



Grant Work Plan

Buffer Law 2021

Grant Title: 2021 - Buffer Law (Cass SWCD)

Grant ID: P21-2780

Grantee: Cass SWCD

Fiscal Agent:

Grant Day-to-Day Contact: Dana Gutzmann

Grant Award (\$): \$8,600.00

Required Match (%): 0

Required Match (\$): \$0.00

Grant Execution Date: 11/16/2020

Grant End Date: 12/31/2023

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$8,600.00	\$8,600.00	\$0.00
Match Funds	\$0.00	\$0.00	\$0.00
Other Funds	\$0.00	\$0.00	\$0.00
Total	\$8,600.00	\$8,600.00	\$0.00

*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?
Buffer Law Administration	Administration/Coordination	Current State Grant	2021 - Buffer Law (Cass SWCD)	\$8,600.00	\$8,600.00	\$0.00	N

Grant Activities

Activity Name: Buffer Law Administration

Activity Category: Administration/Coordination

Staff time?: Yes

Description: Cass County will continue to monitor and administer the State Buffer Law using recent aerial photography and on-site visits of suspected violations. Staff will also work with private landowners and provide technical assistance to install shoreline and waterway buffers on their property to comply with State law and County Land Use Ordinance.

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	2021 - Buffer Law (Cass SWCD)	\$8,600.00	\$8,600.00	\$0.00	12/19/2023	N

Actual Results

25 % of funds have been expended.

\$2,352.12 used for parcel alignment for Cass County GIS mapping to assist staff with increased accuracy for monitoring buffer law. Approved by Darren Mayers via phone conversation on 12/18/2023.

Funds were spent according to the work plan.



Grant Work Plan

Conservation Delivery 2021

Grant Title: 2021 - Conservation Delivery (Cass SWCD)

Grant ID: P21-5093

Grantee: Cass SWCD

Fiscal Agent:

Grant Day-to-Day Contact: Dana Gutzmann

Grant Award (\$): \$18,275.00

Required Match (%): 0

Required Match (\$): \$0.00

Grant Execution Date: 08/08/2019

Grant End Date: 12/31/2022

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$18,275.00	\$18,275.00	\$0.00
Match Funds	\$0.00	\$0.00	\$0.00
Other Funds	\$0.00	\$0.00	\$0.00
Total	\$18,275.00	\$18,275.00	\$0.00

*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	2021 - Conservation Delivery (Cass SWCD)	\$18,275.00	\$18,275.00	\$0.00	N

Grant Activities

Activity Name: Administration/Coordination						
Activity Category: Administration/Coordination					Staff time?: No	
Description: Conduct the day-to-day functions of the Cass SWCD. To be utilized for I&E, supervisor per diem and expenses in addition to other office expenses directly related to operating and managing the Cass District activities.						
Budget Details						
Source Type	Source Description	Budgeted	Spent	Balance Remaining	Last Transaction Date	Match Fund?
Current State Grant	2021 - Conservation Delivery (Cass SWCD)	\$18,275.00	\$18,275.00	\$0.00	12/31/2021	N
Actual Results						
Conducted the day-to-day functions of the Cass SWCD. To be utilized for I&E, supervisor per diem and expenses in addition to other office expenses directly related to operating and managing the Cass District activities.						



Grant Work Plan

Cost Share 2021

Grant Title: 2021 - State Cost-Share Fund (Cass SWCD)

Grant ID: P21-5273

Grantee: Cass SWCD

Fiscal Agent:

Grant Day-to-Day Contact: Dana Gutzmann

Grant Award (\$): \$8,347.00

Required Match (%): 25

Required Match (\$): \$2,086.75

Grant Execution Date: 08/08/2019

Grant End Date: 12/31/2022

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$8,347.00	\$8,347.00	\$0.00
Match Funds	\$2,086.75	\$4,361.40	(\$2,274.65)
Other Funds	\$0.00	\$0.00	\$0.00
Total	\$10,433.75	\$12,708.40	(\$2,274.65)

*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?
Forest Management	Forestry Practices	Current State Grant	2021 - State Cost-Share Fund (Cass SWCD)	\$564.38	\$564.38	\$0.00	N
Streambank and Shoreline Protection	Streambank or Shoreline Protection	Current State Grant	2021 - State Cost-Share Fund (Cass SWCD)	\$7,782.62	\$7,782.62	\$0.00	N
Cost Share Match	Streambank or Shoreline Protection	Landowner Fund	Landowner Match	\$2,086.75	\$4,361.40	(\$2,274.65)	Y

Indicator Summary

Indicator Category	Proposed Indicator	Total Value	Unit
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Indicator Category	Final Indicator	Total Value	Unit
Water Pollution (Reduction Estimates)	Sediment (Tss)	3	Tons/Yr

Grant Activities

Activity Name: Cost Share Match						
Activity Category: Streambank or Shoreline Protection					Staff time?: No	
Description: Landowner Match for Conservation Practices that benefit water quality.						
Budget Details						
Source Type	Source Description	Budgeted	Spent	Balance Remaining	Last Transaction Date	Match Fund?
Landowner Fund	Landowner Match	\$2,086.75	\$4,361.40	(\$2,274.65)	07/07/2022	Y
Actual Results						
Partial Cost Share for 2 shoreline projects that were mapped in previous grants.						

