Activity - Culvert Replacement	
Description	Replacement or repositioning of culverts that have identified by watershed assessment or culvert inventory.
Category	SPECIAL PROJECTS
Start Date	End Date
Has Rates and Hours?	No
Actual Results	

Grant Activity - Grant Administration	
Description	Cass SWCD was appointed fiscal agent for the grant. Its duties will include track grant expenditures, process payments, grant reporting and other financial obligations.
Category	ADMINISTRATION/COORDINATION
Start Date	End Date
Has Rates and Hours?	Yes
Actual Results	Administered the Leech Lake River CWMP including meetings and fiscal responsibility and reporting.

Grant Activity - Municipal Stormwater Mapping and Assessment	
Description	Internal video inspection and GIS mapping of the 4 municipalities, Longville, Hackensack, Akeley and Federal Dam. Activity will be conducted using Johnson Jetline or similar company.
Category	INVENTORY/MAPPING
Start Date	End Date
Has Rates and Hours?	No
Actual Results	

Activity Action - Stormwater Assessment			
Practice	300M - Contaminant Source Inventory	Count of Activities	4
Description	Payment for HR Green to complete Stormwater Assessment and Mapping of Hackensack, Longville, Laporte and Federal Dam		
Proposed Size / Units	4.00 COUNT	Lifespan	10 Years
Actual Size/Units	4.00 COUNT	Installed Date	
Mapped Activities	No	Technical Assistance Provider	Private Consultant

Grant Activity - Private Forest Management	
Description	Utilizing DNR approved forest plan writers to enroll 5000 additional acres of PFM plans. Plan writers will be required to add section in plan specifically about Leech Lake River Comprehensive Management Plan.
Category	FORESTRY PRACTICES
Start Date	End Date
Has Rates and Hours?	No
Actual Results	Completed 8 Private Forest Management Plans on 709 acres, 5 Plans in Hubbard County and 3 Plans in Cass County in priority watersheds.

Activity Action - Lenz PFM Plan			
Practice	147M - Forestry Management	Count of Activities	1
Description	Cost Share for Jack Lenz PFM Plan in Steamboat River Watershed.		
Proposed Size / Units	100.64 AC	Lifespan	10 Years
Actual Size/Units	100.64 AC	Installed Date	7-May-20
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Activity Action - Driscoll PFM Plan			
Practice	147M - Forestry Management	Count of Activities	1
Description	Cost Share for Troy Driscoll PFM Plan.		
Proposed Size / Units	68.00 AC	Lifespan	10 Years
Actual Size/Units	68.00 AC	Installed Date	4-Jun-20
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Activity Action - Peterson PFM Plan			
Practice	147M - Forestry Management	Count of Activities	1
Description	Cost Share for Greg Peterson PFM Plan		
Proposed Size / Units	123.00 AC	Lifespan	10 Years
Actual Size/Units	123.00 AC	Installed Date	4-Jun-20
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Activity Action - Ron Johnson			
Practice	147M - Forestry Management	Count of Activities	1
Description	Cost Share for Ron Johnson PFM Plan		
Proposed Size / Units	75.00 AC	Lifespan	10 Years
Actual Size/Units	75.00 AC	Installed Date	4-Jun-20
Mapped Activities	2 Polygon(s)	Technical Assistance Provider	SWCD

Activity Action - Henry Zierhut PFM Plan			
Practice	147M - Forestry Management	Count of Activities	1
Description	Cost Share for Zierhut PFM Plan		
Proposed Size / Units	50.00 AC	Lifespan	10 Years
Actual Size/Units	50.00 AC	Installed Date	2-Jul-20
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Activity Action - Hamilton PFM Plan			
Practice	147M - Forestry Management	Count of Activities	1
Description	Cost Share For Hamilton PFM Plan		
Proposed Size / Units	74.00 AC	Lifespan	10 Years
Actual Size/Units	74.00 AC	Installed Date	6-Aug-20
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	Private Consultant

Activity Action - Killian PFM Plan			
Practice	147M - Forestry Management	Count of Activities	1
Description			
Proposed Size / Units	218.00 AC	Lifespan	10 Years
Actual Size/Units	218.00 AC	Installed Date	5-Nov-20
Mapped Activities	2 Polygon(s)	Technical Assistance Provider	Private Consultant

Activity Action - Whitney PFM Plan			
Practice	147M - Forestry Management	Count of Activities	1
Description	Cost Share for 28 acre PFM Plan for Jean Whitney		
Proposed Size / Units	30.00 AC	Lifespan	10 Years
Actual Size/Units	28.00 AC	Installed Date	18-Jun-21
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	Private Consultant

