



Grant All-Detail Report Projects and Practices 2017

Grant Title - 2017 Lake Emily Watershed BMP Targeted Implementation Project II

Grant ID - C17-8299-2

Organization - Pope SWCD

Original Awarded Amount	\$162,500.00	Grant Execution Date	4/20/2017
Required Match Amount	\$40,625.00	Original Grant End Date	12/31/2019
Required Match %	25%	Grant Day To Day Contact	Holly Kovarik
Current Awarded Amount	\$162,500.00	Current End Date	12/31/2020

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$162,500.00	\$162,500.00	\$0.00
Total Match Amount	\$40,625.00	\$53,238.15	\$-12,613.15
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$203,125.00	\$215,738.15	\$-12,613.15

**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
Construction Materials, Contractor Labor, and Equipment	Agricultural Practices	Current State Grant	2017 Lake Emily Watershed BMP Targeted Implementation Project	\$130,000.00	\$130,000.00	11/17/2020	N
Construction Materials, Contractor Labor, and Equipment	Agricultural Practices	Landowner Fund	local landowner match	\$40,625.00	\$53,238.15	11/17/2020	Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Grant Management and Reporting	Administration /Coordination	Current State Grant	2017 Lake Emily Watershed BMP Targeted Implementation Project	\$2,500.00	\$2,500.00	12/11/2020	N
Project Development	Project Development	Current State Grant	2017 Lake Emily Watershed BMP Targeted Implementation Project	\$10,000.00	\$10,000.00	12/23/2020	N
Technical Assistance and Engineering	Technical/Engineering Assistance	Current State Grant	2017 Lake Emily Watershed BMP Targeted Implementation Project	\$20,000.00	\$20,000.00	12/23/2020	N

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
638 - Water and Sediment Control Basin	8	8	8 COUNT	8 COUNT
638 - Water and Sediment Control Basin	4	4	4 COUNT	4 COUNT
638 - Water and Sediment Control Basin	5	5	5 COUNT	5 COUNT
638 - Water and Sediment Control Basin	10	10	10 COUNT	10 COUNT

Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
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Final Indicators Summary

Indicator Name	Total Value	Unit
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SEDIMENT (TSS)	1,726.46	TONS/YR
SOIL (EST. SAVINGS)	1,831.69	TONS/YR
PHOSPHORUS (EST. REDUCTION)	1,985.44	LBS/YR

Grant Activity

Grant Activity - Construction Materials, Contractor Labor, and Equipment

Description	Clean Water grant funds and landowner cash match for total project costs for contractors and earth work needed to complete construction on 26 water and sediment control projects including shoreline restoration and riparian restoration projects. These projects are located in the sub watersheds contributing to Lake Emily. These projects will address surface water quality sources as identified in the Pope County Comprehensive Water Plan including direct drainage from the Lake Emily sub watersheds. Based on averages calculated in the past WASCOBs in the West Central Technical Service Area projects have the potential to reduce sediment load leaving the field by 607.10 Tons/year of TSS and 520 lbs/year of TP which will directly address 15% of Lake Emily's TP load reduction goal for the direct drainage from stormwater runoff. This project will include landowner match or local match for the project construction completed. Cost share will cover up to 75% and the remaining 25% of the project costs will be at the responsibility of the landowner. A water quality decision support application will be used to fund projects with the medium to highest priority for funding.		
Category	AGRICULTURAL PRACTICES		
Start Date	20-Apr-17	End Date	16-Dec-20
Has Rates and Hours?	No		
Actual Results	Clean Water grant funds and landowner cash match for total project costs for contractors and earth work needed to complete construction on water and sediment control basin projects. We have installed 27 structures as of 12/16/2020. The project costs will be split between two landowners and two FY of Lake Emily grant funds to complete.		

