Grant Progress Report

SWCD Local Capacity Services 2021

Grant Title: 2021 - SWCD Local Capacity Services (Pope SWCD)
Grant ID: P21-2741
Grantee: Pope SWCD
Fiscal Agent:
Grant Day-to-Day Contact: Holly Kovarik

Grant Award ($): $135,931.00
Required Match (%): 0
Required Match ($): $0.00

Grant Execution Date: 12/28/2020
Grant End Date: 12/31/2023

	Total Budgeted	**Total Spent**	Balance Remaining*
Grant Funds	$135,931.00	**$135,931.00**	$0.00
Match Funds	$22,750.00	**$21,784.06**	$965.94
Other Funds	$0.00	**$0.00**	$0.00
Total	$158,681.00	**$157,715.06**	$965.94

***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 - SWCD Local Capacity Services (Pope SWCD)	$5,000.00	$6,129.76	($1,129.76)	N
Agricultural Practices Cost Share	Agricultural Practices	Current State Grant	2021 - SWCD Local Capacity Services (Pope SWCD)	$20,931.00	$20,695.93	$235.07	N
Education and	Education/Information	Current State Grant	2021 - SWCD Local Capacity Services	$25,000.00	$25,000.00	$0.00	N

Activity Name	*Category*	*Source Type*	*Source Description*	*Budgeted*	*Spent*	*Balance Remaining*	*Match Fund?*
Information-Staff 2021			(Pope SWCD)				
Riparian Zone Management-Monitoring Data Collection 2021	Monitoring/Data Collection	Current State Grant	2021 - SWCD Local Capacity Services (Pope SWCD)	$10,000.00	$8,900.00	$1,100.00	N
Water Storage and Treatment-Stormwater Runoff Analysis City of Lowry	Project Development	Current State Grant	2021 - SWCD Local Capacity Services (Pope SWCD)	$22,100.00	$19,088.23	$3,011.77	N
Soil Erosion-Staff 2021	Technical/Engineering Assistance	Local Fund	County Match	$11,375.00	$11,375.00	$0.00	Y
Ripairian Zone Management Staff 2021	Technical/Engineering Assistance	Local Fund	County Match	$11,375.00	$10,409.06	$965.94	Y
Soil Erosion-Staff 2021	Technical/Engineering Assistance	Current State Grant	2021 - SWCD Local Capacity Services (Pope SWCD)	$15,000.00	$12,893.13	$2,106.87	N
Ripairian Zone Management Staff 2021	Technical/Engineering Assistance	Current State Grant	2021 - SWCD Local Capacity Services (Pope SWCD)	$37,900.00	$43,223.95	($5,323.95)	N

Indicator Summary

Indicator Category	*Proposed Indicator*	*Total Value*	*Unit*

Indicator Category	*Final Indicator*	*Total Value*	*Unit*
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	421.94	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	366.9	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	530.78	Tons/Yr

Grant Activities

Activity Name: Administration Coordination

Activity Category: Administration/Coordination | **Staff time?:** Yes

Description: Funds will be spent by the SWCD staff to complete the administration of the grant. Administration duties includes but is not limited to completing elink reporting, supervision of staff hired for this grant, coordination of activities necessary to complete this grant. this includes progress reporting to the SWCD board on the status of the funding and billable time tracking of applicable staff.

Budget Details

Source Type	Source Description	Budgeted	Spent	Balance Remaining	Last Transaction Date	Match Fund?
Current State Grant	2021 - SWCD Local Capacity Services (Pope SWCD)	$5,000.00	$6,129.76	($1,129.76)	09/30/2023	N

Actual Results

There were no funds spent in this activity in 2021.2022-Funds were spent by the SWCD staff to complete the administration of the grant. Administration duties includes but is not limited to completing elink reporting, supervision of staff hired for this grant, coordination of activities necessary to complete this grant. this includes progress reporting to the SWCD board on the status of the funding and billable time tracking of applicable staff.

The project has been fully expended and reported as of 11/07/2023.