Activity Action - Brambrink PFM Plan			
Practice	147M - Forestry Management	Count of Activities	1
Description	37 acre PFM Plan within Kabekona River subwatershed		
Proposed Size / Units	37.00 AC	Lifespan	10 Years
Actual Size/Units	37.00 AC	Installed Date	4-Dec-20
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	Other

Activity Action - Doug Kilanowski PFM Plan			
Practice	147M - Forestry Management	Count of Activities	1
Description	Cost Share for 74.7 acres PFM Plan in Boy Lake Subwatershed		
Proposed Size / Units	74.70 AC	Lifespan	10 Years
Actual Size/Units	74.70 AC	Installed Date	4-Dec-20
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	Private Consultant

Activity Action - Wayne Buckley PFM Plan			
Practice	147M - Forestry Management	Count of Activities	1
Description	Writing of a 36 Acre PFM Plan, located in the Kabekona River Priority Watershed.		
Proposed Size / Units	36.00 AC	Lifespan	10 Years
Actual Size/Units	36.00 AC	Installed Date	17-Feb-21
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	Private Consultant

Activity Action - Alber's Acres PFM Plan			
Practice	147M - Forestry Management	Count of Activities	1
Description	Writing of 272 acre PFM plan.		
Proposed Size / Units	272.00 AC	Lifespan	10 Years
Actual Size/Units	272.00 AC	Installed Date	16-Feb-21
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	Private Consultant

Activity Action - Albro's Leasing PFM Plan			
Practice	147M - Forestry Management	Count of Activities	1
Description	Writing of the Albro's Leasing PFM Plan		
Proposed Size / Units	39.00 AC	Lifespan	10 Years
Actual Size/Units	39.00 AC	Installed Date	4-Mar-21
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	Private Consultant

Activity Action - Greg Pelkey PFM Plan			
Practice	147M - Forestry Management	Count of Activities	1
Description	Cost Share for Greg Pelkey PFM Plan		
Proposed Size / Units	160.00 AC	Lifespan	10 Years
Actual Size/Units	160.00 AC	Installed Date	1-Apr-21
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	Private Consultant

Activity Action - Gladen PFM Plan			
Practice	147M - Forestry Management	Count of Activities	2
Description	Cost share for Writing of Gladen PFM Plan.		
Proposed Size / Units	100.12 AC	Lifespan	10 Years
Actual Size/Units	100.12 AC	Installed Date	1-Mar-21
Mapped Activities	3 Polygon(s)	Technical Assistance Provider	Private Consultant

Activity Action - Eberlein PFM Plan			
Practice	147M - Forestry Management	Count of Activities	1
Description	Cost Share for Eberlein PFM Plan		
Proposed Size / Units	54.00 AC	Lifespan	10 Years
Actual Size/Units	54.00 AC	Installed Date	1-Jul-21
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	Private Consultant

Activity Action - Soucie PFM Plan			
Practice	147M - Forestry Management	Count of Activities	1
Description	Flat Rate Cost Share for 429 acre plan		
Proposed Size / Units	429.00 AC	Lifespan	10 Years
Actual Size/Units	429.00 AC	Installed Date	6-Aug-21
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	Private Consultant

Activity Action - Thelen PFM Plan			
Practice	147M - Forestry Management	Count of Activities	1
Description	Cost share for the writing of a 39.36 acre PFM Plan located in the Steamboat River Watershed.		
Proposed Size / Units	39.36 AC	Lifespan	10 Years
Actual Size/Units	39.36 AC	Installed Date	6-Jul-21
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	Private Consultant

Activity Action - Koenig PFM Plan			
Practice	147M - Forestry Management	Count of Activities	1
Description	Cot Share for Koenig PFM Plan		
Proposed Size / Units	39.00 AC	Lifespan	10 Years
Actual Size/Units	39.00 AC	Installed Date	19-Feb-21
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	Private Consultant

Activity Action - Dummer PFM Plan			
Practice	147M - Forestry Management	Count of Activities	1
Description	Cost share for Dummer PFM Plan		
Proposed Size / Units	33.43 AC	Lifespan	10 Years
Actual Size/Units	34.43 AC	Installed Date	29-Aug-21
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	Private Consultant

Grant Activity - Project Development			
Description	Hubbard SWCD will be allocated 1000 hours annually for the purpose of outreach and planning. Cass SWCD will be allocated 300 hours annually for the purpose of outreach and planning. Additional hours may be required for easement preparation for the LSOHC grant that the Leech Lake River watershed has received.		
Category	PROJECT DEVELOPMENT		
Start Date		End Date	
Has Rates and Hours?	Yes		
Actual Results	Provided Hubbard SWCD with 1/4 of workplan funding to support Project Development staff with the Hubbard SWCD.		