Activity Action - CWF17-01 Todd and Tom Johnshoy			
Practice	638 - Water and Sediment Control Basin	Count of Activities	4
Description	4 water and sediment control basin structures were installed		
Proposed Size / Units	4.00 COUNT	Lifespan	10 Years
Actual Size/Units	4.00 COUNT	Installed Date	1-Nov-18
Mapped Activities	4 Point(s)	Technical Assistance Provider	

Final Indicator for CWF17-01 Todd and Tom Johnshoy			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	121.02
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Emily		

Final Indicator for CWF17-01 Todd and Tom Johnshoy			
Indicator Name	SEDIMENT (TSS)	Value	105.23
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Emily		

Final Indicator for CWF17-01 Todd and Tom Johnshoy			
Indicator Name	SOIL (EST. SAVINGS)	Value	210.46
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Emily		

Activity Action - CWF17-04 Richard Feigum			
Practice	638 - Water and Sediment Control Basin	Count of Activities	8
Description	8 Water and Sediment Control Structures		
Proposed Size / Units	8.00 COUNT	Lifespan	10 Years
Actual Size/Units	8.00 COUNT	Installed Date	11-Nov-20
Mapped Activities	8 Point(s)	Technical Assistance Provider	TSA

Final Indicator for CWF17-04 Richard Feigum			
Indicator Name	SOIL (EST. SAVINGS)	Value	568.08
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Emily		

Final Indicator for CWF17-04 Richard Feigum			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	653.30
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Emily		
Final Indicator for CWF17-04 Richard Feigum			
Indicator Name	SEDIMENT (TSS)	Value	568.08
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Emily		

Activity Action - CWF17-02 Todd and Tom Johnshoy			
Practice	638 - Water and Sediment Control Basin	Count of Activities	10
Description	10 Water and Sediment Control Structures		
Proposed Size / Units	10.00 COUNT	Lifespan	10 Years
Actual Size/Units	10.00 COUNT	Installed Date	1-May-20
Mapped Activities	10 Point(s)	Technical Assistance Provider	TSA

Final Indicator for CWF17-02 Todd and Tom Johnshoy			
Indicator Name	SOIL (EST. SAVINGS)	Value	568.75
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Outlet Creek/Lake Emily		
Final Indicator for CWF17-02 Todd and Tom Johnshoy			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	654.06
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Outlet Creek/Lake Emily		
Final Indicator for CWF17-02 Todd and Tom Johnshoy			
Indicator Name	SEDIMENT (TSS)	Value	568.75
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Outlet Creek/Lake Emily		

Activity Action - CWF17-03 Johnshoy			
Practice	638 - Water and Sediment Control Basin	Count of Activities	5
Description	5 WASCOB		
Proposed Size / Units	5.00 COUNT	Lifespan	10 Years
Actual Size/Units	5.00 COUNT	Installed Date	16-May-20
Mapped Activities	5 Point(s)	Technical Assistance Provider	TSA

Final Indicator for CWF17-03 Johnshoy			
Indicator Name	SEDIMENT (TSS)	Value	484.40
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Outlet Creek/Lake Emily		

Final Indicator for CWF17-03 Johnshoy			
Indicator Name	SOIL (EST. SAVINGS)	Value	484.40
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Outlet Creek/Lake Emily		

Final Indicator for CWF17-03 Johnshoy			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	557.06
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Outlet Creek/Lake Emily		

Grant Activity - Grant Management and Reporting			
Description	Pope SWCD staff managing reporting requirements of grant funds and elink updates. Funds will be spent for Pope SWCD staff time reporting requirements of grant funds, and elink updates pursuant to this grant and projects implemented in the subwatershed contributing to pollution concerns in Lake Emily. The SWCD will follow the FY16 Clean Water Fund Policies for the administration of this grant.		
Category	ADMINISTRATION/COORDINATION		
Start Date	20-Apr-17	End Date	16-Dec-20
Has Rates and Hours?	Yes		
Actual Results	27 BMPs have been implemented and the project will be closed out at the end of 2020. These funds were used for administration and coordination of the project including elink updates.		

