



Grant All-Detail Report Projects and Practices 2019

Grant Title - Protecting Del Clark Lake and Restoring Canby Creek

Grant ID - C19-2042

Organization - Lac qui Parle-Yellow Bank WD

Original Awarded Amount	\$300,000.00	Grant Execution Date	4/4/2019
Required Match Amount	\$75,000.00	Original Grant End Date	12/31/2021
Required Match %	25%	Grant Day To Day Contact	Mitchell Enderson
Current Awarded Amount	\$300,000.00	Current End Date	12/31/2022

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$300,000.00	\$214,471.06	\$85,528.94
Total Match Amount	\$75,000.00	\$57,984.83	\$17,015.17
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$375,000.00	\$272,455.89	\$102,544.11

*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
Del Clark Lake and Canby Creek watershed project construction	Agricultural Practices	Current State Grant	Protecting Del Clark Lake and Restoring Canby Creek	\$260,000.00	\$197,231.51	7/28/2021	N
Education and Outreach	Education/Information	Local Fund		\$5,000.00	\$5,381.25	1/4/2022	Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Engineering and Design of Upstream Projects	Technical/Engineering Assistance	Current State Grant	Protecting Del Clark Lake and Restoring Canby Creek	\$40,000.00	\$17,239.55	7/28/2021	N
General Grant Administration	Administration /Coordination	Local Fund		\$20,000.00	\$6,757.58	12/31/2021	Y
Project Development	Project Development	Local Fund		\$25,000.00	\$9,338.63	12/31/2021	Y
Upstream Project Cost Share Landowner	Agricultural Practices	Landowner Fund		\$10,000.00	\$6,392.65	12/31/2019	Y
Upstream Project Cost Share Programs	Agricultural Practices	Federal Funds		\$15,000.00	\$30,114.72	12/31/2019	Y

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
350 - Sediment Basin	1	1	1.3 AC	AC
350 - Sediment Basin	1	1	0.4 AC	AC
350 - Sediment Basin	1	1	0.1 AC	AC

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
SEDIMENT (TSS)	667.00	TONS/YR
PHOSPHORUS (EST. REDUCTION)	667.00	LBS/YR

Grant Activity

Grant Activity - Del Clark Lake and Canby Creek watershed project construction

Description	Construction & installation expenses, including three already designed control structures in gullies just upstream of Del Clark to protect an important water resource currently in full support of aquatic recreation from pollutant loading. It is expected that Area II MN River Basin Projects will be providing the Technical and Engineering assistance for the 3 projects. Additional high priority upstream BMPs will be selected to further protect Canby Creek and the surrounding watershed and work to restore a current aquatic life impairment and make progress towards the associated TMDL. TSA 5 along with Lincoln and Yellow Medicine SWCD will be the main point of contacts for the technical and engineering for the upstream BMPs. The three Del Clark grade stabilization structures will have an expected activity lifespan of 25 years, structural upstream BMPs will have expected activity lifespans of 10 years, and non-structural upstream BMPs will have expected activity lifespans of 3 years. The design criteria to be used will follow FOTG standards and Area II designs.		
Category	AGRICULTURAL PRACTICES		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results	<p>12/31/19: Area II Engineers have completed surveying of project areas and provided draft project plans for the control structures near Del Clark Lake. Soil borings are anticipated in early 2020. No funds spent.</p> <p>12/31/21: Projects have been completed. Three large Basins were constructed and installed to reduce sediment and nutrient loading in Del Clark Lake. The projects have been effectively working since July, 2021. Water has been held back behind the retention structures, and vegetation regrowth in the project area has begun. A punch list of follow up work has been completed and will be inspected in the spring of 2022. Bid advertisements for the projects were placed in four local newspapers (Hendricks, Canby, Dawson, and Madison) for 3 weeks.</p>		

Activity Action - Del Clark Sediment Basin 1			
Practice	350 - Sediment Basin	Count of Activities	1
Description			
Proposed Size / Units	1.30 AC	Lifespan	25 Years
Actual Size/Units	AC	Installed Date	28-Jun-21
Mapped Activities	1 Point(s)	Technical Assistance Provider	Other

Final Indicator for Del Clark Sediment Basin 1			
Indicator Name	SEDIMENT (TSS)	Value	363
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Other
Waterbody	Surface Water - Del Clark Lake		
Final Indicator for Del Clark Sediment Basin 1			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	363
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	Surface Water - Del Clark Lake		

Activity Action - Del Clark Sediment Basin 2			
Practice	350 - Sediment Basin	Count of Activities	1
Description			
Proposed Size / Units	0.40 AC	Lifespan	25 Years
Actual Size/Units	AC	Installed Date	28-Jun-21
Mapped Activities	1 Point(s)	Technical Assistance Provider	Other

