

## FY 18 - 19 Biennial Budget Request Big Stone SWCD

Total Requested Biennial State Contribution:	<b>\$690,854.00</b>	BBR ID	<b>BBR16-2951</b>
Total Leveraged Funds	\$214,720.00	Submitted Date	4/25/2016
Total Resource Project and Activities Budget	\$905,574.00	Staff Contact	Tammy Neubauer
Total BMPs	24	Board Conservationist	Jason Beckler
Total FTEs	2.2		

### SWCD Program Grant Summary

Grant Source	Estimated Amount Available	Estimated Amount Budgeted
RIM Easement Delivery	<b>\$3,680.00</b>	<b>\$3,680.00</b>
SWCD State Cost-Share	<b>\$13,100.00</b>	<b>\$13,100.00</b>
SWCD Conservation Delivery	<b>\$36,074.00</b>	<b>\$36,074.00</b>

### Water Resources of Concern

Primary Water Resource of Concern	Water Resource Category	Watershed	Impairments	Trend
<b>Big Stone Lake</b>	Surface & Ground Water	Minnesota River - Headwaters	Yes	Not Enough Data
<b>Organization Wide - Surface &amp; Ground Water</b>	Surface & Ground Water		N/A	N/A
<b>Minnesota River Headwaters</b>	Surface & Ground Water	Minnesota River - Headwaters	Unknown	Not Enough Data

### Activity Summary

Water Resource Name	<b>Big Stone Lake</b>		
Activity Description	<b>To repair eroding shorelines along Big Stone Lake.</b>		
Activity Category	Streambank or Shoreline Protection	Capital Improvement Project?	<b>Yes</b>

Source of State Contribution	BWSR Clean Water Fund - Projects and Practices	Estimated # of FTEs	
Total Requested Biennial State Contribution	\$80,000.00	Estimated Number of Practices	<b>2</b>
Estimated Leveraged Funds	\$20,000.00	Plan Type	SWCD Comprehensive Plan (SWCDs only; if SWCD has adopted County Comprehensive Local Water Mgmt. Plan, select that option)
Projects & Activities Budget	\$100,000.00	Action or Objective (from plan)	<b>Page 3-20, goal 3, objective J, item 3.J.2-Watershed project shoreline lake restoration to provide cost-share and technical assistance to lakeshore owners of Big Stone Lake.</b>
Describe how this activity could be accomplished in the biennium	These BMPs will reslope the shoreline per Clean Water Fund guidelines and regulations, including the planting of native vegetation, and rock rip/rap at the base of the reslope to prevent future erosion		

Water Resource Name	<b>Organization Wide - Surface &amp; Ground Water</b>		
Activity Description	<b>This activity provides for Buffer Law Initiative Implementation.</b>		
Activity Category	Planning and Assessment	Capital Improvement Project?	<b>No</b>
Source of State Contribution	Buffer Implementation Funds	Estimated # of FTEs	<b>0.15</b>
Total Requested Biennial State Contribution	\$50,000.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$1,000.00	Plan Type	SWCD Comprehensive Plan (SWCDs only; if SWCD has adopted County Comprehensive Local Water Mgmt. Plan, select that option)
Projects & Activities Budget	\$51,000.00	Action or Objective (from plan)	<b>Page 3-14, goal 3, objective G, item 3.G.1.g,h-ensure long term production by properly maintaining the public drainage system by installing buffers to control erosion and sedimentation and to maintain efficiency and to</b>

			conduct a buffer inventory to ensure the systems are adequately protected from overland flow and that nutrient and sediment filtration exists.
Describe how this activity could be accomplished in the biennium	The district will provide guidance to support the implementation of MS 103F.48 relating to perennial vegetation requirements on all public water and public drainage systems.		