Grant Activity - Project Development

Description	Funds will be spent for Pope SWCD staff coordinating with landowners to develop work plans and strategies for implementing erosion and sediment control projects in the sub watersheds to Lake Emily. The SWCD will use already developed water quality decision support applications for these sub watersheds to prioritize and target the implementation of BMPs. The SWCD will contract with the landowners on each project and will follow the procedures for implementation and contraction with landowners as outlined in the BWSR administration manual. The project will include the typical communication tools including newsletters, signs at the location of projects, press releases, targeted mailings, and tours.		
Category	PROJECT DEVELOPMENT		
Start Date	20-Apr-17	End Date	23-Dec-20
Has Rates and Hours?	Yes		
Actual Results	Staff has been working with landowners in 2019/2020 coordinating getting projects ready for implementation in 2020. We have constructed 27 WASCOBs with this funding.		

Grant Activity - Technical Assistance and Engineering

Description	Funds will be spent on partnering with engineering staff (NRCS/TSA/SWCD/Consultant) to develop WASCOB, shoreline restorations, and erosion and sediment control projects including construction plans. Pope SWCD staff will complete elements of the construction implementation process including survey, design, and construction oversight. The NRCS Field Office Technical guide Standards will be followed.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	20-Apr-17	End Date	23-Dec-20
Has Rates and Hours?	No		
Actual Results	These are funds for engineering and technical work on these projects. We have installed 27 structures as of 12/23/20.		

Grant Attachments

Document Name	Document Type	Description
2017 Competitive Grant	Grant Agreement	2017 Competitive Grant - Pope SWCD
2017 Competitive Grant Amendment EXECUTED	Grant Agreement Amendment	
2017 Competitive Grant executed	Grant Agreement	2017 Competitive Grant - Pope SWCD

Document Name	Document Type	Description
2017 Lake Emily Financial Report 10-15-20	Grant	2017 Lake Emily Watershed BMP Targeted Implementation Project II
2017 Lake Emily Phase II AMENDMENT - Pope SWCD	Grant Agreement Amendment	
2017 Lake Emily Project Log	Grant	2017 Lake Emily Watershed BMP Targeted Implementation Project II
2017 Lake Emily Targeted Watershed Project II Map	Grant	2017 Lake Emily Watershed BMP Targeted Implementation Project II
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 05/11/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 07/21/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 05/09/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 07/21/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 07/21/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/17/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/30/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/25/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/15/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 12/23/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/14/2019
Application	Workflow Generated	Workflow Generated - Application - 08/04/2016
BC Comments	Journal	Journal Dated - 02/21/2017
C17-8299-2 Reconciliation Checklist	Journal	Journal Dated - 10/21/2020
Email to LGU	Journal	Journal Dated - 02/21/2017
Financial Report 12-31-2018	Grant	2017 Lake Emily Watershed BMP Targeted Implementation Project II
Financial Report Final	Grant	2017 Lake Emily Watershed BMP Targeted Implementation Project II
Financial Report and Quickbooks Report Year End 2019	Grant	2017 Lake Emily Watershed BMP Targeted Implementation Project II
Project Log 10-15-20	Grant	2017 Lake Emily Watershed BMP Targeted Implementation Project II
Quickbooks Report and Expenditures 2018	Grant	2017 Lake Emily Watershed BMP Targeted Implementation Project II
Quickbooks Report and Expenditures 2019	Grant	2017 Lake Emily Watershed BMP Targeted Implementation Project II
Quickbooks Report and Expenditures 2020	Grant	2017 Lake Emily Watershed BMP Targeted Implementation Project II
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 12/14/2016

Document Name	Document Type	Description
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 02/21/2017
grantmap_16934_2016-08-04_08-03-50-AM.jpg	Grant	2017 Lake Emily Watershed BMP Targeted Implementation Project II