Final Indicator for Del Clark Sediment Basin 2			
Indicator Name	SEDIMENT (TSS)	Value	113
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Other
Waterbody	Surface water - Del Clark Lake		
Final Indicator for Del Clark Sediment Basin 2			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	113
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	Surface water - Del Clark Lake		

Activity Action - Del Clark Sediment Basin 3			
Practice	350 - Sediment Basin	Count of Activities	1
Description			
Proposed Size / Units	0.10 AC	Lifespan	25 Years
Actual Size/Units	AC	Installed Date	28-Jun-21
Mapped Activities	1 Point(s)	Technical Assistance Provider	Other

Final Indicator for Del Clark Sediment Basin 3			
Indicator Name	SEDIMENT (TSS)	Value	191
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Other
Waterbody	Surface water - Del Clark Lake		

Final Indicator for Del Clark Sediment Basin 3			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	191
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	Surface water - Del Clark Lake		

Grant Activity - Education and Outreach

Description	Plaques/Signs highlighting control structures at Del Clark Lake		
Category	EDUCATION/INFORMATION		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results	<p>12/31/19: No funds spent. Plaques will be designed following project installation.</p> <p>8/11/21: Sign design has been completed and is under construction with sign company. Sign design is included as an attachment.</p> <p>12/17/21: Sign installed. Will need to return in spring 2022 to reattach top portion of the sign, holes are predrilled. Kockelmans construction was able to come out and drill sign post holes with bobcat auger. Sign installation pictures included in attachments.</p>		

Grant Activity - Engineering and Design of Upstream Projects

Description	It is expected that Area II MN River Basin Projects will be providing the Technical and Engineering assistance for the 3 projects. TSA 5 along with Lincoln and Yellow Medicine SWCD will be the main point of contacts for the technical and engineering for the upstream BMPs. The design criteria to be used will follow FOTG standards and Area II designs.	
Category	TECHNICAL/ENGINEERING ASSISTANCE	
Start Date		End Date
Has Rates and Hours?	No	
Actual Results	<p>12/31/19: Yellow Medicine SWCD has provided technical assistance locating potential projects with landowners. Project selection will occur after control structures are complete near Del Clark and remaining funds are known. No funds spent.</p> <p>Expenses were reimbursed to Area II July, 2021.</p> <p>8/18/21: Geotechnical exploration was completed for Del Clark project sites and borrow area by American Engineering Testing, Inc. Bolton & Menk provided engineering through Area II Minnesota River Basins for three sediment ponds. Snow removal for soil borings was provided by Kockelman Construction of Canby.</p>	

Description

General grant administration including expense tracking, time tracking, reporting, reimbursement requests, bill paying, ect...

Category	ADMINISTRATION/COORDINATION	
Start Date		End Date
Has Rates and Hours?	No	
Actual Results	<p>4/4/19 - 12/31/19:</p> <p>Mitch: General grant administration, cooperation agreements, communication and assistance with Area II, time tracking. 57.75 hours @ \$50.68/hr = \$2,926.77</p> <p>Trudy: Grant administration and tracking of grant funds. 8 hours @ \$67.78/hr = \$542.24</p> <p>1/1/20-12/31/20</p> <p>Mitch: General grant administration, time tracking, reporting: 16.75 hours @ \$47.63/hr: \$797.80</p> <p>Trudy: Grant administration and tracking of funds 2 hours @ \$68.25/hr: \$136.50</p> <p>1/1/21-12/31/21:</p> <p>Mitch: General grant administration, time tracking, reporting: 35.75 hours @ \$48.76/hr: \$1,743.17</p> <p>Trudy: Grant administration and tracking of funds 7 hours @ \$67.80/hr: \$474.60</p>	

Description	Recruitment, ranking, and selection of projects and development of any legal requirements associated with projects to be completed by Watershed staff, Yellow Medicine Soil and Water Conservation District Staff, and Lincoln Soil and Water Conservation District Staff.		
Category	PROJECT DEVELOPMENT		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results	<p>4/4/19 - 12/31/19:</p> <p>Project development of control structures near Del Clark has included on site surveying of project area as well as completion and submittal of Joint Application for Activities Affecting Water Resources proposing an exemption under the Wetland Conservation Act.</p> <p>Mitch: 37.5 hours @ \$50.68/hr = \$1,900.50 Jared: .5 hours @ \$43.82/hr = \$21.91</p> <p>1/1/2020-12/31/2020:</p> <p>Project activity in 2020 involved coordination with the Army Corps of Engineers and supplying information to gain approval of a permit. Additional coordination with Area II regarding project details and plan for advertising/awarding project.</p> <p>Mitch: 48.75 hours @ \$47.63/hr: \$2,321.96</p> <p>1/1/21-12/31/21:</p> <p>Retention structures completed June 2021. Two larger retention structures utilized a single earthen berm, with riprap outlets. A third road retention structure was installed with a riprap outlet. The 3 structures are estimated by modeling to provide over 1,200 lbs/year of phosphorous and over 1,200 lbs/year of sediment relief from Del Clark Lake. Upstream project time has been spent modeling for potential projects. Commemorative sign design was completed in late July and is under construction. Multiple trips were made to follow progress and take photos. A site visit to view completed projects with Area II and BWSR staff occurred 2 weeks following construction. Conditions for construction were favorable. Tributaries entering Del Clark were dry enough for machinery to work while the borrow area contained enough moisture for fill material to compact. A minor rush to complete projects and make payment due to potential MN state government shutdown proved unnecessary. Coordination with Area II proved instrumental through project construction. As built construction plans are included as an attachment.</p> <p>Mitch: 118 hours @ \$48.76/hr = \$5,753.68 Trudy: 2.5 hours @ \$67.80/hr = \$169.50</p>		

