



FY 20 - 21 Biennial Budget Request Clearwater SWCD

Total Requested Biennial State Contribution:	\$502,788.00	BBR ID	BBR18-0818
Total Leveraged Funds	\$109,000.00	Submitted Date	4/12/2018
Total Resource Project and Activities Budget	\$611,788.00	Staff Contact	Lori Buell
Total BMPs	40	Board Conservationist	Chad Severts
Total FTEs	1.09		

SWCD Program Grant Summary

Grant Source	Estimated Amount Available	Estimated Amount Budgeted
RIM Easement Delivery	\$276.00	\$276.00
SWCD State Cost-Share	\$15,012.00	\$15,012.00
SWCD Conservation Delivery	\$37,500.00	\$37,500.00

Water Resources of Concern

Primary Water Resource of Concern	Water Resource Category	Watershed	Impairments	Trend
Impaired Streams of Clearwater Watershed	Surface & Ground Water	Clearwater River	N/A	N/A
Organization Wide - Surface & Ground Water	Surface & Ground Water		N/A	N/A
Prioritized Wild Rice Lakes	Surface Water	Clearwater River	Unknown	N/A
Ground Water	Ground Water	Clearwater River	Unknown	N/A
Organization Wide - Surface Water	Surface Water		Yes	Not Enough Data

Activity Summary

Water Resource Name	Organization Wide - Surface & Ground Water
Activity Description	Erosion Control, Shoreland Stabilization, stream and ditch stabilization, buffer installation, grassed waterways and filter strips.

Activity Category	Agricultural Practices	Capital Improvement Project?	No
Source of State Contribution	SWCD State Cost-Share	Estimated # of FTEs	
Total Requested Biennial State Contribution	\$15,012.00	Estimated Number of Practices	10
Estimated Leveraged Funds	\$12,500.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$27,512.00	Action or Objective (from plan)	<p>Priority Concern4, Objective A, Strategy#2 pg 44: Installation and utilization of Agricultural BMP's through the use of existing and future state and federal Cost Share programs to protect resources from runoff and nutrient loading.</p> <p>Priority Concern 1. Objective B: Educate Clearwater County citizens about water quality enhancement practices and soil stewardship.</p> <p>Strategies:#1 pg 34: Encourage and promote best management practices to property owners who have developed or are in the process of developing in or near riparian areas. Strategy #3 pg 35: Encourage and promote Agricultural Best Management Practices (BMP's) to landowners throughout Clearwater County to help reduce surface water contamination, sedimentation and bank erosion. Priority Concern 1, Objective C: Identification and implementation of projects</p>

			that improve surface water quality. Strategy #2 pg 36 Implementation of Agricultural Best Management Practices, storm water treatment/management and erosion control projects.
Describe how this activity could be accomplished in the biennium	The Clearwater SWCD will use cost share funds to assist landowners to implement BMPs and practices which address erosion and water quality issues with an emphasis placed on priority watersheds and sites.		

Water Resource Name	Ground Water		
Activity Description	Ground water monitoring program. the health of ground water resources has not been closely assessed. New wells are tested but no monitoring has been accomplished.		
Activity Category	Monitoring/Data Collection	Capital Improvement Project?	No
Source of State Contribution	SWCD Local Capacity Funds	Estimated # of FTEs	0.1
Total Requested Biennial State Contribution	\$20,000.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$5,000.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$25,000.00	Action or Objective (from plan)	pg.41 Priority Concern 2 Drinking Water Source Protection, Strategy #10 : Develop a ground water quality monitoring program.
Describe how this activity could be accomplished in the biennium	This project would be accomplished in conjunction with the Minnesota Department of Health who would provide recommendations as to which areas of the county to prioritize monitoring efforts. Monitoring efforts could be done by a combination of staff and volunteers.		

Water Resource Name	Organization Wide - Surface Water		
Activity Description	Monitoring lakes and streams to determine if resource meets recreational suitability criteria.		
Activity Category	Monitoring/Data Collection	Capital Improvement Project?	No
Source of State Contribution	SWCD Local Capacity Funds	Estimated # of FTEs	0.08
Total Requested Biennial State Contribution	\$10,000.00	Estimated Number of Practices	

Estimated Leveraged Funds	\$2,500.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$12,500.00	Action or Objective (from plan)	Objective A Monitoring Water Quality in Clearwater County.
Describe how this activity could be accomplished in the biennium	Clearwater SWCD will continue to implement its surface water quality monitoring program on 5 area lakes. It will also partner with Red Lake Watershed District to collect data on stream reaches lacking suffucuent data, or in need of additional data to see if recreational use criteria has been met after SMP implementation. Volunteers will also be utilized on area lakes to collect additional water quality information		