Activity Name: Forest Management						
Activity Category: Forestry Practices					Staff time?: No	
Description: Cost Share for Landowners having PFM Plans written.						
Budget Details						
Source Type	Source Description	Budgeted	Spent	Balance Remaining	Last Transaction Date	Match Fund?
Current State Grant	2021 - State Cost-Share Fund (Cass SWCD)	\$564.38	\$564.38	\$0.00	10/05/2022	N

Actual Results

Cost Shared on 3 PFM plans

Activity Action Name:	Brian Doty PFM Plan	Activity Count: 1
Practice Type:	147M - Forestry Management	Size/Units: 39 - Acres
TA Provider/JAA:	Private Consultant	Lifespan: 10 Years
Practice Description:	Cost Share for 39 acre PFM Plan.	Install Date: 03/03/2022
		Mapped: Yes

Activity Action Name:	Luhrs PFM Plan	Activity Count: 1
Practice Type:	147M - Forestry Management	Size/Units: 224 - Acres
TA Provider/JAA:	Private Consultant	Lifespan: 10 Years
Practice Description:	Partial Cost Share for Luhrs PFM Plan.	Install Date: 07/08/2022
		Mapped: Yes

Activity Action Name:	Stephen Antony PFM Plan	Activity Count: 1
Practice Type:	147M - Forestry Management	Size/Units:
TA Provider/JAA:	Private Consultant	Lifespan: 10 Years
Practice Description:	Partial Cost Share for PFM Plan Mapped in CS 2020	Install Date:
		Mapped: No

Activity Name: Streambank and Shoreline Protection

Activity Category: Streambank or Shoreline Protection

Staff time?: No

Description: Assist private landowners install and complete practices that protect and enhance clean water and prevent soil loss.

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	2021 - State Cost-Share Fund (Cass SWCD)	\$7,782.62	\$7,782.62	\$0.00	02/19/2021	N

Actual Results

Partial Cost Share of 2 shoreline buffer projects. Both the Nye Sisters (2020 LC) and William Tillbury projects (2019 LC) were mapped previously.

Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Sediment (Tss)	3	Tons/Yr

Activity Action Name:	Nye Sisters Shoreline buffer			Activity Count: 1
Practice Type:	580 - Streambank and Shoreline Protection			Size/Units: 2000 - Cfu/Yr
TA Provider/JAA:	Private Consultant			Lifespan: In Perpetuity
Practice Description:	Partial cost share for Nye Sisters shoreline buffer planting.			Install Date: 02/04/2021
				Mapped: Yes
Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	1	Bwsr Calc (Stream & Ditch Stabilization)	Gull

Activity Action Name: William Tilbury Shoreline Project				Activity Count: 1
Practice Type: 580 - Streambank and Shoreline Protection				Size/Units: 150 - Cfu
TA Provider/JAA: Private Consultant				Lifespan: In Perpetuity
Practice Description: Installation of 150 lineal feet of coir logs. Mapped Previously				Install Date: 08/14/2020
				Mapped: No
Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	2	Bwsr Calc (Stream & Ditch Stabilization)	Deep Portage

Activity Name: Tech/Admin costs	
Activity Category: Forestry Practices	Staff time?: No
Description: Cost Share for the writing of PFM plans That were mapped in previous cost shares.	
Actual Results	
Partial Cost Share 2 PFM Plans that are mapped in other	

Activity Action Name: Partial Cost Share for Luhrs PFM Plan				Activity Count: 1
Practice Type: 147M - Forestry Management				Size/Units: 224 - Acres
TA Provider/JAA: Private Consultant				Lifespan: 10 Years
Practice Description: Partial Cost Share for Luhrs PFM Plan. Mapped in 2020 Cost Share				Install Date: 06/02/2022
				Mapped: No

Activity Action Name:	Partial Cost Share for Fleming PFM Plan	Activity Count: 1
Practice Type:	147M - Forestry Management	Size/Units: 80 - Acres
TA Provider/JAA:	Private Consultant	Lifespan: 10 Years
Practice Description:	Partial Cost Share for Fleming PFM mapped in 2022 Cost Share	Install Date: 08/04/2022
		Mapped: No



Grant Work Plan

SWCD Local Capacity Services 2021

Grant Title: 2021 - SWCD Local Capacity Services (Cass SWCD)

Grant ID: P21-2690

Grantee: Cass SWCD

Fiscal Agent:

