



Grant All-Detail Report Projects and Practices Drinking Water 2021

Grant Title - Watonwan Watershed Drinking Water Protection

Grant ID - C21-8921

Organization - Greater Blue Earth River Basin Alliance

Original Awarded Amount	\$54,900.00	Grant Execution Date	3/25/2021
Required Match Amount	\$13,725.00	Original Grant End Date	12/31/2023
Required Match %	25%	Grant Day To Day Contact	Kay Gross
Current Awarded Amount	\$54,900.00	Current End Date	12/31/2023

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$54,900.00	\$16,216.32	\$38,683.68
Total Match Amount	\$14,779.41	\$1,590.00	\$13,189.41
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$69,679.41	\$17,806.32	\$51,873.09

*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 and Coordination	Administration /Coordination	Current State Grant	Watonwan Watershed Drinking Water Protection	\$9,150.00	\$7,206.32	12/31/2021	N
Cover Crop Cost-Share	Non-Structural Management Practices	Current State Grant	Watonwan Watershed Drinking Water Protection	\$12,000.00			N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Cover Crop Cost-Share	Non-Structural Management Practices	Landowner Fund	Cover crop cash match	\$6,461.54			Y
Outreach/Education	Education/Information	Current State Grant	Watonwan Watershed Drinking Water Protection	\$2,000.00			N
Urban Stormwater Practices	Urban Stormwater Management Practices	Current State Grant	Watonwan Watershed Drinking Water Protection	\$7,550.00			N
Urban Stormwater Practices	Urban Stormwater Management Practices	Landowner Fund	Urban Stormwater practices landowner match	\$1,332.35			Y
Urban Tree Planting Cost-Share	Forestry Practices	Current State Grant	Watonwan Watershed Drinking Water Protection	\$16,700.00	\$9,010.00	6/11/2021	N
Urban Tree Planting Cost-Share	Forestry Practices	Landowner Fund	Urban Tree planting landowner match	\$2,947.06	\$1,590.00	6/11/2021	Y
Well Sealing	Groundwater	Current State Grant	Watonwan Watershed Drinking Water Protection	\$7,500.00			N
Well Sealing	Groundwater	Landowner Fund	Landowner cash match - well sealing	\$4,038.46			Y

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
340 - Cover Crop	150		150 AC	150 AC
351 - Well Decommissioning	1		1 COUNT	COUNT
612 - Tree/Shrub Establishment	1	1	2 AC	2 AC
612 - Tree/Shrub Establishment	1		2000 LINEAR FEET	LINEAR FEET

Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
Urban/Rural Stormwater Management Practices	PHOSPHORUS (EST. REDUCTION)	310 LBS/YR	Watonwan Watershed	BWSR CALC (SHEET AND RILL)	
Urban/Rural Stormwater Management Practices	NITROGEN	1870 LBS/YR	Watonwan Watershed	BWSR CALC (SHEET AND RILL)	
Urban/Rural Stormwater Management Practices	SOIL (EST. SAVINGS)	150 TONS/YR	Watonwan Watershed	BWSR CALC (SHEET AND RILL)	
Urban/Rural Stormwater Management Practices	SEDIMENT (TSS)	150 TONS/YR	Watonwan Watershed	BWSR CALC (SHEET AND RILL)	
Well Sealing	PREVENTION	10 COUNT	Watonwan WS	Other	Well Sealing

Final Indicators Summary

Indicator Name	Total Value	Unit
NITROGEN	0.01	LBS/YR
PHOSPHORUS (EST. REDUCTION)	0.00	LBS/YR
Total Suspended Solids (TSS)	0.76	Mg/L

