



Grant All-Detail Report

Watershed Based Implementation FEB 2021

Grant Title - Watonwan Watershed Implementation Grant - 2021-2023

Grant ID - C21-2483

Organization - Greater Blue Earth River Basin Alliance

Original Awarded Amount	\$700,477.00	Grant Execution Date	3/24/2021
Required Match Amount	\$70,047.70	Original Grant End Date	12/31/2023
Required Match %	10%	Grant Day To Day Contact	Kay Gross
Current Awarded Amount	\$700,477.00	Current End Date	12/31/2023

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$700,477.00	\$10,818.30	\$689,658.70
Total Match Amount	\$74,708.00	\$817.50	\$73,890.50
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$775,185.00	\$11,635.80	\$763,549.20

**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
2021 Watonwan 1W1P Administration	Administration /Coordination	Current State Grant	Watonwan Watershed Implementation Grant - 2021-2023	\$100,157.00	\$10,000.80	12/31/2021	N
2021 Watonwan 1W1P Agricultural Practices	Agricultural Practices	Current State Grant	Watonwan Watershed Implementation Grant - 2021-2023	\$250,000.00			N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
2021 Watonwan 1W1P Agricultural Practices	Agricultural Practices	Federal Funds	Match - Federal	\$30,960.00			Y
2021 Watonwan 1W1P Agricultural Practices	Agricultural Practices	Landowner Fund	Match - Landowner	\$13,158.00			Y
2021 Watonwan 1W1P Education/Information	Education/Information	Current State Grant	Watonwan Watershed Implementation Grant - 2021-2023	\$15,000.00			N
2021 Watonwan 1W1P Groundwater Practices	Groundwater	Current State Grant	Watonwan Watershed Implementation Grant - 2021-2023	\$20,000.00	\$817.50	12/17/2021	N
2021 Watonwan 1W1P Groundwater Practices	Groundwater	Landowner Fund	Match - Landowner	\$20,000.00	\$817.50	12/17/2021	Y
2021 Watonwan 1W1P Inventory/Mapping	Inventory/Mapping	Current State Grant	Watonwan Watershed Implementation Grant - 2021-2023	\$5,000.00			N
2021 Watonwan 1W1P Non-Structural Mgmt Practices	Non-Structural Management Practices	Current State Grant	Watonwan Watershed Implementation Grant - 2021-2023	\$40,320.00			N
2021 Watonwan 1W1P Planning/Assessment	Planning and Assessment	Current State Grant	Watonwan Watershed Implementation Grant - 2021-2023	\$45,000.00			N
2021 Watonwan 1W1P Project Development	Project Development	Current State Grant	Watonwan Watershed Implementation Grant - 2021-2023	\$15,000.00			N
2021 Watonwan 1W1P Shoreland Protection	Streambank or Shoreline Protection	Current State Grant	Watonwan Watershed Implementation Grant - 2021-2023	\$50,000.00			N
2021 Watonwan 1W1P Shoreland Protection	Streambank or Shoreline Protection	Landowner Fund	Match - Landowner	\$8,825.00			Y
2021 Watonwan 1W1P Technical/Engineering	Technical/Engineering Assistance	Current State Grant	Watonwan Watershed Implementation Grant - 2021-2023	\$150,000.00			N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
2021 Watonwan 1W1P Urban Practices	Urban Stormwater Management Practices	Current State Grant	Watonwan Watershed Implementation Grant - 2021-2023	\$10,000.00			N
2021 Watonwan 1W1P Urban Practices	Urban Stormwater Management Practices	Landowner Fund	Match - Landowner	\$1,765.00			Y

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
412 - Grassed Waterway and Swales	1		4.1 AC	AC
351 - Well Decommissioning	1	1	1 COUNT	1 COUNT
340 - Cover Crop	1		120 AC	AC
412 - Grassed Waterway and Swales	1		0.25 AC	AC

Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
2021 Watonwan 1W1P Non-Structural Mgmt Practices	PHOSPHORUS (EST. REDUCTION)	180 LBS/YR	Watonwan Watershed	Other	
2021 Watonwan 1W1P Agricultural Practices	PHOSPHORUS (EST. REDUCTION)	3960 LBS/YR	Watonwan Watershed	BWSR CALC (SHEET AND RILL)	Terrace Systems
2021 Watonwan 1W1P Agricultural Practices	PHOSPHORUS (EST. REDUCTION)	37800 LBS/YR	Watonwan Watershed	BWSR CALC (GULLY STABILIZATION)	Grass Waterways
2021 Watonwan 1W1P Agricultural Practices	PHOSPHORUS (EST. REDUCTION)	8040 LBS/YR	Watonwan Watershed	BWSR CALC (SHEET AND RILL)	WASCOBS
2021 Watonwan 1W1P	PHOSPHORUS (EST. REDUCTION)	21.92 LBS/YR	Watonwan	Other	Grade Stab/Side Inlets