Water Resource Name	<b>Minnesota River Headwaters</b>		
Activity Description	<b>Big Stone SWCD will solicit landowners with qualifying abandoned wells to be sealed. Grant assistance priority will be based on MDH code 4725 standards-overall size, number of aquifers, specific location, and contaminant level.</b>		
Activity Category	Groundwater	Capital Improvement Project?	Yes
Source of State Contribution	MN Dept. of Health	Estimated # of FTEs	
Total Requested Biennial State Contribution	\$4,000.00	Estimated Number of Practices	<b>10</b>
Estimated Leveraged Funds	\$4,000.00	Plan Type	SWCD Comprehensive Plan (SWCDs only; if SWCD has adopted County Comprehensive Local Water Mgmt. Plan, select that option)
Projects & Activities Budget	\$8,000.00	Action or Objective (from plan)	<b>page 3-22, chapter 3, goal 4, objective K, action item 4.K.4.d.-provide educational, technical and financial assistance to landowners for the implementation of groundwater protection BMPs. Cost share will be made available to seal abandoned wells, targeting the wellhead protection area.</b>
Describe how this activity could be accomplished in the biennium	Big Stone County landowners will be solicited for qualifying abandoned wells to be sealed. Wells will be prioritized for cost share assistance according to MDH code 4725 standards. Qualifying landowners will submit applications for cost share assistance, the applications will be prioritized, and chosen applicants will be offered a contract. When abandoned contracted wells are sealed, the landowner will submit the sealing bill and will be reimbursed by the District for 50% maximum cost share assistance.		

Water Resource Name	<b>Organization Wide - Surface &amp; Ground Water</b>		
Activity Description	<b>This activity is to promote the Minnesota Ag Water Quality Certification Program</b>		
Activity Category	Education/Information	Capital Improvement Project?	<b>No</b>
Source of State Contribution	MDA Ag Water Quality Certification Funds	Estimated # of FTEs	<b>0.05</b>
Total Requested Biennial State Contribution	\$12,000.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$0.00	Plan Type	SWCD Comprehensive Plan (SWCDs only; if SWCD has adopted County Comprehensive Local Water Mgmt. Plan, select that option)
Projects & Activities Budget	\$12,000.00	Action or Objective (from plan)	<b>Page 3-26, goal 5, objective M - Engage the citizens on key water planning issues and implementation opportunities.</b>
Describe how this activity could be accomplished in the biennium	The district will promote the MAWQCP through general producer contacts, newsletters, local newspaper articles and radio announcements. Local informational meetings will be held for landowners.		

Water Resource Name	<b>Organization Wide - Surface &amp; Ground Water</b>		
Activity Description	<b>This activity will provide funds at a maximum cost share rate of 75% to landowners who enroll in highly valued and targeted BMPs such as water and sediment basins, Ag waste facility closures, grass waterways, and terraces that filter sediment, reduce soil erosion and protect surface water quality through the local capacity funds.</b>		
Activity Category	Agricultural Practices	Capital Improvement Project?	<b>Yes</b>
Source of State Contribution	SWCD Local Capacity Funds	Estimated # of FTEs	
Total Requested Biennial State Contribution	\$94,000.00	Estimated Number of Practices	<b>5</b>
Estimated Leveraged Funds	\$23,500.00	Plan Type	SWCD Comprehensive Plan (SWCDs only; if SWCD has adopted County Comprehensive Local Water Mgmt. Plan, select that option)
Projects & Activities Budget	\$117,500.00	Action or Objective (from plan)	<b>page 3-12, goal 2, objective F, 2.F.1.-provide educational, technical, and financial</b>

			<b>assistance to landowners for the implementation of erosion and sediment control BMPs.</b>
<b>Describe how this activity could be accomplished in the biennium</b>	Available funds from the local capacity grant will be awarded to qualifying BMPs at a maximum rate of 75% cost share assistance of the total costs. Projects will be consistent with the practices and rates for the BWSR State Cost Share program policy.		

<b>Water Resource Name</b>	<b>Organization Wide - Surface &amp; Ground Water</b>		
<b>Activity Description</b>	<b>The State Cost Share Program will provide financial assistance to land occupiers and technical staff time needed to install conservation practices as outlined in M.S. 103C.501.</b>		
<b>Activity Category</b>	Agricultural Practices	Capital Improvement Project?	<b>Yes</b>
<b>Source of State Contribution</b>	SWCD State Cost-Share	Estimated # of FTEs	
<b>Total Requested Biennial State Contribution</b>	\$10,480.00	Estimated Number of Practices	<b>3</b>
<b>Estimated Leveraged Funds</b>	\$2,620.00	Plan Type	SWCD Comprehensive Plan (SWCDs only; if SWCD has adopted County Comprehensive Local Water Mgmt. Plan, select that option)
<b>Projects &amp; Activities Budget</b>	\$13,100.00	Action or Objective (from plan)	<b>page 3-12, chapter 3, goal 2, objective F, action item 2.F.3.- provide education, technical, and financial assistance to landowners for the implementation of erosion and sediment control BMPs.</b>
<b>Describe how this activity could be accomplished in the biennium</b>	Projects designed will be prioritized for maximum soil and water quality benefit. Initial consultation and preliminary designs will be used to develop a cost share estimate and contract approved by the Big Stone SWCD board. Typical time frame from first visit to final inspection is 10 years practice life.		