Grant Activity

Grant Activity - Administration and Coordination	
Description	Administration and Coordination of this project will be provided by the GBERBA Coordinators (Administrative, Technical and Financial). Administrative Coordinator will administer the FY21 CWF Grant with duties to include E-link reporting, website updating, and reporting documents as required by BWSR. Financial reporting will be completed by the Financial Coordinator using QuickBooks. Technical Coordinator will oversee the pollution reduction estimates needed for associated projects grant policy by which projects will be targeted and prioritized for funding. GBERBA staff are contracted employees and will be paid by their calculated billable hourly rates. Grant policies will be created for each project category.
Category	ADMINISTRATION/COORDINATION
Start Date	25-Mar-21
	End Date
Has Rates and Hours?	Yes
Actual Results	<p>APRIL - DECEMBER 2021:</p> <p>Administration of grant workplan and encumbered contracts by GBERBA staff.</p> <p>Employee wages based on billable hourly rate.</p> <p>GBERBA Admin Coordinator: 33 hrs @ \$80.08/hr = \$2,642.64</p> <p>GBERBA Tech Coordinator: 62.50 hrs @ \$65.60/hr = \$4,100.00</p> <p>GBERBA Financial Coordinator: 9 hrs @ \$51.52/hr = \$463.68</p> <p>TOTAL: \$7,206.32</p>

Grant Activity - Cover Crop Cost-Share

Description	<p>Funds will be used to cost-share 123 acres of cover crops located with the project's planned areas (Comfrey, Darfur, La Salle, Madelia, Mankato, Mountain Lake, St. James, Truman, Windom, and Red Rock Rural Water fields located within the Watonwan Watershed) in highly or very highly vulnerable areas of the DWSMAs.</p> <p>Cover crop contracts will be for 3 years with a cost-share rate of 65% not to exceed \$32.50/acre. Installation of the cover crops will follow NRCS Field Office Technical Guidance standard 340. Individual contracts will be run through the respective county's SWCD that the land is located in and approved by their SWCD board, the GBERBA Technical Committee, and finally the GBERBA Policy/Executive Board.</p> <p>Technical approval authority for the cover crop practice will be through the individual office's staff where the contract originates from with appropriate JAA. Staff credentials or JAA can be viewed at their respective offices.</p> <p>GRANT FUNDS BUDGETED: \$12,000.00 MATCH FUNDS BUDGETED: \$6,461.54 TOTAL: \$18,461.54</p>	
Category	NON-STRUCTURAL MANAGEMENT PRACTICES	
Start Date	25-Mar-21	End Date
Has Rates and Hours?	No	
Actual Results	<p>APRIL - DECEMBER 2021:</p> <p>One landowner contract for 150 acres of cover crops (NRCS practice standard 340) encumbered for a 3 year contract (CWF-WWDW-21-07-01) located in Vernon Center Township, Blue Earth County. Cover crops will be paid out 65% of the total cost each year after planting verification is completed.</p> <p>Total estimated cost (3 years): \$18,500.00 Cost-share encumbered (3 years): \$12,000.00</p>	

Activity Action - CWF-WWDW-21-07-01 Duncanson Cover Crops			
Practice	340 - Cover Crop	Count of Activities	150
Description	Landowner will receive an incentive payment for 3 years on 150 acres of cover crops.		
Proposed Size / Units	150.00 AC	Lifespan	3 Years
Actual Size/Units	150.00 AC	Installed Date	
Mapped Activities	No	Technical Assistance Provider	SWCD

Grant Activity - Outreach/Education	
Description	<p>An intense education/information effort will be made throughout the project area. Our focus will be on Drinking Water Awareness and feature the following: - 10 Drinking Water Promotional Signs \$500 - 50 Drinking Water Protection Public Service Announcements (multi-media venues) - \$1,000 -10 Drinking Water public education events - \$500 includes written materials.</p> <p>TOTAL GRANT DOLLARS: \$2,000.00</p>
Category	EDUCATION/INFORMATION
Start Date	25-Mar-21
End Date	
Has Rates and Hours?	No
Actual Results	<p>APRIL - DECEMBER 2021:</p> <p>No activity associated with this activity line.</p>