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
Agricultural Practices	REDUCTION)		Watershed		
2021 Watonwan 1W1P Urban Practices	PHOSPHORUS (EST. REDUCTION)	2 LBS/YR	Watonwan Watershed	Other	Tree Planting
2021 Watonwan 1W1P Urban Practices	PHOSPHORUS (EST. REDUCTION)	15 LBS/YR	Watonwan Watershed	BWSR CALC (GULLY STABILIZATION)	Sediment Ponds
2021 Watonwan 1W1P Shoreland Protection	PHOSPHORUS (EST. REDUCTION)	301.92 LBS/YR	Watonwan Watershed	BWSR CALC (STREAM & DITCH STABILIZATION)	
2021 Watonwan 1W1P Non-Structural Mgmt Practices	NITROGEN	2112 LBS/YR	Watonwan Watershed	Other	
2021 Watonwan 1W1P Urban Practices	NITROGEN	1.25 LBS/YR	Watonwan Watershed	Other	Tree Planting
2021 Watonwan 1W1P Urban Practices	NITROGEN	10 LBS/YR	Watonwan Watershed	BWSR CALC (GULLY STABILIZATION)	Sediment Ponds
2021 Watonwan 1W1P Non-Structural Mgmt Practices	SOIL (EST. SAVINGS)	.25 TONS/YR	Watonwan Watershed	Other	
2021 Watonwan 1W1P Agricultural Practices	SOIL (EST. SAVINGS)	7.53 TONS/YR	Watonwan Watershed	BWSR CALC (SHEET AND RILL)	Terrace Systems
2021 Watonwan 1W1P Agricultural Practices	SOIL (EST. SAVINGS)	79.74 TONS/YR	Watonwan Watershed	BWSR CALC (GULLY STABILIZATION)	Grass Waterways
2021 Watonwan 1W1P Agricultural Practices	SOIL (EST. SAVINGS)	13.98 TONS/YR	Watonwan Watershed	BWSR CALC (SHEET AND RILL)	WASCOBS
2021 Watonwan 1W1P Agricultural Practices	SOIL (EST. SAVINGS)	13.02 TONS/YR	Watonwan Watershed	Other	Grade Stab/Side Inlets
2021 Watonwan 1W1P Urban Practices	SOIL (EST. SAVINGS)	15 TONS/YR	Watonwan Watershed	BWSR CALC (GULLY STABILIZATION)	Sediment Pond
2021 Watonwan 1W1P Shoreland Protection	SOIL (EST. SAVINGS)	262.5 TONS/YR	Watonwan Watershed	BWSR CALC (STREAM & DITCH STABILIZATION)	
2021 Watonwan 1W1P Non-Structural Mgmt Practices	SEDIMENT (TSS)	.05 TONS/YR	Watonwan Watershed	Other	
2021 Watonwan 1W1P Agricultural Practices	SEDIMENT (TSS)	1.83 TONS/YR	Watonwan Watershed	BWSR CALC (SHEET AND RILL)	Terrace Systems
2021 Watonwan 1W1P	SEDIMENT (TSS)	18.36 TONS/YR	Watonwan	BWSR CALC (GULLY	Grass Waterways

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
Agricultural Practices			Watershed	STABILIZATION)	
2021 Watonwan 1W1P Agricultural Practices	SEDIMENT (TSS)	3.72 TONS/YR	Watonwan Watershed	BWSR CALC (SHEET AND RILL)	WASCOBS
2021 Watonwan 1W1P Agricultural Practices	SEDIMENT (TSS)	13.02 TONS/YR	Watonwan Watershed	Other	Grade Stab/Side Inlets
2021 Watonwan 1W1P Urban Practices	SEDIMENT (TSS)	15 TONS/YR	Watonwan Watershed	BWSR CALC (GULLY STABILIZATION)	Sediment Pond
2021 Watonwan 1W1P Urban Practices	SEDIMENT (TSS)	.016 TONS/YR	Watonwan Watershed	Other	Tree Planting
2021 Watonwan 1W1P Shoreland Protection	SEDIMENT (TSS)	262.5 TONS/YR	Watonwan Watershed	BWSR CALC (STREAM & DITCH STABILIZATION)	
2021 Watonwan 1W1P Groundwater Practices	PREVENTION	20 COUNT	Watonwan Watershed	Other	