Activity Name: Agricultural Practices Cost Share

Activity Category: Agricultural Practices | **Staff time?:** No

Description: The funds will be used to cost share installation of practices consistent with BWSR Cost Share Policies which may include agricultural practices such as erosion and sediment control that will further the goals in the Pope County Comprehensive Water Management Plan. Activities will include those that protect and enhance lakes, streams, ditches, or compliance with existing regulations.

Budget Details

Source Type	Source Description	Budgeted	Spent	Balance Remaining	Last Transaction Date	Match Fund?
Current State Grant	2021 - SWCD Local Capacity Services (Pope SWCD)	$20,931.00	$20,695.93	$235.07	06/20/2023	N

Actual Results

There were no funds spent in this category in 2021.
2022-The funds were used to cost share installation of practices consistent with BWSR Cost Share Policies which may include agricultural practices such as erosion and sediment control that will further the goals in the Pope County Comprehensive Water Management Plan. Activities will include those that protect and enhance lakes, streams, ditches, or compliance with existing regulations. There were two projects and 10 structures completed in 2022 for erosion and sediment control practices. We have exhausted most of these funds in this category. Payments were processed in early 2023.

These funds were exhausted in 2022 with the 10 structures implemented. There was no further projects in 2023 but payments were processed in 2023.

Final Indicators		
Indicator	**Total Value**	**Unit**
Soil (Est. Savings)	530.78	Tons/Yr
Sediment (Tss)	366.9	Tons/Yr
Phosphorus (Est. Reduction)	421.94	Lbs/Yr

Activity Action Name:	CAP01-21 Jake Johnsrud	Activity Count: 4
Practice Type:	638 - Water and Sediment Control Basin	Size/Units: 4 - Acre-Feet/Yr
TA Provider/JAA:	TSA	Lifespan: 10 Years
Practice Description:	4 water and sediment control structures	Install Date: 11/08/2022
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	79.81	Bwsr Calc (Gully Stabilization)	Chippewa River/Lake Emily
Soil (Est. Savings)	Tons/Yr	198.28	Bwsr Calc (Gully Stabilization)	Chippewa River/Lake Emily
Sediment (Tss)	Tons/Yr	69.4	Bwsr Calc (Gully Stabilization)	Chippewa River/Lake Emily

Activity Action Name:	EB09-2021 Mark Nelson	Activity Count: 4
Practice Type:	638 - Water and Sediment Control Basin	Size/Units: 4 - Acre-Feet/Yr
TA Provider/JAA:	TSA	Lifespan: 10 Years
Practice Description:	4 water and sediment control basins	Install Date: 05/12/2023
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	35	Bwsr Calc (Gully Stabilization)	East Branch Chippewa River
Soil (Est. Savings)	Tons/Yr	70	Bwsr Calc (Gully Stabilization)	East Branch Chippewa River
Phosphorus (Est. Reduction)	Lbs/Yr	40.25	Bwsr Calc (Gully Stabilization)	East Branch Chippewa River

Activity Action Name:	CS03-21 Loren Boysen	Activity Count: 6
Practice Type:	638 - Water and Sediment Control Basin	Size/Units: 6 - Acre-Feet/Yr
TA Provider/JAA:	NRCS	Lifespan: 10 Years
Practice Description:	6 water and sediment control basins	Install Date: 11/15/2022
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	301.88	Bwsr Calc (Gully Stabilization)	Diamond
Sediment (Tss)	Tons/Yr	262.5	Bwsr Calc (Gully Stabilization)	Diamond
Soil (Est. Savings)	Tons/Yr	262.5	Bwsr Calc (Filter Strip)	Diamond

Activity Name: Education and Information-Staff 2021

Activity Category: Education/Information **Staff time?:** Yes

Description: Funds will be spent to increase staff capacity for education and information activities. This includes both adult and youth programming to further the mission of the SWCD and to create awareness of our local resources and efforts to protect and restore them. These funds will be used for fulltime staff and interns working on programming.

