



## FY 20 - 21 Biennial Budget Request Brown SWCD

Total Requested Biennial State Contribution:	<b>\$881,984.00</b>	BBR ID	<b>BBR18-2541</b>
Total Leveraged Funds	\$304,950.00	Submitted Date	
Total Resource Project and Activities Budget	\$1,186,934.00	Staff Contact	Melanie Krueger
Total BMPs	89	Board Conservationist	Jeremy Maul
Total FTEs	4.15		

### SWCD Program Grant Summary

Grant Source	Estimated Amount Available	Estimated Amount Budgeted
SWCD State Cost-Share	<b>\$29,514.00</b>	<b>\$120,000.00</b>
RIM Easement Delivery	<b>\$16,986.00</b>	<b>\$18,900.00</b>
SWCD Conservation Delivery	<b>\$37,894.00</b>	<b>\$37,894.00</b>

### Water Resources of Concern

Primary Water Resource of Concern	Water Resource Category	Watershed	Impairments	Trend
<b>Middle MN Watershed - Little Cottonwood</b>	Surface & Ground Water	Minnesota River - Mankato	Yes	Stable
<b>Middle MN Watershed - Spring Creek</b>	Surface & Ground Water	Minnesota River - Mankato	Yes	Stable
<b>Watonwan Watershed - Lake Hanska</b>	Surface & Ground Water	Watonwan River	Yes	Not Enough Data
<b>Organization Wide - Surface &amp; Ground Water</b>	Surface & Ground Water		N/A	N/A

### Activity Summary

Water Resource Name	<b>Organization Wide - Surface &amp; Ground Water</b>
Activity Description	<b>DNR Well Reading</b>

Activity Category	Monitoring/Data Collection	Capital Improvement Project?	No
Source of State Contribution	MN Dept. of Natural Resources	Estimated # of FTEs	0.1
Total Requested Biennial State Contribution	\$1,440.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$1,000.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$2,440.00	Action or Objective (from plan)	<b>BROWN COUNTY COMP&gt; WATER PLAN pg. 29 - Goal 2 Obj D2 "Partner with the MN DNR and their groundwater monitoring program"</b>
Describe how this activity could be accomplished in the biennium	Staff will read surface observation wells throughout the county as contracted with DNR.		

Water Resource Name	<b>Organization Wide - Surface &amp; Ground Water</b>		
Activity Description	<b>Local Capacity Maintenance of staff and equipment</b>		
Activity Category	Technical/Engineering Assistance	Capital Improvement Project?	No
Source of State Contribution	SWCD Local Capacity Funds	Estimated # of FTEs	1.8
Total Requested Biennial State Contribution	\$226,000.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$26,000.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$252,000.00	Action or Objective (from plan)	<b>BROWN COUNTY COMP. WATER PLAN pg. 21 - Goal 1 obj. B1 "Cooperate with NRCS and SWCD to market available conservation . . . "; pg.22 Goal 2, obj. A2 "identify and map areas to be targeted for implementation projects"; Goal 2 obj. A "Identify areas that show potential for high erosion"; pgs 22-23 - obj B "Cooperate with SWCD to promote and market</b>

			conservation programs and practices" ; pg. 30 - Goal 1 obj. B "Determine and map problems"
Describe how this activity could be accomplished in the biennium	Funds would be used to continue the capacity of three technician staff members at the district partially funded with this grant and to maintain the equipment and technical software purchased with capacity funds.		

Water Resource Name	<b>Organization Wide - Surface &amp; Ground Water</b>		
Activity Description	<b>Funds will be used to cost share with landowners for the installation of erosion control conservation projects that are designed to protect and improve soil and water resources such as Grassed Waterways, Cover Crops, Alternative Intakes, Water Storage, WASCObS, Terraces, Tillage Management, Critical Area Plantings, etc. per the state cost share program guidance.</b>		
Activity Category	Agricultural Practices	Capital Improvement Project?	<b>No</b>
Source of State Contribution	SWCD State Cost-Share	Estimated # of FTEs	
Total Requested Biennial State Contribution	\$120,000.00	Estimated Number of Practices	<b>50</b>
Estimated Leveraged Funds	\$30,000.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$150,000.00	Action or Objective (from plan)	<b>BROWN COUNTY COMP. WATER PLAN pg. 22 - Goal 1 obj. B6 "cooperate with the SWCD to install fifty alternative tile intakes annually"; Goal 2, obj. A3 "Install 10,000 feet of terrace and two grade stabilization structures annually"; pg. 23 - Goal 3, obj. A, "Identify problems areas within the County"; pg. 30 PRIORITY CONCERN: Drainage, Goal 4, Obj. C, "Reduce water inputs and provide water storage to the system"</b>
Describe how this activity could be accomplished in the biennium	Staff will work with landowners, SCTSA engineers, and NRCS to implement practices based on priority areas established in the local water plan.		