Grant Day-to-Day Contact: Dana Gutzmann

Grant Award (\$): \$132,586.00

Required Match (%): 0

Required Match (\$): \$0.00

Grant Execution Date: 11/16/2020

Grant End Date: 12/31/2023

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$132,586.00	\$132,586.00	\$0.00
Match Funds	\$46,540.85	\$48,938.40	(\$2,397.55)
Other Funds	\$1,561,749.91	\$1,561,749.91	\$0.00
Total	\$1,740,876.76	\$1,743,274.31	(\$2,397.55)

*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?
Agricultural Practices	Agricultural Practices	Current State Grant	2021 - SWCD Local Capacity Services (Cass SWCD)	\$4,024.00	\$4,024.00	\$0.00	N
Agricultural Practices	Agricultural Practices	Landowner Fund		\$5,500.00		\$5,500.00	Y
Culverts	Conservation Drainage	Current State Grant	2021 - SWCD Local Capacity Services (Cass SWCD)	\$11,911.50	\$11,911.50	\$0.00	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>
Culverts	Conservation Drainage	Landowner Fund		\$5,000.00	\$3,971.10	\$1,028.90	Y
Private Forest Managment	Forestry Practices	Current State Grant	2021 - SWCD Local Capacity Services (Cass SWCD)	\$23,021.37	\$23,021.37	\$0.00	N
PFM Match	Forestry Practices	Landowner Fund		\$15,000.00	\$12,240.19	\$2,759.81	Y
Groundwater Testing	Groundwater	Current State Grant	2021 - SWCD Local Capacity Services (Cass SWCD)	\$800.00	\$800.00	\$0.00	N
Well Sealing	Groundwater	Current State Grant	2021 - SWCD Local Capacity Services (Cass SWCD)	\$875.00	\$875.00	\$0.00	N
Well Sealing Match	Groundwater	Landowner Fund		\$1,175.00	\$1,175.00	\$0.00	Y
Other Agricultural Practices	Livestock Waste Management	Current State Grant	2021 - SWCD Local Capacity Services (Cass SWCD)	\$4,127.97	\$4,127.97	\$0.00	N
Manure Pit Closure	Livestock Waste Management	Current State Grant	2021 - SWCD Local Capacity Services (Cass SWCD)	\$7,500.00	\$7,500.00	\$0.00	N
Other Agricultural Practices	Livestock Waste Management	Landowner Fund	Landowner Match	\$1,375.00	\$9,456.26	(\$8,081.26)	Y
Manure Pit Closure	Livestock Waste Management	Landowner Fund	Landowner	\$2,500.00	\$2,500.00	\$0.00	Y
Stony Creek Culvert Replacement	Streambank or Shoreline Protection	Local Fund	Lake Association	\$1,000.00	\$1,000.00	\$0.00	Y
Stony Creek Culvert Replacement	Streambank or Shoreline Protection	Local Fund	Wabedo Township	\$8,000.00	\$8,000.00	\$0.00	Y
Shoreland stabilization	Streambank or Shoreline Protection	Current State Grant	2021 - SWCD Local Capacity Services (Cass SWCD)	\$4,500.00	\$4,500.00	\$0.00	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>
Stony Creek Culvert Replacement	Streambank or Shoreline Protection	Current State Grant	2021 - SWCD Local Capacity Services (Cass SWCD)	\$8,088.50	\$8,088.50	\$0.00	N
Stony Creek Culvert Replacement	Streambank or Shoreline Protection	Other Funds	Leech Lake River Implementation Phase 2	\$148,972.93	\$148,972.93	\$0.00	N
Shoreline Stabilization	Streambank or Shoreline Protection	Current State Grant	2021 - SWCD Local Capacity Services (Cass SWCD)	\$3,183.43	\$3,183.43	\$0.00	N
Shoreline Stabilization	Streambank or Shoreline Protection	Other Funds	2020 - SWCD Local Capacity Services (Cass SWCD)	\$12,006.87	\$12,006.87	\$0.00	N
Shoreland stabilization	Streambank or Shoreline Protection	Landowner Fund	Landowner	\$795.85	\$4,400.00	(\$3,604.15)	Y
Shoreline Stabilization	Streambank or Shoreline Protection	Landowner Fund	Landowner Match	\$795.00	\$795.85	(\$0.85)	Y
County In-Kind Match	Supplies/Equipment	Local Fund	County IN-Kind Match	\$14,400.00	\$14,400.00	\$0.00	Y
Staff Support	Supplies/Equipment	Current State Grant	2021 - SWCD Local Capacity Services (Cass SWCD)	\$4,554.23	\$4,554.23	\$0.00	N
Staff Support	Supplies/Equipment	Current State Grant	2021 - SWCD Local Capacity Services (Cass SWCD)	\$60,000.00	\$60,000.00	\$0.00	N

