



## 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	<b>\$251,545.00</b>	Grant Execution Date	<b>1/26/2018</b>
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	5/16/2022

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$251,545.00	\$128,366.79	\$123,178.21
Total Match Amount	\$62,959.00	\$29,997.76	\$32,961.24
Total Other Funds	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$314,504.00</b>	<b>\$158,364.55</b>	<b>\$156,139.45</b>

\*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	\$1,551.38	6/30/2020	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	\$21,821.06	10/20/2020	Y
Near Shore Stormwater/Erosion BMPs	Streambank or Shoreline Protection	Current State Grant	Blue Lake Priority Action Plan	\$73,648.00	\$58,889.11	10/20/2020	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	\$42,536.83	12/15/2020	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	\$100.00	7/21/2020	N

### Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
580 - Streambank and Shoreline Protection	1	1	150 SQUARE FEET	150 SQUARE FEET
712M - Bioretention Basin	3	3	0.02 AC	0.02 AC

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
580 - Streambank and Shoreline Protection	1	1	800 SQUARE FEET	800 SQUARE FEET
580 - Streambank and Shoreline Protection	3	1	3 COUNT	3 COUNT
342 - Critical Area Planting	1	1	0.02 AC	0.02 AC
580 - Streambank and Shoreline Protection	2		2 COUNT	2 COUNT

### Proposed Activity Indicators

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

### Final Indicators Summary

Indicator Name	Total Value	Unit
<b>SEDIMENT (TSS)</b>	9.00	TONS/YR
<b>SOIL (EST. SAVINGS)</b>	0.08	TONS/YR
<b>VOLUME REDUCED (ACRE-FEET/YEAR)</b>	10,937.00	ACRE-FEET/YR

<b>PHOSPHORUS (EST. REDUCTION)</b>	11.61	LBS/YR
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### 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 <span style="float: right;">End Date</span>
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 <span style="float: right;">End Date</span>
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 <span style="float: right;">End Date</span>
Has Rates and Hours?	No
Actual Results	2018: 3 Near shore projects: CWF18-01 Paulsons Stormwater Management ; CWF10-04 St. Marie Lakeshore Restoration; Stanford Township shoreline erosion Control project. CWF18-02 Stwora Stormwater mgmt CWF18-03 Schlusssel stormwater mgmt

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)	Technical Assistance Provider	

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	Technical Assistance Provider	

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		

Activity Action - CWF10-04 St. Marie Lakeshore Stabilization			
Practice	342 - Critical Area Planting	Count of Activities	1
Description			
Proposed Size / Units	0.02 AC	Lifespan	10 Years
Actual Size/Units	0.02 AC	Installed Date	21-Jul-20
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for CWF10-04 St. Marie Lakeshore Stabilization			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	.87
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	WINSLAMM
Waterbody	Blue Lake		

Final Indicator for CWF10-04 St. Marie Lakeshore Stabilization			
Indicator Name	SEDIMENT (TSS)	Value	.5
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	WINSLAMM
Waterbody	Blue Lake		

Activity Action - CWF18-02 Stwora Stormwater Reduction			
Practice	580 - Streambank and Shoreline Protection	Count of Activities	1
Description	bioretention basin		
Proposed Size / Units	150.00 SQUARE FEET	Lifespan	10 Years
Actual Size/Units	150.00 SQUARE FEET	Installed Date	20-Oct-20
Mapped Activities	1 Line(s)	Technical Assistance Provider	TSA

Final Indicator for CWF18-02 Stwora Stormwater Reduction			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	.5
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	WINSLAMM
Waterbody	Blue Lake		

Final Indicator for CWF18-02 Stwora Stormwater Reduction			
Indicator Name	SOIL (EST. SAVINGS)	Value	.075
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	WINSLAMM
Waterbody	Blue Lake		

Final Indicator for CWF18-02 Stwora Stormwater Reduction			
Indicator Name	VOLUME REDUCED (ACRE-FEET/YEAR)	Value	10818
Indicator Subcategory/Units	STORMWATER MANAGEMENT ACRE-FEET/YR	Calculation Tool	WINSLAMM
Waterbody	Blue Lake		

Activity Action - CWF18-03 Schlusel Restoration			
Practice	580 - Streambank and Shoreline Protection	Count of Activities	1
Description	shoreline erosion reduction		
Proposed Size / Units	800.00 SQUARE FEET	Lifespan	10 Years
Actual Size/Units	800.00 SQUARE FEET	Installed Date	20-Oct-20
Mapped Activities	1 Line(s)	Technical Assistance Provider	TSA

Final Indicator for CWF18-03 Schlusel Restoration			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	.97
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	WINSLAMM
Waterbody	Blue Lake		

Final Indicator for CWF18-03 Schlusel Restoration			
Indicator Name	SEDIMENT (TSS)	Value	.63
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	WINSLAMM
Waterbody	Blue Lake		



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 <span style="float: right;">End Date</span>
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	<span style="float: right;">End Date</span>
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.	
	Planned: SWCD TA: \$24,826.00 Wenck: \$21,000 (plus \$5,000 of BLID funds)	
Category	TECHNICAL/ENGINEERING ASSISTANCE	
Start Date	26-Jan-18	End Date
Has Rates and Hours?	Yes	
Actual Results	<p>1st 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>South East Inlet Basin: SWCD entered into contract with Wenck on 7/21/20 for design for basin on east side of Tiger Street.- this is east of the originally planned sand filter.</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)	Technical Assistance Provider	

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 amendment EXECUTED	Grant Agreement Amendment	
2018 Competitive Grant executed	Grant Agreement	2018 Competitive Grant - Isanti SWCD
2020-07-07 Work Plan Revision Request	Journal	Journal Dated - 07/07/2020
40 Percent Request Blue CWF	Grant	Blue Lake Priority Action Plan
40 percent financial request	Grant	Blue Lake Priority Action Plan
50% signed	Grant	Blue Lake Priority Action Plan
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 12/09/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/01/2020
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
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/03/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/26/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 12/16/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 12/15/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 12/16/2020
Application	Workflow Generated	Workflow Generated - Application - 08/09/2017
BC Recomendation for Extension	Journal	Journal Dated - 07/09/2020
Blue Lake Project Locations	Grant	Blue Lake Priority Action Plan

Document Name	Document Type	Description
<b>C18-7714_1 Reconciliation Checklist</b>	Journal	Journal Dated - 10/25/2019
<b>Interim Financial Report</b>	Grant	Blue Lake Priority Action Plan
<b>Isanti Grant Amendment</b>	Grant Agreement Amendment	
<b>Paulson Stormwater and Lakeshore Phase 2</b>	Grant	Blue Lake Priority Action Plan
<b>Paulson Stormwater and Lakeshore Phase 2</b>	Grant	Blue Lake Priority Action Plan
<b>Schlusel 2020</b>	Grant	Blue Lake Priority Action Plan
<b>Stwora 2020</b>	Grant	Blue Lake Priority Action Plan
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 04/02/2019
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 12/20/2017
<b>Work plan amendment request</b>	Journal	Journal Dated - 04/02/2019
<b>grantmap_19134_2017-08-08_03-51-50-PM.jpg</b>	Grant	Blue Lake Priority Action Plan