Water Resource Name	<b>Organization Wide - Surface &amp; Ground Water</b>		
Activity Description	<b>Complete Sign-ups and advise landowners on federal and state easement and conservation reserve programs as well as advise landowners on management techniques for better wildlife habitat.</b>		
Activity Category	Technical/Engineering Assistance	Capital Improvement Project?	<b>No</b>
Source of State Contribution	Farm Bill Assistance	Estimated # of FTEs	<b>1</b>
Total Requested Biennial State Contribution	\$58,500.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$6,500.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$65,000.00	Action or Objective (from plan)	<b>BROWN COUNTY COMP. WATER PLAN pg. 21 - Goal 1 obj. B1 "Cooperate with NRCS and SWCD to market available conservation . . . "; pg.22 Goal 2, obj. A2 "identify and map areas to be targeted for implementation projects"; pgs 22-23 - obj B "Cooperate with SWCD to promote and market conservation programs and practices"; pg. 23 - Goal 3, obj. A, "Identify problems areas within the County"; pg. 23 Obj B2, "Pursue funding for implementation of buffer strips . . . buffer from public waters</b>
Describe how this activity could be accomplished in the biennium	The SWCD will continue to utilize the Farm Bill program funds to retain the PF Farm Bill Biologist position in Brown County.		

Water Resource Name	<b>Organization Wide - Surface &amp; Ground Water</b>		
Activity Description	<b>Staff will perform required inspections of RIM easement annually and work with landowners to manage and improve existing conservation plans for those easements.</b>		
Activity Category	Easements	Capital Improvement Project?	<b>No</b>
Source of State Contribution	RIM Easement Delivery	Estimated # of FTEs	<b>0.2</b>

Total Requested Biennial State Contribution	\$18,900.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$5,700.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$24,600.00	Action or Objective (from plan)	<b>BROWN COUNTY COMP. WATER PLAN pgs. 23-24 - Goal 3, obj. B "Provide education and options to control stream and ditch bank erosion", (1, 3, 7, 8, 10, 11) CRP and RIM promotion</b>
Describe how this activity could be accomplished in the biennium	Staff will conduct inspections annually as per BWSR guidelines and work with landowners who request changes to their easements.		

Water Resource Name	<b>Organization Wide - Surface &amp; Ground Water</b>		
Activity Description	<b>Staff will promote the MN CREP program and work with landowners to enroll them with the CREP Outreach and Implementation Grant Funds.</b>		
Activity Category	Easements	Capital Improvement Project?	<b>No</b>
Source of State Contribution	RIM Easement Implementation	Estimated # of FTEs	<b>0.25</b>
Total Requested Biennial State Contribution	\$29,250.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$3,250.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$32,500.00	Action or Objective (from plan)	<b>BROWN COUNTY COMP. WATER PLAN pg. 21 - Goal 1 obj. B1 "Cooperate with NRCS and SWCD to market available conservation . . . "; pg.22 Goal 2, obj. A2 "identify and map areas to be targeted for implementation projects"; Goal 2 obj. A "Identify areas that show potential for high erosion"; pgs 22-23 - obj B "Cooperate with SWCD to promote and market</b>

			conservation programs and practices" ; pg. 30 - Goal 1 obj. B "Determine and map problems"
Describe how this activity could be accomplished in the biennium	Funds will be used for staff to work with landowners to enroll them in the MN CREP program through targeted outreach activities		

Water Resource Name	<b>Organization Wide - Surface &amp; Ground Water</b>		
Activity Description	<b>Conservation Delivery funds will cover a portion of the administration time of SWCD staff to manage and oversee the operations of the district. Leverage funds will be needed to supplement the balance of administration time not funded through this operational grant.</b>		
Activity Category	Administration/Coordination	Capital Improvement Project?	No
Source of State Contribution	SWCD Conservation Delivery	Estimated # of FTEs	0.2
Total Requested Biennial State Contribution	\$37,894.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$150,000.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$187,894.00	Action or Objective (from plan)	<b>BROWN COUNTY COMP. WATER PLAN pg. 21 - Goal 1 obj. B1 "Cooperate with NRCS and SWCD to market available conservation . . . "; pg.22 Goal 2, obj. A2 "identify and map areas to be targeted for implementation projects"; pgs 22-23 - obj B "Cooperate with SWCD to promote and market conservation programs and practices"</b>
Describe how this activity could be accomplished in the biennium	Brown SWCD will work in partnership with local, state, and federal partners to accomplish conservation goals in the county water plan and district's annual plan or work.		