<i>Indicator Category</i>	<i>Proposed Indicator</i>	<i>Total Value</i>	<i>Unit</i>
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<i>Indicator Category</i>	<i>Final Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	1.487	Lbs/Yr
Water Pollution	Sediment (Tss)	0.135	Tons/Yr

Indicator Summary

<i>Indicator Category</i>	<i>Final Indicator</i>	<i>Total Value</i>	<i>Unit</i>
(Reduction Estimates)			
Water Pollution (Reduction Estimates)	Sediment (Tss)	10	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	3.5	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	2.34	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	24.56	Tons/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	6	Tons/Yr
MinnFARM	Nitrogen	11	Lbs/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	516	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	0.504	Tons/Yr

Grant Activities

Activity Name: Agricultural Practices

Activity Category: Agricultural Practices

Staff time?: No

Description: Cost Share Agricultural practices that benefit Clean Water.

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		\$5,500.00		\$5,500.00		Y
Current State Grant	2021 - SWCD Local Capacity Services (Cass SWCD)	\$4,024.00	\$4,024.00	\$0.00	12/18/2023	N

Actual Results

Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Phosphorus (Est. Reduction)	3.5	Lbs/Yr
Sediment (Tss)	2.34	Tons/Yr
Soil (Est. Savings)	24.56	Tons/Yr

Activity Action Name:	Stattleman Cover Crop	Activity Count: 1
Practice Type:	340 - Cover Crop	Size/Units: 20 - Acres
TA Provider/JAA:	Private Consultant	Lifespan: 1 Year
Practice Description:	Flat Rate Cost share for Cover Crop Planting	Install Date: 09/01/2022
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Soil (Est. Savings)	Tons/Yr	0.4	Bwsr Calc (Sheet And Rill)	Mayo Creek
Sediment (Tss)	Tons/Yr	0.02	Bwsr Calc (Sheet And Rill)	Mayo Creek
Phosphorus (Est. Reduction)	Lbs/Yr	0.05	Bwsr Calc (Sheet And Rill)	Mayo Creek

Activity Action Name:	Richards Cover Crop Plan Installation	Activity Count: 1
Practice Type:	340 - Cover Crop	Size/Units: 21.7 - Acres
TA Provider/JAA:	NRCS	Lifespan: 1 Year
Practice Description:	Flat Rate Cost Share for Richards Cover Crop Installation	Install Date: 09/01/2022
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	0.03	Bwsr Calc (Sheet And Rill)	Unnamed Lake
Soil (Est. Savings)	Tons/Yr	0.03	Bwsr Calc (Sheet And Rill)	Unnamed Lake
Sediment (Tss)	Tons/Yr	0.01	Bwsr Calc (Sheet And Rill)	Unnamed Lake

Activity Action Name:	Hedlund Cover Crop	Activity Count: 3
Practice Type:	340 - Cover Crop	Size/Units: 58.9 - Acres
TA Provider/JAA:	NRCS	Lifespan: 1 Year
Practice Description:	Flat Rate Cost share for Cover Crop	Install Date: 09/01/2022
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	3.42	Bwsr Calc (Sheet And Rill)	Mayo Creek
Soil (Est. Savings)	Tons/Yr	24.13	Bwsr Calc (Sheet And Rill)	Mayo Creek
Sediment (Tss)	Tons/Yr	2.31	Bwsr Calc (Sheet And Rill)	Mayo Creek

Activity Name: County In-Kind Match

Activity Category: Supplies/Equipment

Staff time?: No

Description: In-Kind Match from Cass County for Cass SWCD. Match comes in form of Vehicles,computers and office space.

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 IN-Kind Match	\$14,400.00	\$14,400.00	\$0.00	05/05/2022	Y

Actual Results

County in-kind match for BWSR cash contribution of \$14,400. In-kind includes vehicle, computer and office space.

Activity Name: Culverts

Activity Category: Conservation Drainage

Staff time?: No

Description: Provide assistance to townships and private landowners on issues relating to culvert design and installation on township and private roads to reduce erosion and nutrient discharge.

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		\$5,000.00	\$3,971.10	\$1,028.90	11/07/2022	Y
Current State Grant	2021 - SWCD Local Capacity Services (Cass SWCD)	\$11,911.50	\$11,911.50	\$0.00	01/01/2023	N
Actual Results						
No expenditures to date.						
Final Indicators						
<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>				
Sediment (Tss)	10	Tons/Yr				

Activity Action Name: Pulak Culvert Replacement				Activity Count: 1	
Practice Type: 587 - Structure for Water Control				Size/Units: 1 - Acre-Feet/Yr	
TA Provider/JAA: Other				Lifespan: Unknown	
Practice Description: Cost Share for Darrell Pulak Culvert Replacement				Install Date: 11/07/2022	
				Mapped: Yes	
Indicator Name	Units	Value	Calculation Tool	Waterbody	
Sediment (Tss)	Tons/Yr	10	Bwsr Calc (Stream & Ditch Stabilization)	Home Brook	

Activity Name: Groundwater Testing

Activity Category: Groundwater

Staff time?: No

Description: Retest of 10 private wells in Deerfield township, This a follow up to a project done 3 years ago, after large tracts of forest was converted to center pivot agriculture.