Grant Activity - Upstream Project Cost Share Landowner

Description	Cost share from landowner match on priority upstream Best Management Practices aimed at restoring Canby Creek aquatic life impairment		
Category	AGRICULTURAL PRACTICES		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results	12/31/19: Four upstream WASCObS constructed through local Soil and Water Conservation District. Two projects with landowner contribution for grant match: Hoseck - \$2,544.47 & Knutson - \$3,848.18.		

Grant Activity - Upstream Project Cost Share Programs

Description	Cost share from non state Funds (EQIP, CSP, etc..) on priority upstream Best Management Practices aimed at restoring Canby Creek aquatic life impairment		
Category	AGRICULTURAL PRACTICES		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results	12/31/19: Four upstream WASCObS constructed utilizing EQIP funding as grant match: Hoseck - \$8,767.84 Knutson - \$17,078.00 Knutson - \$1,820.56 Thielges - \$3,482.08		

Grant Attachments

Document Name	Document Type	Description
2013 Land Use	Grant	Protecting Del Clark Lake and Restoring Canby Creek
2014 Land Use	Grant	Protecting Del Clark Lake and Restoring Canby Creek
2015 Land Use	Grant	Protecting Del Clark Lake and Restoring Canby Creek
2019 Competitive Grant	Grant Agreement	2019 Competitive Grant - Lac qui Parle-Yellow Bank WD

Document Name	Document Type	Description
2019 Competitive Grant EXECUTED	Grant Agreement	2019 Competitive Grant - Lac qui Parle-Yellow Bank WD
2019 Competitive Grant amendment EXECUTED	Grant Agreement Amendment	
8-18-21 Financial Report	Grant	Protecting Del Clark Lake and Restoring Canby Creek
8-18-21 Financial Report	Progress	Progress Dated - 08/04/2021
8-5-21 Financial Report	Grant	Protecting Del Clark Lake and Restoring Canby Creek
A&C Invoice	Progress	Progress Dated - 08/04/2021
A&C Invoice	Grant	Protecting Del Clark Lake and Restoring Canby Creek
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 08/25/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 08/25/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 08/06/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 08/04/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/19/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/12/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/20/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/31/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/19/2020
Application	Workflow Generated	Workflow Generated - Application - 08/31/2018
Area II Engineer Report	Grant	Protecting Del Clark Lake and Restoring Canby Creek
As Built Del Clark Construction	Grant	Protecting Del Clark Lake and Restoring Canby Creek
As built map	Grant	Protecting Del Clark Lake and Restoring Canby Creek
B&M and AET Invoices	Progress	Progress Dated - 08/04/2021
C19-2042 Reconciliation B Checklist	Journal	Journal Dated - 08/23/2021
Grant Agreement Extension	Grant Agreement Amendment	
HoleDrilling	Grant	Protecting Del Clark Lake and Restoring Canby Creek
Land Use Ratios	Grant	Protecting Del Clark Lake and Restoring Canby Creek
Landowner Outreach Letter	Grant	Protecting Del Clark Lake and Restoring Canby Creek
PJG Findings	Grant	Protecting Del Clark Lake and Restoring Canby Creek
PJG Followup	Grant	Protecting Del Clark Lake and Restoring Canby Creek
Potential Practices Map	Grant	Protecting Del Clark Lake and Restoring Canby Creek
Project Highlight Sign	Grant	Protecting Del Clark Lake and Restoring Canby Creek

Document Name	Document Type	Description
SPI	Grant	Protecting Del Clark Lake and Restoring Canby Creek
Sign	Grant	Protecting Del Clark Lake and Restoring Canby Creek
Site Map	Grant	Protecting Del Clark Lake and Restoring Canby Creek
Structure Site Map	Grant	Protecting Del Clark Lake and Restoring Canby Creek
Trout Stocking	Grant	Protecting Del Clark Lake and Restoring Canby Creek
WPA	Grant	Protecting Del Clark Lake and Restoring Canby Creek
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 12/19/2018
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 03/01/2019
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 03/01/2019