Grant Activity - Urban Stormwater Practices

Description	<p>Funds will be used to cost-share converting turf sod to native grasses and wildflowers.</p> <p>The eligible project work areas include the highly or very highly vulnerable areas of the following DWSMAs: Comfrey, Darfur, La Salle, Madelia, Mankato, Mountain Lake, St. James, Truman, Windom, and Red Rock Rural Water fields located within the Watonwan Watershed.</p> <p>Urban turf grass native conversion contracts will be for 10 year life expectancy with a cost-share rate of 85% not to exceed \$255/acre. Installation of the native grasses will follow NRCS Field Office Technical Guidance standard for 327 Conservation Cover.</p> <p>As every DWSMA or Wellhead Protection Plan is different based on the needs of the community and other underlying factors such as vulnerability, landscape, hydrology, etc. there are often other urban stormwater practices listed within those plans. We acknowledge that these practices could extend beyond sod conversion to natives or tree plantings activities we have outlined. Such practices could include, but are not limited to: storm water retention basins, sediment basins, grade stabilization structure, etc as allowed under eLink practices for Urban Stormwater Management Practices.</p> <p>Individual contracts will be run through the respective county's SWCD that the land is located in and approved by their SWCD board, the GBERBA Technical Committee, and finally the GBERBA Policy/Executive Board.</p> <p>Technical approval authority for the other urban practice will be through the individual office's staff where the contract originates from with appropriate JAA. Staff credentials or JAA can be viewed at their respective offices.</p> <p>GRANT FUNDS: \$7,550.00 MATCH FUNDS: \$1,332.35 TOTAL: \$8,882.35</p>		
Category	URBAN STORMWATER MANAGEMENT PRACTICES		
Start Date	25-Mar-21	End Date	
Has Rates and Hours?	No		

Actual Results	APRIL - DECEMBER 2021: No activity associated with this activity item.		
Grant Activity - Urban Tree Planting Cost-Share			
Description	<p>Funds will be used to cost-share urban tree plantings to protect groundwater.</p> <p>The eligible project work areas include the highly or very highly vulnerable areas of the following DWSMAs: Comfrey, Darfur, La Salle, Madelia, Mankato, Mountain Lake, St. James, Truman, Windom, and Red Rock Rural Water fields located within the Watonwan Watershed.</p> <p>Urban tree planting projects will be cost-shared at a rate of 85% not to exceed \$85 per tree. Installation of the urban tree plantings will follow NRCS Field Office Technical Guidance standard 612 (Tree and Shrub Establishment) or be a professionally accepted ecological practice. Minimum lifespan according to NRCS will be 15 years.</p> <p>Individual contracts will be run through the respective county's SWCD that the land is located in and approved by their SWCD board, the GBERBA Technical Committee, and finally the GBERBA Policy/Executive Board.</p> <p>Technical approval authority any practice will be through the individual office's staff where the contract originates from with appropriate JAA. Staff credentials or JAA can be viewed at their respective offices.</p> <p>GRANT FUNDS: \$16,700.00 MATCH FUNDS: \$2,947.06 TOTAL: \$19,647.06</p>		
Category	FORESTRY PRACTICES		
Start Date	25-Mar-21	End Date	
Has Rates and Hours?	No		

Actual Results	<p>APRIL - DECEMBER 2021:</p> <p>Urban tree planting project approved in the City of Mountain Lake (CWF-WWDW-21-17-01) for ground water protection. 106 tall shade tree species including maples, elms, honey locust, hackberry, oak, larch, serviceberry were planted at the cemetery.</p> <p>Total project cost: \$10,600.00 Cost share funds expended \$9,010.00 Landowner cash match: \$1,590.00</p>
	<p>One urban tree planting cost-share contract encumbered for the City of Windom (Windom WHPA, CWF-WWDW-21-17-02). Estimated project cost: \$5,900.00 Cost-share encumbered: \$5,000.00</p>