Final Indicators Summary

Indicator Name	Total Value	Unit
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Grant Activity

Grant Activity - 2021 Watonwan 1W1P Administration

Description	<p>The Greater Blue Earth River Basin Alliance (GBERBA) was appointed fiscal agent for the Watonwan River Watershed Implementation Grant and will track grant expenditures, process payments, and complete all grant reporting (including State of the Watershed Report) and other financial responsibilities.</p> <p>The Watonwan implementation process will flow through the GBERBA structure with monthly Technical Committee Meetings and Monthly Policy Board/Executive Board meetings. These meetings will be structured to incorporate Watonwan Steering Team and Policy Committee sessions for discussion on grant implementation activities. GBERBA contracted staff will be billing by calculated hourly rates throughout the grant process and complete all necessary reporting as requested. Staff include the GBERBA Administrative, Technical and Financial Coordinators.</p> <p>Grant policies will be created for each project category and reviewed by Technical Committee and approved by the Policy/Executive Board.</p>	
Category	ADMINISTRATION/COORDINATION	
Start Date	24-Mar-21	End Date
Has Rates and Hours?	Yes	
Actual Results	<p>Watonwan Watershed Implementation Grant 2021-2023 approved application date 3-1-2021. Work plan approved 3-23-2021 and grant agreement finalized on 3-24-2021.</p> <p>April - June 2021 Policy and contract development was completed. Administrative Coordinator - 15.75 hrs @ \$80.08 = \$1,261.26 Technical Coordinator - 11 hrs @ \$65.60 = \$721.60 Total Disbursement \$1,982.86 (Coordinator billings attached).</p> <p>July - December 2021: Administrative Coordinator - 54.25 hrs @ \$80.08 = \$4,344.34 Technical Coordinator - 56 hrs @ \$65.60 = \$3,673.60 Total Disbursement \$8,017.94 (hour tally attached).</p>	

Grant Activity - 2021 Watonwan 1W1P Agricultural Practices

<p>Description</p>	<p>Targeted agricultural practices will be determined by the project scoring/ranking worksheet with emphasis on planning region priority. Common practices include grass waterways, terraces, grade stabilization structures, water and sediment control basins and side inlets consistent with the USDA NRCS FOTG or be a professionally accepted engineered practice. Staff with the required JAA will have signing authority for the conservation plans and contracts. Producers will enter into contracts for structural agricultural practices that meet NRCS practice standards or professional accepted engineering standards, and GBERBA approved policy. Practices implemented through Federal programs including the Environmental Quality Incentives Program (EQIP) will be used to match State Funding. Match sources may also include the Ditch Authority, Counties or SWCDs (if non state funds).</p> <p>Cost-Share: Non-State Funded Partnership Projects - 95% State Funding (Alone) - 85% - Maximum \$50,000/project.</p> <p>Projected Match: Federal (EQIP) - \$30,960.00 Landowner - \$13,158.00 - Required 5%.</p>	
<p>Category</p>	<p>AGRICULTURAL PRACTICES</p>	
<p>Start Date</p>	<p>24-Mar-21</p>	<p>End Date</p>
<p>Has Rates and Hours?</p>	<p>No</p>	
<p>Actual Results</p>	<p>MARCH - DECEMBER 2021:</p> <p>Two cost-share projects were encumbered.</p> <p>WBIF-WW-21-17-01 - Grassed Waterway Estimated Project Cost: \$33,615.06 CS Encumbered: \$6,050.00 Landowner match: \$1,680.75 Federal Match: \$25,907.00</p> <p>WBIF-WW-21-17-03 Grassed Waterway/Diversion Estimated Project Cost: \$5,300.00 CS encumbered: \$4,505.00 Landowner match: \$795.00</p>	

Activity Action - WBIF-WW-21-17-03 Grassed Waterway			
Practice	412 - Grassed Waterway and Swales	Count of Activities	1
Description	Contract consists of one Grassed Waterway (412) and a Diversion (362) practice. Located in Lakeside township, section 8, Cottonwood County. Estimated size of diversion and waterway is 0.25 acres.		
Proposed Size / Units	0.25 AC	Lifespan	10 Years
Actual Size/Units	AC	Installed Date	
Mapped Activities	No	Technical Assistance Provider	TSA

Activity Action - WBIF-WW-21-17-01 Grassed Waterway			
Practice	412 - Grassed Waterway and Swales	Count of Activities	1
Description	Grassed waterway (412) and supporting tile, mulch, and seeding, estimated size 4.1 acres. Located in Carson township, section 22, Cottonwood county.		
Proposed Size / Units	4.10 AC	Lifespan	10 Years
Actual Size/Units	AC	Installed Date	
Mapped Activities	No	Technical Assistance Provider	NRCS

Grant Activity - 2021 Watonwan 1W1P Education/Information			
Description	Education and Information will focus on surface waters, groundwater, habitat and recreation, local knowledge and land stewardship criteria incorporated into watershed outreach efforts. Outreach will be completed by all 6 Counties and SWCDs throughout the Watonwan Watershed. Funding will be used for displays, direct mailings, postage and other media as requested.		
Category	EDUCATION/INFORMATION		
Start Date	24-Mar-21	End Date	
Has Rates and Hours?	No		
Actual Results	MARCH - DECEMBER 2021: No funds expended.		