Water Resource Name	Organization Wide - Surface Water		
Activity Description	Education and Outreach activities will be directed towards residents and land managers whose activities potentially impacts surface water sources in Clearwater County. Education activities will include direct mailings, newsletters, press releases and direct workshop events.		
Activity Category	Education/Information	Capital Improvement Project?	No
Source of State Contribution	SWCD Local Capacity Funds	Estimated # of FTEs	0.08
Total Requested Biennial State Contribution	\$10,000.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$1,500.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$11,500.00	Action or Objective (from plan)	pg.34-Educate Clearwater County citizens about water quality enhancement practices and soil stewardship.
Describe how this activity could be accomplished in the biennium	Education activities would accomplished on a regular basis. Newsletters would be produced quarterly and distributed throughout the county. Press releases would be distributed on an as needed basis. Community Outreach such as workshops targeting current operations of the SWCD or topics related to current events will be hosted periodically throughout the year. Education materials and staff will be made available at all times with a focus on one on one interactions with land owners and land managers. There will also be a focus on community events such as the county fair.		

Water Resource Name	Impared Streams of Clearwater Watershed		
Activity Description	Implementation of targeted BMP's to improve water quality in impaired waters of Clearwater Watershed		
Activity Category	Agricultural Practices	Capital Improvement Project?	No
Source of State Contribution	BWSR Clean Water Fund -	Estimated # of FTEs	

	Projects and Practices		
Total Requested Biennial State Contribution	\$75,000.00	Estimated Number of Practices	10
Estimated Leveraged Funds	\$18,750.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$93,750.00	Action or Objective (from plan)	pg. 36 Objective C: Strategy#2 Implementation of Agricultural BMPs, Storm water treatment/management and erosion control projects.
Describe how this activity could be accomplished in the biennium	Information from the current Clearwater WRAPS process and further targeting done with the PTMapp will provide a concrete list of practices that will address the specific impairment concerns of each water body. This information will be used to contact landowners where practices can most impact water quality. Having prioritized projects with willing landowners will produce a strong CWF application to address the areas of concern.		

Water Resource Name	Organization Wide - Surface & Ground Water		
Activity Description	The purpose of this program is to improve soil health and protect water quality by the effective implementation of soil health practices across the county.		
Activity Category	Agricultural Practices	Capital Improvement Project?	No
Source of State Contribution	SWCD Local Capacity Funds	Estimated # of FTEs	
Total Requested Biennial State Contribution	\$80,000.00	Estimated Number of Practices	10
Estimated Leveraged Funds	\$20,000.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$100,000.00	Action or Objective (from plan)	Priority Concern 4 Objective #3 Manage an equipment rental program designed to improve soil health and reduce runoff pollutants loads through increased infiltration and retention of storm waters. Priority Concern 1. Objective B: Educate Clearwater County citizens about water quality

			<p>enhancement practices and soil stewardship. Strategies:#1 pg 34: Encourage and promote best management practices to property owners who have developed or are in the process of developing in or near riparian areas. Strategy #3 pg 35: Encourage and promote Agricultural Best Management Practices (BMP's) to landowners throughout Clearwater County to help reduce surface water contamination, sedimentation and bank erosion. Priority Concern 1, Objective C: Identification and implementation of projects that improve surface water quality. Strategy #2 pg 36 Implementation of Agricultural Best Management Practices, storm water treatment/management and erosion control projects.</p>
<p>Describe how this activity could be accomplished in the biennium</p>	<p>We will continue to grow our Soil Health Programs to improve soil health and protect water quality by the effective implementation of soil health practices across the county. We will educate producers and encourage proper implementation of soil health practices such as no-till seeding, aeration, and cover crops increases soil health. This program achieves its purpose by providing the technical and financial support necessary to encourage producer acceptance and growth in knowledge of soil health practices.</p>		

<p>Water Resource Name</p>	<p>Impaired Streams of Clearwater Watershed</p>
<p>Activity Description</p>	<p>Storm water Treatment Needs Assessment: Assessment of urban storm water impact on surface water quality. Implementation of Urban Conservation practices.</p>

Activity Category	Urban Stormwater Management Practices	Capital Improvement Project?	No
Source of State Contribution	BWSR Clean Water Fund - Accelerated Implementation	Estimated # of FTEs	
Total Requested Biennial State Contribution	\$80,000.00	Estimated Number of Practices	10
Estimated Leveraged Funds	\$20,000.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$100,000.00	Action or Objective (from plan)	pg. 46: Priority Concern 4: Land use impact on Water Quality, Objective C: Proper Land Management in Developed and Developing Areas, Strategy 1: reduce the pollution impact from city stormwater entering our waterways.
Describe how this activity could be accomplished in the biennium	Evaluation of storm water discharge could be accomplished by utilizing the services of North Central Joint Powers Board engineering staff. The JPB would assess the treatment efficiency of currently installed practice within the cities of Bagley and Clearbrook. The Recommendation of additional BMP implementation would also be a goal output of this process along with educating the public on urban conservation practices .		