Activity Action - CWF WWDW 21-17-01			
Practice	612 - Tree/Shrub Establishment	Count of Activities	1
Description	106 shade trees planted for ground water protection in high vulnerable area of Mountain Lake well head.		
Proposed Size / Units	2.00 AC	Lifespan	15 Years
Actual Size/Units	2.00 AC	Installed Date	20-May-21
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for CWF WWDW 21-17-01			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	.0014
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	Upper Watonwan River		

Final Indicator for CWF WWDW 21-17-01			
Indicator Name	NITROGEN	Value	.0076
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	Upper Watonwan River		

Final Indicator for CWF WWDW 21-17-01			
Indicator Name	Total Suspended Solids (TSS)	Value	.76
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Other
Waterbody	Upper Watonwan River		

Activity Action - CWF-WWDW-21-17-02			
Practice	612 - Tree/Shrub Establishment	Count of Activities	1
Description	Proposed tree planting located in the highly vulnerable portion of the Windom WHPA.		
Proposed Size / Units	2,000.00 LINEAR FEET	Lifespan	15 Years
Actual Size/Units	LINEAR FEET	Installed Date	
Mapped Activities	No	Technical Assistance Provider	SWCD

Grant Activity - Well Sealing	
Description	<p>Funds will be used to implement well sealings throughout the DWSMA project work area. Well sealing will be anywhere within the DWSMA regardless of wellhead vulnerability. This covers approximately 10 well sealings in the DWSMAs at 65% cost-share NTE \$750 each.</p> <p>Individual contracts will be run through the respective county's SWCD that the land is located in and approved by their SWCD board, the GBERBA Technical Committee, and finally the GBERBA Policy/Executive Board.</p> <p>There is no JAA for sealing wells, well sealing is regulated by the MN Dept of Health through licensed well contractors. Contract holders will be required to obtain the services of a certified well contractor to properly seal the well and provide a copy of the official well sealing form before funds can be released for cost-share.</p> <p>GRANT FUNDS: \$7,500.00 MATCH FUNDS: \$4,038.46 TOTAL: \$11,538.46</p>
Category	GROUNDWATER
Start Date	25-Mar-21
End Date	
Has Rates and Hours?	No
Actual Results	<p>APRIL - DECEMBER 2021:</p> <p>1 well sealing contract encumbered in Blue Earth County (CWF-WWDW-21-07-01). Estimated total cost: \$1,300.00 Cost-Share encumbered: \$750.00</p>

Activity Action - CWF-WWDW-21-07-02			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	Cost-share encumbered for well sealing. Lincoln township, Blue Earth County.		
Proposed Size / Units	1.00 COUNT	Lifespan	In Perpetuity
Actual Size/Units	COUNT	Installed Date	
Mapped Activities	No	Technical Assistance Provider	Private Consultant

Grant Attachments

Document Name	Document Type	Description
2021 Competitive Grant	Grant Agreement	2021 Competitive Grant - Greater Blue Earth River Basin Alliance
2021 Competitive Grant EXECUTED	Grant Agreement	2021 Competitive Grant - Greater Blue Earth River Basin Alliance
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/24/2022
Application	Workflow Generated	Workflow Generated - Application - 08/13/2020
Details to Requested Work Plan Changes	Journal	Journal Dated - 03/02/2021
Disbursement Journal 12-31-2021	Grant	Watonwan Watershed Drinking Water Protection
Hour tally sheet 12-31-2021	Grant	Watonwan Watershed Drinking Water Protection
Update area map	Grant	Watonwan Watershed Drinking Water Protection
Watonwan Watershed Drinking Water Protection Application Image	Grant	Watonwan Watershed Drinking Water Protection
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 03/02/2021
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 12/17/2020
grantmap_28871_2020-08-13_09-15-38-AM.jpg	Grant	Watonwan Watershed Drinking Water Protection