Grant Activity - 2021 Watonwan 1W1P Groundwater Practices

Description	Well decommissioning will take place watershed wide with an emphasis on all DWSMAs and the Mankato Source Water Assessment Area. All wells will be decommissioned by state licensed well contractors. Cost-share: State Funding (Alone) - 50% - Maximum \$1,000/well. Projected Match: Landowner - \$20,000 - Required 50%		
Category	GROUNDWATER		
Start Date	24-Mar-21	End Date	
Has Rates and Hours?	No		
Actual Results	<p>MARCH - DECEMBER 2021: One contract encumbered and funds expended for one well sealed.</p> <p>WBIF-WW-21-07-01 Well Sealing Project cost: \$1,635.00 Encumbered: \$1,000.00 Funds expended: \$817.50 Match: \$817.50</p>		

Activity Action - WBIF-WW-21-07-01			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	One well sealed in Garden City township, section 23, Blue Earth county		
Proposed Size / Units	1.00 COUNT	Lifespan	In Perpetuity
Actual Size/Units	1.00 COUNT	Installed Date	17-Nov-21
Mapped Activities	1 Point(s)	Technical Assistance Provider	Private Consultant

Grant Activity - 2021 Watonwan 1W1P Inventory/Mapping

Description	Inventory and Mapping will be focused on the North Fork Watonwan River planning region with the completing of a culvert and bridge inventory. Local staff can utilize funds when working with landowners using their calculated hourly rates through time tracking. Invoices will be submitted according to hours worked, billable rates and description of services. (100% SWCD/County staff). Funds may also be expended for data collection applications or software.	
Category	INVENTORY/MAPPING	
Start Date	24-Mar-21	End Date
Has Rates and Hours?	No	
Actual Results	MARCH - DECEMBER 2021: No funds expended.	

Grant Activity - 2021 Watonwan 1W1P Non-Structural Mgmt Practices

Description	Non-structural agricultural management projects will focus on cover crops and be consistent with the USDA NRCS FOTG or be a professionally accepted ecological practice. Cost-share will utilize the FLAT RATE OPTION and will follow EQIP rates for 2021: Single species mix - \$35/ac/yr and Multi species mix - \$42/ac/yr. All contracts will have a 3 year durations as required.	
Category	NON-STRUCTURAL MANAGEMENT PRACTICES	
Start Date	24-Mar-21	End Date
Has Rates and Hours?	No	
Actual Results	MARCH - DECEMBER 2021: One contract encumbered. WBIF-WW-21-17-02 Cover Crops 120 ac Estimated project cost: \$15,120.00 Encumbered: \$15,120.00 (flat rate)	

Activity Action - WBIF-WW-21-17-02			
Practice	340 - Cover Crop	Count of Activities	1
Description	3-year cover crop plan to start in 2022-2024. 120 acres planned each year for a field in Carson township, section 36, Cottonwood County. Cover crop mix consists of winter cereal rye and turnips.		
Proposed Size / Units	120.00 AC	Lifespan	1 Year
Actual Size/Units	AC	Installed Date	
Mapped Activities	No	Technical Assistance Provider	SWCD

Grant Activity - 2021 Watonwan 1W1P Planning/Assessment			
Description	<p>Planning and Assessment will focus on completing 5-7 multipurpose drainage management studies with local landowners and private engineers. These studies will be used to help determine future collaborations with local Drainage Authorities on county drainage systems.</p> <p>Whole farm planning will be a focus in the South Fork planning region with a goal to complete 5 plans.</p> <p>Local staff can utilize funds when working with landowners using their calculated hourly rates through time tracking. Invoices will be submitted according to hours worked, billable rates and description of services. (70% Private staff and 30% SWCD/County staff).</p>		
Category	PLANNING AND ASSESSMENT		
Start Date	24-Mar-21	End Date	
Has Rates and Hours?	No		
Actual Results	<p>MARCH - DECEMBER 2021:</p> <p>One MPDM plan encumbered for CD1 located in Watonwan county.</p> <p>WBIF-WW-21 CD1, Watonwan Co. Estimated Cost:\$5,500.00 Encumbered: \$5,500.00</p>		