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	2021 - SWCD Local Capacity Services (Cass SWCD)	\$800.00	\$800.00	\$0.00	09/01/2022	N
Actual Results						

Activity Action Name:	Private Well Testng for 10 private wells	Activity Count: 10
Practice Type:	449 - Irrigation Water Management	Size/Units: 10 - Acre-Feet/Yr
TA Provider/JAA:	Private Consultant	Lifespan: Unknown
Practice Description:	Well testing done for 10 private wells.	Install Date: 09/01/2022
		Mapped: Yes

Activity Name: Landowner Match	
Activity Category: Forestry Practices	Staff time?: No
Description: Landowner Match for PFM Projects	
Actual Results	

Activity Action Name:	Match for Simons PFM Plan	Activity Count: 1
Practice Type:	147M - Forestry Management	Size/Units: 80 - Acres
TA Provider/JAA:	Private Consultant	Lifespan: 10 Years
Practice Description:	Match for Simons PFM Plan	Install Date: 08/04/2022
		Mapped: No

Activity Action Name:	Volesky PFM Match	Activity Count: 1
Practice Type:	147M - Forestry Management	Size/Units: 100 - Acres
TA Provider/JAA:	Private Consultant	Lifespan: 10 Years
Practice Description:		Install Date: 09/06/2022
		Mapped: No

Activity Action Name:	Fleming PFM Match	Activity Count: 1
Practice Type:	147M - Forestry Management	Size/Units: 80 - Acres
TA Provider/JAA:	Private Consultant	Lifespan: 10 Years
Practice Description:	LAndowner Match for Fleming PFM Plan	Install Date: 08/10/2022
		Mapped: No

Activity Action Name:	Wanner PFM Plan	Activity Count: 1
Practice Type:	147M - Forestry Management	Size/Units: 80 - Acres
TA Provider/JAA:	Private Consultant	Lifespan: 10 Years
Practice Description:	Landowner Match for PFM Plan creation.	Install Date: 06/02/2022
		Mapped: No

Activity Name: Manure Pit Closure

Activity Category: Livestock Waste Management

Staff time?: No

Description: Cost Share for Closure of Existing Manure pits.

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Landowner Fund	Landowner	\$2,500.00	\$2,500.00	\$0.00	10/05/2022	Y
Current State Grant	2021 - SWCD Local Capacity Services (Cass SWCD)	\$7,500.00	\$7,500.00	\$0.00	10/05/2022	N
Actual Results						
Final Indicators						
<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>				
Nitrogen	11	Lbs/Yr				

Activity Action Name: Hoefs Manure Pit Closure				Activity Count: 1	
Practice Type: 360 - Closure of Waste Impoundments				Size/Units: 1 - Acre-Feet/Yr	
TA Provider/JAA: NRCS				Lifespan: In Perpetuity	
Practice Description: Cost Share for closure of existing manure pit.				Install Date: 10/05/2022	
				Mapped: Yes	
Indicator Name	Units	Value	Calculation Tool	Waterbody	
Nitrogen	Lbs/Yr	11	MinnFARM	Mayo Creek	

Activity Name: Other Agricultural Practices	
Activity Category: Livestock Waste Management	Staff time?: No
Description: Agricultural practices for water quality improvements.	
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	2021 - SWCD Local Capacity Services (Cass SWCD)	\$4,127.97	\$4,127.97	\$0.00	12/18/2023	N
Landowner Fund	Landowner Match	\$1,375.00	\$9,456.26	(\$8,081.26)	08/22/2023	Y

Activity Action Name:	CS320-22 Watering Facilities	Activity Count: 1
Practice Type:	614 - Watering Facility	Size/Units:
TA Provider/JAA:	NRCS	Lifespan: 10 Years
Practice Description:	7 watering tanks for rotational grazing and cattle exclusion from Seven Mile creek.	Install Date: 08/12/2023
		Mapped: Yes

Activity Name: PFM Match						
Activity Category: Forestry Practices					Staff time?: No	
Description: Landowner Contribution towards Cost Share Contracts						
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		\$15,000.00	\$12,240.19	\$2,759.81	07/11/2023	Y
Actual Results						

Activity Name: Private Forest Managment	
Activity Category: Forestry Practices	Staff time?: No
Description: Provide assistance in developing private forest Management Plans and installation of Forestry related practices on private lands.	
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	2021 - SWCD Local Capacity Services (Cass SWCD)	\$23,021.37	\$23,021.37	\$0.00	12/18/2023	N
Actual Results						
No expenditures to date.						