Budget Details

Source Type	Source Description	Budgeted	Spent	Balance Remaining	Last Transaction Date	Match Fund?
Current State Grant	2021 - SWCD Local Capacity Services (Pope SWCD)	$25,000.00	$25,000.00	$0.00	12/31/2022	N

Actual Results

2021 and 2022 Funds were spent to increase staff capacity for education and information activities. This includes both adult and youth programming to further the mission of the SWCD and to create awareness of our local resources and efforts to protect and restore them. These funds were used for fulltime staff and interns working on programming. This category has been fully exhausted at the end of 2022.

The funds were used to add staff capacity for education and information activities. This included both youth and adult programming. This was fully expended in 2022.

Activity Name: Ripairian Zone Management Staff 2021

Activity Category: Technical/Engineering Assistance | **Staff time?:** Yes

Description: Funds will be used to add staff capacity to assist with the implementation of activities that enhance and protect lakes, streams, ditches, or waterways. Examples include targeted buffers, strategically implemented habitat/native plantings, technical and financial assistance to achieve compliance with existing regulations, streambank and shoreline protection types of projects.

Budget Details

Source Type	Source Description	Budgeted	Spent	Balance Remaining	Last Transaction Date	Match Fund?
Current State Grant	2021 - SWCD Local Capacity Services (Pope SWCD)	$37,900.00	$43,223.95	($5,323.95)	09/30/2023	N
Local Fund	County Match	$11,375.00	$10,409.06	$965.94	09/30/2023	Y

Actual Results

There were no funds spent in this category in 2021.
2022-Funds were used to add staff capacity to assist with the implementation of activities that enhance and protect lakes, streams, ditches, or waterways. Examples include targeted buffers, strategically implemented habitat/native plantings, technical and financial assistance to achieve compliance with existing regulations, streambank and shoreline protection types of projects.

Funds were used to add staff capacity to assist with the implementation of activities that enhance and protect lakes, streams, ditches, or waterways. Examples include targeted buffers, strategically implemented habitat/native plantings, technical and financial assistance to achieve compliance with existing regulations, streambank and shoreline protection types of projects.

Activity Name: Riparian Zone Management-Monitoring Data Collection 2021

Activity Category: Monitoring/Data Collection | **Staff time?:** No

Description: Funds will be spent by the SWCD to complete updates 20+ Lake Reports with monitoring information completed annually as well as the overall lake summery report. RMB Lab will be contracted with to update these reports. These reports will be beneficial as projects are completed and understanding progress on measuring improvement from implementation efforts.

Budget Details

Source Type	Source Description	Budgeted	Spent	Balance Remaining	Last Transaction Date	Match Fund?
Current State Grant	2021 - SWCD Local Capacity Services (Pope SWCD)	$10,000.00	$8,900.00	$1,100.00	09/07/2023	N

Actual Results

There were no funds spent in this category in 2021.
2022-Funds were spent by the SWCD to complete updates 20+ Lake Reports with monitoring information completed annually as well as the overall lake summery report. RMB Lab was contracted with to update these reports. These reports will be beneficial as projects are completed and understanding progress on measuring improvement from implementation efforts.

Funds were used to update 20+ Lake Reports with the most current monitoring information collected. These reports are beneficial and will help inform how progress is being made.

Activity Name: Soil Erosion-Staff 2021

Activity Category: Technical/Engineering Assistance | **Staff time?:** Yes

Description: Funds will be used to pay for staff increased capacity time to assist producers with installation and planning of erosion and sediment control practices as defined in the Pope County Comprehensive Local Water Management Plan. In addition funds can be utilized for assistance from the West Central Technical Service Engineering staff to work on project designs.