Water Resource Name	<b>Organization Wide - Surface &amp; Ground Water</b>		
Activity Description	<b>Using GIS mapping and analysis to determine best placement of ravine stability projects and inventory older structures that may be in need of replacement to provide stability to soil movement in the Brown SWCD</b>		
Activity Category	Inventory/Mapping	Capital Improvement Project?	No

Source of State Contribution	BWSR Clean Water Fund - Accelerated Implementation	Estimated # of FTEs	<b>0.2</b>
Total Requested Biennial State Contribution	\$30,000.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$7,500.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$37,500.00	Action or Objective (from plan)	<b>BROWN COUNTY COMP. WATER PLAN pg 22. - Goal 2 obj. A "Identify areas that show potential for high erosion"; pg. 30 - Goal 1 obj. B "Determine and map problems"</b>
Describe how this activity could be accomplished in the biennium	Support a technician with expertise to analyze a multitude of data using GIS tools and provide an inventory of county ravines and high grade erosion issues to be addressed		

Water Resource Name	<b>Organization Wide - Surface &amp; Ground Water</b>		
Activity Description	<b>Buffer Law Implementation and Maintenance. Staff will work with landowners to meet compliance with the MN Buffer Law 103F.48</b>		
Activity Category	Technical/Engineering Assistance	Capital Improvement Project?	<b>No</b>
Source of State Contribution	Buffer Implementation Funds	Estimated # of FTEs	<b>0.4</b>
Total Requested Biennial State Contribution	\$60,000.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$0.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$60,000.00	Action or Objective (from plan)	<b>BROWN COUNTY COMP. WATER PLAN pg. 23 - Goal 3, obj. A, "Identify problems areas within the County"; pg. 23 Obj B2, "Pursue funding for implementation of buffer strips . . . buffer from public waters;</b>
Describe how this activity could be accomplished in the biennium	Technicians at the district will carry out systematic inspections and keep a roster of landowners with exemptions (CRP plan or alternative practice methods) and ensure that they are meeting the minimum standard for compliance in the buffer law		

Water Resource Name	Middle MN Watershed - Little Cottonwood		
Activity Description	With the Completion of the Watershed Restoration and Protection Strategy (WRAPS) in the Middle Minnesota River Watershed - implementation of conservation practices will be a focus in this part of the county.		
Activity Category	Agricultural Practices	Capital Improvement Project?	No
Source of State Contribution	BWSR Clean Water Fund - Projects and Practices	Estimated # of FTEs	
Total Requested Biennial State Contribution	\$150,000.00	Estimated Number of Practices	12
Estimated Leveraged Funds	\$37,500.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$187,500.00	Action or Objective (from plan)	<b>BROWN COUNTY COMP. WATER PLAN pg. 21 - Goal 1 obj. B1 "Cooperate with NRCS and SWCD to market available conservation . . . "; pg. 22 Goal 1 obj. C1-4 "working to develop and implement TMDL plans for impaired waters"; pg.22 Goal 2, obj. A2 "identify and map areas to be targeted for implementation projects"; pgs 22-23 - obj B "Cooperate with SWCD to promote and market conservation programs and practices"; pgs. 23-24 - Goal 3, obj. B "Provide education and options to control stream and ditch bank erosion", (1, 3, 7, 8, 10, 11) CRP and RIM promotion; pg. 22 - Goal 2, obj. A3 "Install 10,000 feet of terrace and two grade stabilization structures annually"; pg. 23 - Goal 3, obj. A, "Identify problems areas</b>



			within the County"; pg. 23 Obj B2, "Pursue funding for implementation of buffer strips . . . buffer from public waters; pg. 30 PRIORITY CONCERN: Drainage, Goal 4, Obj. C, "Reduce water inputs and provide water storage to the system"
Describe how this activity could be accomplished in the biennium	Staff at the SWCD will work with the South Central TSA and landowners for project development and engineering in this watershed. SWCD staff will be used for project management and landowner contacts to accomplish projects.		