Grant Activity - Shoreland stabilization and buffers

Description	Funds allocated to provide technical and financial assistance through cost-share contracts with landowners to enable implementation of stormwater management, best management practices, natural shoreline buffers, vegetative stabilization and plants that stabilize soils, reduce nutrient input, and provide habitat for pollinators and other critical wildlife in riparian corridors. First priority will be the high-quality lakes followed by recreational lakes with declining water quality trends, and then other lakes within the 11 high priority sub-watersheds as listed in the plan. Pollution reduction goals for each priority lake is listed in the plan on page 39 (high quality lakes) and page 44 (recreational lakes with declining water quality trends). The overall goal is to reduce phosphorus loading by 5% cumulatively throughout the watershed (page 16).		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	1-Oct-20	End Date	
Has Rates and Hours?	No		
Actual Results	Installed 50 lineal ft. (2,500 sq. ft.) of shoreline buffer and stabilization project on Girl Lake in the Woman Lake Priority Watershed.		

Activity Action - Meyer Shoreland Buffer			
Practice	580 - Streambank and Shoreline Protection	Count of Activities	1
Description	Removal of RR Tie walls and regrade of slope, installation of native shrubs and forbs.		
Proposed Size / Units	50.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	50.00 LINEAR FEET	Installed Date	19-Oct-20
Mapped Activities	1 Line(s)	Technical Assistance Provider	SWCD

Final Indicator for Meyer Shoreland Buffer			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	1
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	Girl		

Activity Action - Blomberg Shoreline Buffer			
Practice	390 - Riparian Herbaceous Cover	Count of Activities	1
Description	Installation of Shoreline buffer along 110 lineal feet of Birch Lake.		
Proposed Size / Units	1,300.00 SQUARE FEET	Lifespan	In Perpetuity
Actual Size/Units	1,300.00 SQUARE FEET	Installed Date	6-Jul-21
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	Private Consultant

Final Indicator for Blomberg Shoreline Buffer			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	1
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	Birch		

Activity Action - Kellie Lewis Buffer Project			
Practice	390 - Riparian Herbaceous Cover	Count of Activities	1
Description	Cost share for Lewis Shoreline Buffer		
Proposed Size / Units	1,500.00 SQUARE FEET	Lifespan	1 Year
Actual Size/Units	1,500.00 SQUARE FEET	Installed Date	4-Nov-21
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	Private Consultant

Final Indicator for Kellie Lewis Buffer Project			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	2
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	Blackwater		

Grant Activity - Technical Services			
Description	Technical service support for all projects associated with this grant. This may include TSA 8, private individuals or SWCD staff. Technical Services provided by staff will have proper Job Approval Authority (JAA) and this information will be available upon request, These activities may include culvert inventory, stormwater and or shorland buffers.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date		End Date	
Has Rates and Hours?	Yes		
Actual Results	SWCD Staff to conduct Surveying for the Lake May Culvert and for GIS mapping and e-Link mapping of Private Forest Management Plans.		

Grant Attachments

Document Name	Document Type	Description
2020 Watershed Based Implementation Funding	Grant Agreement	2020 Watershed Based Implementation Funding - Cass SWCD
2020 Watershed Based Implementation Funding EXECUTED	Grant Agreement	2020 Watershed Based Implementation Funding - Cass SWCD
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 12/08/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 10/12/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 08/25/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/13/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 08/25/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/09/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 08/27/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 09/11/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/04/2021
Application	Workflow Generated	Workflow Generated - Application - 01/22/2020
C20-9358 Financial Reconciliation Checklist-Report	Journal	Journal Dated - 12/08/2021
City of Walker Contribution	Grant	Leech Lake River Watershed Implementation
Leech Lake River Priority Watersheds	Grant	Leech Lake River Watershed Implementation
Statement of Work 6/30/2020	Grant	Leech Lake River Watershed Implementation
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 06/30/2020
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 03/12/2020
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 02/03/2020
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 08/02/2021
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 11/09/2020
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 11/09/2020
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 08/04/2021