Budget Details

Source Type	Source Description	Budgeted	Spent	Balance Remaining	Last Transaction Date	Match Fund?
Local Fund	County Match	$11,375.00	$11,375.00	$0.00	04/21/2023	Y
Current State Grant	2021 - SWCD Local Capacity Services (Pope SWCD)	$15,000.00	$12,893.13	$2,106.87	04/21/2023	N

Actual Results

There were no funds spent in this category in 2021.
2022-Funds were used to pay for staff increased capacity time to assist producers with installation and planning of erosion and sediment control practices as defined in the Pope County Comprehensive Local Water Management Plan. In addition funds can be utilized for assistance from the West Central Technical Service Engineering staff to work on project designs.

Funds were used for increased staff capacity to assist producers with planning and installation of erosion and sediment control projects. In addition funds were used for assistance from the West Central Technical Service Area Engineering.

Activity Name: Water Storage and Treatment-Stormwater Runoff Analysis City of Lowry

Activity Category: Project Development | **Staff time?:** Yes

Description: Funding will be used to analyze the stormwater runoff in and around the City of Lowry. The work will include SWCD staff or contracted consultants to complete a site survey of eroding channels, culverts, and storm sewers. Information will be gathered from road authorities on existing culverts and infrastructure including state, township, city, and county. Hydrocad will be used to create an identified flow path with erosion concerns. This analysis will help to identify the best stabilization solutions. This project will also include identification of stormwater treatment BMPs in and around the city with design and concept sheets generated for these. A MIDS calculator will be created to quantify the watershed TSS and TP loading reductions and cost benefit. This project will access existing PTMapp information from the Lake Emily project area and will further focus in within the smaller subwatershed around the City of Lowry. Landowners in this area have raised concerns on the impacts from stormwater coming through the City of Lowry and affecting agricultural parcels. A bigger investigation is needed to fully understand the project area before BMPs are implemented.

Budget Details

Source Type	Source Description	Budgeted	Spent	Balance Remaining	Last Transaction Date	Match Fund?
Current State Grant	2021 - SWCD Local Capacity Services (Pope SWCD)	$22,100.00	$19,088.23	$3,011.77	05/18/2023	N

Actual Results
There were no funds spent in this category in 2021. 2022-Funding was used to analyze the stormwater runoff in and around the City of Lowry. The work included SWCD staff or contracted consultants (Houston Engineering) to complete a site survey of eroding channels, culverts, and storm sewers. Information will be gathered from road authorities on existing culverts and infrastructure including state, township, city, and county. Hydrocad will be used to create an identified flow path with erosion concerns. This analysis will help to identify the best stabilization solutions. This project will also include identification of stormwater treatment BMPs in and around the city with design and concept sheets generated for these. A MIDS calculator will be created to quantify the watershed TSS and TP loading reductions and cost benefit. This project will access existing PTMapp information from the Lake Emily project area and will further focus in within the smaller subwatershed around the City of Lowry. Landowners in this area have raised concerns on the impacts from stormwater coming through the City of Lowry and affecting agricultural parcels. A bigger investigation is needed to fully understand the project area before BMPs are implemented. The survey was completed in 2022 and reports will be finished in 2023 exhausting the funds allocated in this initiative.
Funding was used to analyze the stormwater runoff in and around the City of Lowry. The work included SWCD staff and Houston Engineering consultants to complete a site survey of eroding channels, culverts, and storm sewers. Information was gathered from road authorities on existing culverts and infrastructure including state, township, city, and county. Hydrocad was used to create an identified flow path with erosion concerns. This analysis will help to identify the best stabilization solutions. This project included identification of stormwater treatment BMPs in and around the city with design and concept sheets generated for these. A MIDS calculator will be created to quantify the watershed TSS and TP loading reductions and cost benefit. This project accessed existing PTMapp information from the Lake Emily project area and will further focus in within the smaller subwatershed around the City of Lowry. Landowners in this area have raised concerns on the impacts from stormwater coming through the City of Lowry and affecting agricultural parcels. There are 8 BMPs identified in the report from Houston Engineering. They include: infiltration basin, filtration basin, wetland or sediment basin, water and sediment control basin, and grassed waterway. These projects will now be identified as action items in the Chippewa River Watershed Comprehensive Watershed Based Implementation Plan for completion.