



Grant All-Detail Report Projects and Practices 2018

Grant Title - Blue Lake Priority Action Plan

Grant ID - C18-7714

Organization - Isanti SWCD

Original Awarded Amount	\$251,545.00	Grant Execution Date	1/26/2018
Required Match Amount	\$62,886.25	Original Grant End Date	12/31/2020
Required Match %	25%	Grant Day To Day Contact	Tiffany Determan
Current Awarded Amount	\$251,545.00	Current End Date	12/31/2020

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$251,545.00	\$78,503.18	\$173,041.82
Total Match Amount	\$62,959.00	\$23,780.51	\$39,178.49
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$314,504.00	\$102,283.69	\$212,220.31

*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
Administration	Administration /Coordination	Current State Grant	Blue Lake Priority Action Plan	\$1,512.00	\$1,391.24	6/30/2019	N
BLID SE Inlet Match	Special Projects	Local Fund	Cash Match	\$28,000.00			Y
BLID TA Match	Technical/Engineering Assistance	Local Fund	Cash Match	\$5,000.00			Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Community Engagement and Education	Education/Information	Current State Grant	Blue Lake Priority Action Plan	\$1,000.00	\$899.27	3/31/2019	N
Near Shore Match	Streambank or Shoreline Protection	Landowner Fund	cash and in-kind	\$22,446.00	\$15,603.81	2/19/2019	Y
Near Shore Stormwater/Erosion BMPs	Streambank or Shoreline Protection	Current State Grant	Blue Lake Priority Action Plan	\$73,648.00	\$45,057.25	2/19/2019	N
Project Development	Project Development	Current State Grant	Blue Lake Priority Action Plan	\$7,604.01	\$7,608.21	12/31/2019	N
SE Sand Filter	Special Projects	Current State Grant	Blue Lake Priority Action Plan	\$0.00			N
Technical Assistance	Technical/Engineering Assistance	Current State Grant	Blue Lake Priority Action Plan	\$45,825.80	\$6,765.22	12/31/2019	N
Twp Match	Urban Stormwater Management Practices	Landowner Fund	cash and in-kind	\$7,513.00	\$8,176.70	12/18/2018	Y
Urban Stormwater Projects	Urban Stormwater Management Practices	Current State Grant	Blue Lake Priority Action Plan	\$16,781.99	\$16,781.99	1/15/2019	N
Wetland Restoration	Wetland Restoration/Creation	Current State Grant	Blue Lake Priority Action Plan	\$105,173.20			N

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
712M - Bioretention Basin	3	3	0.02 AC	0.02 AC
580 - Streambank and Shoreline Protection	3	1	3 COUNT	3 COUNT

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
580 - Streambank and Shoreline Protection	2		2 COUNT	2 COUNT

Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
Urban Stormwater Projects	PHOSPHORUS (EST. REDUCTION)	1.5 LBS/YR	Blue Lake	WINSLAMM	
SE Sand Filter	PHOSPHORUS (EST. REDUCTION)	81 LBS/YR	Blue Lake	Other	modeling completed by Wenck Associates
Near Shore Stormwater/Erosion BMPs	PHOSPHORUS (EST. REDUCTION)	11 LBS/YR	Blue Lake	WINSLAMM	
Urban Stormwater Projects	SEDIMENT (TSS)	.17 TONS/YR	Blue Lake	WINSLAMM	
Near Shore Stormwater/Erosion BMPs	SEDIMENT (TSS)	9.4 TONS/YR	Blue Lake	WINSLAMM	
SE Sand Filter	Total Suspended Solids (TSS)	4.9 Mg/L	Blue Lake	WINSLAMM	

Final Indicators Summary

Indicator Name	Total Value	Unit
SEDIMENT (TSS)	7.87	TONS/YR
VOLUME REDUCED (ACRE-FEET/YEAR)	119.00	ACRE-FEET/YR
PHOSPHORUS (EST. REDUCTION)	9.27	LBS/YR

Grant Activity

Grant Activity - Administration	
Description	SWCD staff time to administer and report on grant.
Category	ADMINISTRATION/COORDINATION
Start Date	26-Jan-18 End Date
Has Rates and Hours?	Yes
Actual Results	T. Determan time to administer the grant.