Activity Action Name:	Wanner PFM Plan	Activity Count: 1
Practice Type:	147M - Forestry Management	Size/Units: 80 - Acres
TA Provider/JAA:	Private Consultant	Lifespan: 10 Years
Practice Description:	Cost Share for 80 acres PFM plan	Install Date: 05/05/2022
		Mapped: Yes

Activity Action Name:	Fleming PFM Plan	Activity Count: 1
Practice Type:	147M - Forestry Management	Size/Units: 80 - Acres
TA Provider/JAA:	Private Consultant	Lifespan: 10 Years
Practice Description:	Cost Share for creation of Fleming PFM Plan	Install Date: 08/10/2022
		Mapped: Yes

Activity Action Name:	John Simons PFM Plan	Activity Count: 1
Practice Type:	147M - Forestry Management	Size/Units: 80 - Acres
TA Provider/JAA:	Private Consultant	Lifespan: 10 Years
Practice Description:	Cost for Simons PFM Plan	Install Date: 08/10/2022
		Mapped: Yes

Activity Action Name:	Volesky PFM Plan	Activity Count: 1
Practice Type:	147M - Forestry Management	Size/Units: 100 - Acres
TA Provider/JAA:	Private Consultant	Lifespan: 10 Years
Practice Description:	Cost share for Volesky PFM Plan	Install Date: 09/01/2022
		Mapped: Yes

Activity Action Name:	Hicks PFM Plan	Activity Count: 1
Practice Type:	147M - Forestry Management	Size/Units: 391 - Acres
TA Provider/JAA:	Private Consultant	Lifespan: 10 Years
Practice Description:	Cost Share for 391 acre PFM Paln.	Install Date: 07/25/2022
		Mapped: Yes

Activity Action Name:	Robert Bermel PFM Plan	Activity Count: 1
Practice Type:	147M - Forestry Management	Size/Units: 80 - Acres
TA Provider/JAA:	Private Consultant	Lifespan: 10 Years
Practice Description:	Cost Share 80 acre PFM Plan.	Install Date: 07/25/2022
		Mapped: Yes

Activity Action Name:	Synker PFM Plan	Activity Count: 1
Practice Type:	147M - Forestry Management	Size/Units: 453 - Acres
TA Provider/JAA:	Private Consultant	Lifespan: 10 Years
Practice Description:	Cost Share for PFM Plan	Install Date: 11/07/2022
		Mapped: Yes

Activity Action Name:	Brian Koch PFM Plan	Activity Count: 1
Practice Type:	147M - Forestry Management	Size/Units: 63 - Acres
TA Provider/JAA:	Private Consultant	Lifespan: 10 Years
Practice Description:	Cost Share for PFM Plan	Install Date: 11/07/2022
		Mapped: Yes

Activity Action Name:	Kajer PFM Plan	Activity Count: 1
Practice Type:	147M - Forestry Management	Size/Units: 60.69 - Acres
TA Provider/JAA:	Private Consultant	Lifespan: 10 Years
Practice Description:	Cost Share for PFM Plan	Install Date: 07/18/2022
		Mapped: Yes

Activity Action Name:	Hoelt Tree Farm PFM Plan	Activity Count: 1
Practice Type:	147M - Forestry Management	Size/Units: 159 - Acres
TA Provider/JAA:	Private Consultant	Lifespan: 10 Years
Practice Description:	Cot Share for PFM Plan	Install Date: 03/03/2022
		Mapped: Yes

Activity Action Name:	Thomas Smith PFM Plan	Activity Count: 1
Practice Type:	147M - Forestry Management	Size/Units: 159 - Acres
TA Provider/JAA:	Private Consultant	Lifespan: 10 Years
Practice Description:	Cost Share for PFM Plan	Install Date: 07/25/2022
		Mapped: Yes

Activity Action Name:	Manska PFM Plan	Activity Count: 1
Practice Type:	147M - Forestry Management	Size/Units: 102 - Acres
TA Provider/JAA:	Private Consultant	Lifespan: 10 Years
Practice Description:	Cost Share for PFM Plan.	Install Date: 04/04/2022
		Mapped: Yes

Activity Action Name:	Steve Stephan PFM Plan	Activity Count: 1
Practice Type:	147M - Forestry Management	Size/Units: 161 - Acres
TA Provider/JAA:	Private Consultant	Lifespan: 10 Years
Practice Description:	Cost Share for PFM Plan	Install Date: 08/10/2022
		Mapped: Yes

Activity Action Name:	Lommel PFM Plan	Activity Count: 1
Practice Type:	147M - Forestry Management	Size/Units: 78 - Acres
TA Provider/JAA:	Private Consultant	Lifespan: 10 Years
Practice Description:	Cost Share For PFM Plan	Install Date: 05/02/2022
		Mapped: Yes

Activity Action Name:	Wentworth PFM Plan	Activity Count: 1
Practice Type:	147M - Forestry Management	Size/Units: 81 - Acres
TA Provider/JAA:	Private Consultant	Lifespan: 10 Years
Practice Description:	Cost Share for PFM Plan.	Install Date: 03/03/2022
		Mapped: Yes