Water Resource Name	Impared Streams of Clearwater Watershed		
Activity Description	Targeting of project and practices to improve water quality within impared streams of the Clearwater Watershed: Clearwater River, Lost River, Ruffy Brook, Silver Creek.		
Activity Category	Planning and Assessment	Capital Improvement Project?	No
Source of State Contribution	BWSR Clean Water Fund - Projects and Practices	Estimated # of FTEs	0.18
Total Requested Biennial State Contribution	\$75,000.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$18,750.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$93,750.00	Action or Objective (from plan)	pg.36, objective C: Strategy # 2: implementation of Agricultural BMPs, storm water treatment/

			management and erosion control projects.
Describe how this activity could be accomplished in the biennium	Utilization of tools such as the PTMapp and others within the minor watersheds of these impaired waters would identify and direct the work in these areas. Ther GIS targeting measures could be implemented in these watersheds such as utilizing Stream Power Index.		

Water Resource Name	Organization Wide - Surface & Ground Water		
Activity Description	Inspection performed for RIM easements in the county		
Activity Category	Non-Structural Management Practices	Capital Improvement Project?	No
Source of State Contribution	RIM Easement Delivery	Estimated # of FTEs	0.01
Total Requested Biennial State Contribution	\$276.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$0.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$276.00	Action or Objective (from plan)	Objective C: Identification and implementation of projects that improve surface water quality. pg 37 Strategy #4 Implement projects/practices that preserve and/or restore drained and/or degraded wetlands in Clearwater County.
Describe how this activity could be accomplished in the biennium	Clearwater SWCD staff will conduct inspections and report findings to landowners and to the state agency. In cases of deficiencies the SWCD will work with land owners and the state agency to resolve the problem with appropriate corrective actions.		

Water Resource Name	Organization Wide - Surface & Ground Water		
Activity Description	Conservation delivery funds used to defry costs associated with the district operations including rent, vehicle expenses, board expenses, office maintenance, field supplies and equipment		
Activity Category	Administration/Coordination	Capital Improvement Project?	No
Source of State Contribution	SWCD Conservation Delivery	Estimated # of FTEs	0.3
Total Requested Biennial State Contribution	\$37,500.00	Estimated Number of Practices	

Estimated Leveraged Funds	\$10,000.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$47,500.00	Action or Objective (from plan)	Priority Concern 1: Surface Water Quality Protection and Enhancement-pg 35 objective B, strategy #3: Encourage and promote Agricultural Best Management Practices to landowners throughout Clearwater County to help reduce surface water contamination, sedimentation and bank erosion; pg 36 Objective C: Identification and implementation of projects that improve surface water quality. Priority Concern 2: Drinking Water Source Protection. pg 39 Objective A: Protect drinking water sources throughout Clearwater County Priority Concern 4: Land use impacts on Water Quality, pg 44 Objective A Proper Land Management on Agricultural Lands."
Describe how this activity could be accomplished in the biennium	The Clearwater SWCD will work with local, state and federal partners and agencies to provide educational opportunities and financial assistance, conservation incentives and technical assistance to landowners in Clearwater County to implement Best Management Practices to protect and restore water and soil resources.		

Water Resource Name	Prioritized Wild Rice Lakes		
Activity Description	Wild rice resources have been prioritized locally with the aid of DNR staff. These resources will be eligible for protection efforts through the RIM Wild Rice Program		
Activity Category	Non-Structural Management	Capital Improvement Project?	No

	Practices		
Source of State Contribution	RIM - (All Sources)	Estimated # of FTEs	0.34
Total Requested Biennial State Contribution	\$100,000.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$0.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$100,000.00	Action or Objective (from plan)	pg 36, Objective C; Identification and Implementation of projects that improve surface water quality. Strategy #3-#3: Identify critical wetlands and water resources that are key to maintaining and improving water quality. P44, Objective B: Proper Management of Forest resources, strategy #3: Encourage landowners to look at forest BMP's for forestry management programs; Strategy #4 Promote state and federal cost share programs to assist landowners in implementing forest management BMPs that protect water quality
Describe how this activity could be accomplished in the biennium	This activity could be accomplished through a joint agreement with other eligible counties to hire RIM Wild Rice easement specialists to handle and promote the program.		