Grant Activity - BLID SE Inlet Match	
Description	Blue Lake Improvement District for Sand Filter-Match
Category	SPECIAL PROJECTS
Start Date	End Date
Has Rates and Hours?	No
Actual Results	

Grant Activity - BLID TA Match	
Description	Blue Lake Improvement District-Match for TA
Category	TECHNICAL/ENGINEERING ASSISTANCE
Start Date	End Date
Has Rates and Hours?	No
Actual Results	

Grant Activity - Community Engagement and Education	
Description	Costs associated with an outreach mailing and the hosting of a workshop and tour.
Category	EDUCATION/INFORMATION
Start Date	26-Jan-18 End Date
Has Rates and Hours?	No
Actual Results	Workshop and outreach to lakeshore owners to take place Spring/summer 2019.

Grant Activity - Near Shore Match			
Description	Landowner (includes Township) match (cash and in-kind) for near shore stormwater projects.		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	26-Jan-18	End Date	
Has Rates and Hours?	No		
Actual Results	2018: Paulson CWF18-01- rain garden and enhanced buffer.		

Grant Activity - Near Shore Stormwater/Erosion BMPs			
Description	Includes 10,500 square feet of near-shore stormwater and erosion control on (private properties) and a gully and shoreline erosion reduction project on Stanford Township property.		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	26-Jan-18	End Date	
Has Rates and Hours?	No		
Actual Results	2018: 1 Near shore project: CWF18-01 Paulsons Stormwater Management Installation of Stanford Township shoreline erosion Control project. Payment has not been made as of 12/31/2018 as we are awaiting final documents from the township.		

Activity Action - Stanford Township Restoration			
Practice	580 - Streambank and Shoreline Protection	Count of Activities	3
Description	Shoreline Restoration, gully stabilization, rain garden		
Proposed Size / Units	3.00 COUNT	Lifespan	10 Years
Actual Size/Units	3.00 COUNT	Installed Date	21-Aug-18
Mapped Activities	1 Line(s)		

Final Indicator for Stanford Township Restoration			
Indicator Name	VOLUME REDUCED (ACRE-FEET/YEAR)	Value	119.00
Indicator Subcategory/Units	STORMWATER MANAGEMENT ACRE-FEET/YR	Calculation Tool	WINSLAMM
Waterbody	Blue Lake		

Final Indicator for Stanford Township Restoration			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	7.15
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	WINSLAMM
Waterbody	Blue Lake		
Final Indicator for Stanford Township Restoration			
Indicator Name	SEDIMENT (TSS)	Value	7.7
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	WINSLAMM
Waterbody	Blue Lake		

Activity Action - CWF18-01 Paulsons			
Practice	580 - Streambank and Shoreline Protection	Count of Activities	2
Description	iron enhanced sand trench and vegetated buffer		
Proposed Size / Units	2.00 COUNT	Lifespan	10 Years
Actual Size/Units	2.00 COUNT	Installed Date	16-Oct-18
Mapped Activities	No		

Final Indicator for CWF18-01 Paulsons			
Indicator Name	SEDIMENT (TSS)	Value	.02
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	MIDS
Waterbody	Blue Lake		
Final Indicator for CWF18-01 Paulsons			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	.62
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	MIDS
Waterbody	Blue		

Grant Activity - Project Development

Description	Covers SWCD staff time to 1) conduct attritional outreach to priority lakeshore owners and to rank individual parcels for near-shore practices. 2) reach out to landowners located in priority areas for wetland restorations- this will help us prioritize which location to target efforts at first. 3) coordinate first phases of work with the consultant- upfront of project design.	
Category	PROJECT DEVELOPMENT	
Start Date	26-Jan-18	End Date
Has Rates and Hours?	Yes	
Actual Results	Initial outreach and project development: T. Kulaf. Amendment made- April 2019. Near shore: List of interested landowners was made in 2019- projects were also prioritized and moved forward for design. Wetland: four wetland restoration locations were identified and investigated for suitability. three locations were determined to be inappropriate. The fourth location is currently under additional investigation.	