Grant Activity - 2021 Watonwan 1W1P Project Development

Description	Project Development will be lead by local staff working with residents to find potential best management practices throughout the watershed. An effort will be made to complete comprehensive site visits and emphasize the MN Ag Water Quality Certification Program to assist landowners with EQIP eligibility on needed projects. Local staff can utilize funds when working with landowners using their calculated hourly rates through time tracking. Invoices will be submitted according to hours worked, billable rates and description of services. (100% SWCD/County staff).	
Category	PROJECT DEVELOPMENT	
Start Date	24-Mar-21	End Date
Has Rates and Hours?	No	
Actual Results	MARCH- DECEMBER 2021: No funds expended.	

Grant Activity - 2021 Watonwan 1W1P Shoreland Protection

Description	Shoreland stabilization projects will target high priority lakes including Hanska, Kansas, Fedji, Butterfield, Fish, Bingham and St. James and must be consistent with the UDSA NRCS FOTG or be a professionally accepted engineered or ecological practice. Lake residents will be encouraged to complete the DNR Score Your Shore Assessment. Cost-share: Non-State Funded Partnership Projects - 95% State Funding (Alone) - 85% - Maximum \$10,000/project. Projected Match: Landowner - \$8,825.00 - Estimated 15%.	
Category	STREAMBANK OR SHORELINE PROTECTION	
Start Date	24-Mar-21	End Date
Has Rates and Hours?	No	
Actual Results	MARCH - DECEMBER 2021: No funds expended.	

Grant Activity - 2021 Watonwan 1W1P Technical/Engineering

Description	<p>Technical and engineering expenses include surveying and design of structural agricultural projects and streambank/shoreland stabilization structures from a licensed engineer or staff with NRCS Job Approval Authority for the specific practice. All practices must be consistent with the USDA NRCS FOTG or be a professionally accepted engineered or ecological practice. Staff credentials or Job Approval Authority can be viewed at their respective offices. Area 6 TSA - Ryan Jones, Engineer and Southwest Prairie TSA - Russell Hoogendoorn, Engineer (40%); District Staff with appropriate Job Approval Authority (as assigned by NRCS and available through each SWCD Office) (40%); and Private Engineering Firms(20%). Invoices will be submitted according to hours worked, billable rates and description of services.</p>	
Category	TECHNICAL/ENGINEERING ASSISTANCE	
Start Date	24-Mar-21	End Date
Has Rates and Hours?	No	
Actual Results	<p>MARCH - DECEMBER 2021: No funds expended.</p>	

Grant Activity - 2021 Watonwan 1W1P Urban Practices

Description	<p>Urban practices are targeting water storage and treatment projects including rain gardens, vegetative swales, vegetative management and others. All practices must be consistent with the USDA NRCS FOTG or be a professionally accepted engineered or ecological practice.</p> <p>Cost-share: State Funding (Alone) 85% - Maximum \$5,000/project.</p> <p>Projected Match: Landowner - \$1,765.00 - Required 15%.</p>	
Category	URBAN STORMWATER MANAGEMENT PRACTICES	
Start Date	24-Mar-21	End Date
Has Rates and Hours?	No	
Actual Results	<p>MARCH - DECEMBER 2021: No funds expended.</p>	

Grant Attachments

Document Name	Document Type	Description
2021 Watershed Based Implementation Funding	Grant Agreement	2021 Watershed Implementation Funding - Greater Blue Earth River Basin Alliance
2021 Watershed Based Implementation Funding EXECUTED	Grant Agreement	2021 Watershed Implementation Funding - Greater Blue Earth River Basin Alliance
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/26/2022
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 08/25/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 08/19/2021
Application	Workflow Generated	Workflow Generated - Application - 02/24/2021
Coordinator Billings - April - June - 2021	Grant	Watowan Watershed Implementation Grant - 2021-2023
Coordinator Billings - April - June - 2021	Grant	Watowan Watershed Implementation Grant - 2021-2023
Disbursement Journal 12-31-2021	Grant	Watowan Watershed Implementation Grant - 2021-2023
FY20-21 WBIF Grant Policy	Grant	Watowan Watershed Implementation Grant - 2021-2023
Hour tally sheet 12-31-2021	Grant	Watowan Watershed Implementation Grant - 2021-2023
Key Milestones - 2021-2023	Grant	Watowan Watershed Implementation Grant - 2021-2023
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 03/01/2021
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 03/18/2021