Water Resource Name	<b>Middle MN Watershed - Spring Creek</b>		
Activity Description	<b>With the Completion of the Watershed Restoration and Protection Strategy (WRAPS) in the Middle Minnesota River Watershed - implementation of conservation practices will be a focus in the county. Provide cost-share of up to 75% for upland water retention projects to help mitigate the bank erosion in the trout stream portion of Spring Creek and other practices within the spring creek watershed.</b>		
Activity Category	Agricultural Practices	Capital Improvement Project?	No
Source of State Contribution	BWSR Clean Water Fund - Projects and Practices	Estimated # of FTEs	
Total Requested Biennial State Contribution	\$50,000.00	Estimated Number of Practices	12
Estimated Leveraged Funds	\$12,500.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$62,500.00	Action or Objective (from plan)	<b>BROWN COUNTY COMP. WATER PLAN pg. 21 - Goal 1 obj. B1 "Cooperate with NRCS and SWCD to market available conservation . . . "; pg. 22 Goal 1 obj. C1-4 "working to develop and implement TMDL plans for impaired waters"; pg.22 Goal 2, obj. A2 "identify and map areas to be targeted for implementation projects"; pgs 22-23 - obj B "Cooperate</b>

			<p>with SWCD to promote and market conservation programs and practices"; pgs. 23-24 - Goal 3, obj. B "Provide education and options to control stream and ditch bank erosion", (1, 3, 7, 8, 10, 11) CRP and RIM promotion; pg. 22 - Goal 2, obj. A3 "Install 10,000 feet of terrace and two grade stabilization structures annually"; pg. 23 - Goal 3, obj. A, "Identify problems areas within the County"; pg. 23 Obj B2, "Pursue funding for implementation of buffer strips . . . buffer from public waters; pg. 30 PRIORITY CONCERN: Drainage, Goal 4, Obj. C, "Reduce water inputs and provide water storage to the system"</p>
<p>Describe how this activity could be accomplished in the biennium</p>	<p>The trout stream portion of Spring Creek in Brown county was restored to create structures and bio-structures for streambank stabilization and habitat. The cost-share program through Brown SWCD and technical expertise of partners and South-Central Technical Services Area would be used for design, construction oversight, and checkout of about 12 water and sediment control basins within the watershed of Spring Creek to ensure restoration is maintained.</p>		

<p>Water Resource Name</p>	<p><b>Watowan Watershed - Lake Hanska</b></p>		
<p>Activity Description</p>	<p><b>With the Completion of the Watershed restoration and Protection Strategy (WRAPS) in the Watowan River Watershed - implementation of conservation practices will be a focus in the county. Lake Hanska nutrient and sediment protection project providing cost-share through multiple sources for best management practices not to exceed 75% of total cost to help the health and habitat of Lake Hanska through water quality improvement.</b></p>		
<p>Activity Category</p>	<p>Conservation Drainage</p>	<p>Capital Improvement Project?</p>	<p><b>No</b></p>
<p>Source of State Contribution</p>	<p>BWSR Clean Water Fund - Multi Purpose Drainage</p>	<p>Estimated # of FTEs</p>	

	Management		
Total Requested Biennial State Contribution	\$100,000.00	Estimated Number of Practices	15
Estimated Leveraged Funds	\$25,000.00	Plan Type	County Comprehensive Local Water Management Plan (non-metro counties only)
Projects & Activities Budget	\$125,000.00	Action or Objective (from plan)	<b>BROWN COUNTY COMP. WATER PLAN pg. 21 - Goal 1 obj. B1 "Cooperate with NRCS and SWCD to market available conservation . . . "; pg. 22 Goal 1 obj. C1-4 "working to develop and implement TMDL plans for impaired waters"; pg.22 Goal 2, obj. A2 "identify and map areas to be targeted for implementation projects"; pgs 22-23 - obj B "Cooperate with SWCD to promote and market conservation programs and practices"; pgs. 23-24 - Goal 3, obj. B "Provide education and options to control stream and ditch bank erosion", (1, 3, 7, 8, 10, 11) CRP and RIM promotion; pg. 22 - Goal 2, obj. A3 "Install 10,000 feet of terrace and two grade stabilization structures annually"; pg. 23 - Goal 3, obj. A, "Identify problems areas within the County"; pg. 23 Obj B2, "Pursue funding for implementation of buffer strips . . . buffer from public waters; pg. 30 PRIORITY CONCERN: Drainage, Goal 4, Obj. C, "Reduce water inputs and provide water storage to the system"</b>

**Describe how this activity could be accomplished in the biennium**

Lake Hanska had been rehabilitated for sport fish over a decade ago and is one of the largest sport fish lakes in south central Minnesota. There is interest in shoreline rehabilitation projects, upland water storage, and drainage management projects in the Lake Hanska watershed area as well as ACPF data available. The cost-share program would run through Brown SWCD and technical authority provided by the South Central TSA for design, construction, and project certification.