Activity Action Name:	Paine PFM Plan	Activity Count: 1
Practice Type:	147M - Forestry Management	Size/Units: 322 - Acres
TA Provider/JAA:	Private Consultant	Lifespan: 10 Years
Practice Description:	Cost Share for PFM Plan	Install Date: 06/08/2022
		Mapped: Yes

Activity Action Name:	Antony PFM Plan	Activity Count: 1
Practice Type:	147M - Forestry Management	Size/Units: 106.3 - Acres
TA Provider/JAA:	Private Consultant	Lifespan: 10 Years
Practice Description:	Partial Cost Share for Antony PFM Plan.	Install Date: 10/05/2022
		Mapped: Yes

Activity Action Name:	Deborah Bermel PFM Plan	Activity Count: 1
Practice Type:	147M - Forestry Management	Size/Units: 120 - Acres
TA Provider/JAA:	Private Consultant	Lifespan: 10 Years
Practice Description:	Cost Share for Deborah Bermel PFM Plan.	Install Date: 07/25/2022
		Mapped: Yes

Activity Action Name:	Orton Motor PFM	Activity Count: 1
Practice Type:	147M - Forestry Management	Size/Units: 42 - Acres
TA Provider/JAA:	Private Consultant	Lifespan: 10 Years
Practice Description:	Cost Share 42 acres	Install Date: 01/27/2022
		Mapped: Yes

Activity Action Name:	CS361-22	Activity Count: 1
Practice Type:	612 - Tree/Shrub Establishment	Size/Units: 28.2 - Acres
TA Provider/JAA:	NRCS	Lifespan: 10 Years
Practice Description:	Tree Shrub establishment	Install Date: 06/30/2023
		Mapped: No

Activity Action Name:	Luhrs PFM Plan	Activity Count: 1
Practice Type:	147M - Forestry Management	Size/Units: 224 - Acres
TA Provider/JAA:	Private Consultant	Lifespan: 10 Years
Practice Description:	Partial Cost Share for Luhrs PFM Plan. Mapped in 21 CS	Install Date: 06/08/2022
		Mapped: No

Activity Name: Shoreland stabilization						
Activity Category: Streambank or Shoreline Protection					Staff time?: No	
Description: Provide cost-share incentives to private landowners for practices designed to protect surface and ground water. Incentive between 20%-75% of project costs based on District Annual Plan.						
Budget Details						
Source Type	Source Description	Budgeted	Spent	Balance Remaining	Last Transaction Date	Match Fund?
Landowner Fund	Landowner	\$795.85	\$4,400.00	(\$3,604.15)	12/08/2022	Y
Current State Grant	2021 - SWCD Local Capacity Services (Cass SWCD)	\$4,500.00	\$4,500.00	\$0.00	12/18/2023	N
Actual Results						
No expenditures to date.						

Final Indicators		
<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Phosphorus (Est. Reduction)	1.487	Lbs/Yr
Sediment (Tss)	0.135	Tons/Yr

Activity Action Name: Sylvan Beach Club				Activity Count: 1
Practice Type: 580 - Streambank and Shoreline Protection				Size/Units: 114 - Cfu
TA Provider/JAA: SWCD				Lifespan: 10 Years
Practice Description: Install rain garden for storm water control to decrease runoff into lake.				Install Date: 11/17/2022
				Mapped: Yes
Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	0.135	MIDS	Sylvan
Phosphorus (Est. Reduction)	Lbs/Yr	1.487	MIDS	Sylvan

Activity Name: Shoreline Stabilization	
Activity Category: Streambank or Shoreline Protection	Staff time?: No
Description: Cost share with landowners on shoreline stabilization projects.	
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	2021 - SWCD Local Capacity Services (Cass SWCD)	\$3,183.43	\$3,183.43	\$0.00	08/05/2022	N
Landowner Fund	Landowner Match	\$795.00	\$795.85	(\$0.85)	08/05/2022	Y
Current State Grant	2020 - SWCD Local Capacity Services (Cass SWCD)	\$12,006.87	\$12,006.87	\$0.00	08/04/2022	N

Actual Results

Partial Cost Share for 2 shoreline buffer to date.

All Funds expended

Linked shoreline activity from 2020. Only activity that occurred in Local Cap 2020 and Local Cap 2021 was CS311-22.

Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Sediment (Tss)	6	Tons/Yr

Activity Action Name: CS311-22 Shoreline Buffer				Activity Count: 1	
Practice Type: 390 - Riparian Herbaceous Cover				Size/Units: 1000 - Cfu/Yr	
TA Provider/JAA: Private Consultant				Lifespan: In Perpetuity	
Practice Description: Partial Cost Share for Stoy Fitz gerald Shoreline Buffer				Install Date: 08/04/2022	
				Mapped: Yes	
Indicator Name	Units	Value	Calculation Tool	Waterbody	
Sediment (Tss)	Tons/Yr	4	Bwsr Calc (Stream & Ditch Stabilization)	Sylvan	

Activity Action Name: Wiedman Shoreline Buffer				Activity Count: 1
Practice Type: 580 - Streambank and Shoreline Protection				Size/Units: 2260 - Cfu/Yr
TA Provider/JAA: Private Consultant				Lifespan: 10 Years
Practice Description: Partial Cost Share for Wiedman Shoreline Buffer.				Install Date: 10/27/2021
				Mapped: No
Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	2	WEPP (Water Erosion Prediction Project)	Leech Lake

Activity Name: Special Projects

Activity Category: Special Projects

Staff time?: No

Description: Funding available for special projects relating to the Cass SWCD Annual Plan and work items that relate to building District capacity.

Actual Results

No expenditures to date.

Activity Name: Staff Support

Activity Category: Supplies/Equipment

Staff time?: Yes

Description: Partial purchase of new vehicle.

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	2021 - SWCD Local Capacity Services (Cass SWCD)	\$4,554.23	\$4,554.23	\$0.00	12/19/2023	N
Current State Grant	2021 - SWCD Local Capacity Services (Cass SWCD)	\$60,000.00	\$60,000.00	\$0.00	12/29/2021	N
Actual Results						

Activity Name: Stony Creek Culvert Replacement						
Activity Category: Streambank or Shoreline Protection					Staff time?: No	
Description: Replacement of Existing Culvert and roadway BMP's on Stony Creek.Installation of new culvert and storm water catchment basins for sediment control. Engineering for culvert design has been completed by Moore Engineering as per MN. DNR Final inspection will be done by MN. DNR. Project completion is scheduled for Winter 2023. Pollution Reduction estimates show project will remove 2-3 tons per rain event.						
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	2021 - SWCD Local Capacity Services (Cass SWCD)	\$8,088.50	\$8,088.50	\$0.00	01/01/2023	N
Current State Grant	Leech Lake River Implementation Phase 2	\$148,972.93	\$148,972.93	\$0.00	08/08/2023	N
Local Fund	Lake Association	\$1,000.00	\$1,000.00	\$0.00	05/05/2023	Y
Local Fund	Wabedo Township	\$8,000.00	\$8,000.00	\$0.00	09/27/2023	Y
Actual Results						
Completion of the Stony Creek culvert project in 2023.						

Final Indicators		
<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Sediment (Tss)	0.504	Tons/Yr
Phosphorus (Est. Reduction)	516	Lbs/Yr

Activity Action Name: CS351-22				Activity Count: 1
Practice Type: 580 - Streambank and Shoreline Protection				Size/Units: 85 - Cfu
TA Provider/JAA: Private Consultant				Lifespan: 25 Years
Practice Description: two Culvert Replacement, ditch checks				Install Date: 04/15/2023
				Mapped: Yes
Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	0.504	P8 Urban Catchment Model	Wabedo
Phosphorus (Est. Reduction)	Lbs/Yr	516	P8 Urban Catchment Model	Wabedo

Activity Name: Well Sealing						
Activity Category: Groundwater					Staff time?: No	
Description: Cost Share for Landowners sealing wells.						
Budget Details						
Source Type	Source Description	Budgeted	Spent	Balance Remaining	Last Transaction Date	Match Fund?
Current State Grant	2021 - SWCD Local Capacity Services (Cass SWCD)	\$875.00	\$875.00	\$0.00	10/06/2022	N
Actual Results						

Activity Action Name:	Laing Well Decommissioning	Activity Count: 1
Practice Type:	351 - Well Decommissioning	Size/Units: 1 - Acre-Feet/Yr
TA Provider/JAA:	Private Consultant	Lifespan: In Perpetuity
Practice Description:	Cost share for Well Sealing.	Install Date: 10/05/2022
		Mapped: Yes

Activity Action Name:	BEattie Well Sealing	Activity Count: 2
Practice Type:	351 - Well Decommissioning	Size/Units: 2 - Acre-Feet/Yr
TA Provider/JAA:	Private Consultant	Lifespan: In Perpetuity
Practice Description:	Cost Share for sealing 2 wells	Install Date: 10/06/2022
		Mapped: Yes

Activity Action Name:	Patrick Nugent Well Sealing	Activity Count: 2
Practice Type:	351 - Well Decommissioning	Size/Units: 2 - Acre-Feet/Yr
TA Provider/JAA:	Private Consultant	Lifespan: In Perpetuity
Practice Description:	Cost Share for Sealing 2 wells.	Install Date: 07/25/2022
		Mapped: Yes

Activity Name: Well Sealing Match	
Activity Category: Groundwater	Staff time?: No
Description: Landowner Match for Well Sealing	
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		\$1,175.00	\$1,175.00	\$0.00	10/06/2022	Y
Actual Results						