Grant Activity - SE Sand Filter

Description	Costs to install the SE Sand Filter to reduce particulate phosphorus from the SE inlet channelized wetland.	
Category	SPECIAL PROJECTS	
Start Date		End Date
Has Rates and Hours?	No	
Actual Results		

Grant Activity - Technical Assistance

Description	SWCD staff time to provide TA on all projects. This line item also includes contracting with vendors for TA required for successful design, permitting and oversight.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	26-Jan-18	End Date	
Has Rates and Hours?	Yes		
Actual Results	<p>Amendment made April 2019</p> <p>All Township projects complete.</p> <p>Near Shore: projects are currently being designed for installation in spring/summer 2020.</p> <p>Wetland: one location is undergoing investigation for project suitability and will be undergoing design if determined appropriate.</p>		

Grant Activity - Twp Match

Description	Spencer Brook Twp Match- sump installation		
Category	URBAN STORMWATER MANAGEMENT PRACTICES		
Start Date	26-Jan-18	End Date	31-Dec-18
Has Rates and Hours?	No		
Actual Results	Spencer Brook township Match: sump installation (\$8110) and twp in-kind time for installation oversight and management: \$66.70). The total match exceeded the estimated amount.		

Grant Activity - Urban Stormwater Projects			
Description	Includes stormwater and sediment reduction practices (2 bio-retention and a sump) in Spencer Brook Township ROWs within the direct watershed.		
Category	URBAN STORMWATER MANAGEMENT PRACTICES		
Start Date	26-Jan-18	End Date	
Has Rates and Hours?	No		
Actual Results	2018 Spencer Brook Township: 2 rain gardens, curb, and sump installation as planned. Project came in significantly under budget.		

Activity Action - Spencer Brook Rain Gardens and Sump			
Practice	712M - Bioretention Basin	Count of Activities	3
Description	2 rain gardens and a sump (match)		
Proposed Size / Units	0.02 AC	Lifespan	10 Years
Actual Size/Units	0.02 AC	Installed Date	18-Dec-18
Mapped Activities	3 Point(s)		

Final Indicator for Spencer Brook Rain Gardens and Sump			
Indicator Name	SEDIMENT (TSS)	Value	.15
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	WINSLAMM
Waterbody	Blue Lake		
Final Indicator for Spencer Brook Rain Gardens and Sump			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	1.5
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	WINSLAMM
Waterbody	Blue Lake		

Grant Activity - Wetland Restoration

Description	Three options for wetland restoration placement have been identified by Wenck based on water monitoring. The goal is to install up to 2 restorations (as current funding allows).		
Category	WETLAND RESTORATION/CREATION		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results			

Grant Attachments

Document Name	Document Type	Description
2018 Competitive Grant	Grant Agreement	2018 Competitive Grant - Isanti SWCD
2018 Competitive Grant executed	Grant Agreement	2018 Competitive Grant - Isanti SWCD
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/03/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/12/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/22/2019
Application	Workflow Generated	Workflow Generated - Application - 08/09/2017
Blue Lake Project Locations	Grant	Blue Lake Priority Action Plan
C18-7714_1 Reconciliation Checklist	Journal	Journal Dated - 10/25/2019
Interim Financial Report	Grant	Blue Lake Priority Action Plan
Paulson Stormwater and Lakeshore Phase 2	Grant	Blue Lake Priority Action Plan
Paulson Stormwater and Lakeshore Phase 2	Grant	Blue Lake Priority Action Plan
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 04/02/2019
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 12/20/2017
Work plan amendment request	Journal	Journal Dated - 04/02/2019
grantmap_19134_2017-08-08_03-51-50-PM.jpg	Grant	Blue Lake Priority Action Plan