<b>Water Resource Name</b>	<b>Minnesota River Headwaters</b>		
<b>Activity Description</b>	<b>Water and Sediment Control Basins</b>		
<b>Activity Category</b>	Agricultural Practices	Capital Improvement Project?	<b>Yes</b>
<b>Source of State Contribution</b>	BWSR Clean Water Fund - Projects and Practices	Estimated # of FTEs	
<b>Total Requested Biennial State Contribution</b>	\$160,000.00	Estimated Number of Practices	<b>4</b>

Estimated Leveraged Funds	\$40,000.00	Plan Type	SWCD Comprehensive Plan (SWCDs only; if SWCD has adopted County Comprehensive Local Water Mgmt. Plan, select that option)
Projects & Activities Budget	\$200,000.00	Action or Objective (from plan)	<b>Page 3-13, goal 2, objective F, item 2.F.5-SWCD Clean Water Funding Projects - to provide educational, technical and financial assistance to landowners for the implementation of erosion and sediment control BMPs.</b>
Describe how this activity could be accomplished in the biennium	The district will install targeted BMPs that reduce soil erosion and help to improve surface water quality at the sub-watershed level.		

Water Resource Name	<b>Organization Wide - Surface &amp; Ground Water</b>		
Activity Description	<b>This activity will contribute toward the purchase of equipment and supplies needed in order to increase the District's ability to provide quality services to the landowners of Big Stone County through the local capacity funds.</b>		
Activity Category	Supplies/Equipment	Capital Improvement Project?	<b>No</b>
Source of State Contribution	SWCD Local Capacity Funds	Estimated # of FTEs	<b>0.1</b>
Total Requested Biennial State Contribution	\$63,900.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$0.00	Plan Type	SWCD Comprehensive Plan (SWCDs only; if SWCD has adopted County Comprehensive Local Water Mgmt. Plan, select that option)
Projects & Activities Budget	\$63,900.00	Action or Objective (from plan)	<b>page 4-1, Chapter B. - Water Plan Administration/Implementation Plan and Priorities</b>
Describe how this activity could be accomplished in the biennium	The Big Stone SWCD will purchase equipment and supplies to increase the ability to provide quality services to the landowners of the county.		

Water Resource Name	<b>Organization Wide - Surface &amp; Ground Water</b>
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<b>Activity Description</b>	<b>The Big Stone SWCD will continue to apply for funding through the Cooperative Weed Management Area grant. This grant would continue the successful work of identifying, documenting, and eliminating invasive weeds.</b>		
<b>Activity Category</b>	Supplies/Equipment	Capital Improvement Project?	<b>No</b>
<b>Source of State Contribution</b>	SWCD Cooperative Weed Management Funds	Estimated # of FTEs	<b>0.15</b>
<b>Total Requested Biennial State Contribution</b>	\$12,000.00	Estimated Number of Practices	
<b>Estimated Leveraged Funds</b>	\$47,500.00	Plan Type	SWCD Comprehensive Plan (SWCDs only; if SWCD has adopted County Comprehensive Local Water Mgmt. Plan, select that option)
<b>Projects &amp; Activities Budget</b>	\$59,500.00	Action or Objective (from plan)	<b>page3-13, chapter 3, goal 2, objective F, action item 2.F.3.g.-provide educational, technical, and financial assistance to landowners for the implementation of erosion and sediment control BMPs, and continue to work with involved agencies on sustaining and expanding the Big Stone/Traverse CWMA grant program.</b>
<b>Describe how this activity could be accomplished in the biennium</b>	This activity will provide the funds for the District to hire an intern, update equipment, purchase chemical, and provide educational workshops for landowners.		

<b>Water Resource Name</b>	<b>Organization Wide - Surface &amp; Ground Water</b>		
<b>Activity Description</b>	<b>The Big Stone SWCD will apply for MN Farmbill Assistance grant dollars to continue the highest quality and proactive conservation work that the position has accomplished for the district. The position has increased land owner participation in the conservation provisions of the Federal Farm Bill which increases the amount of native grasses and wetlands on the landscape to enhance water quality, reduce soil erosion, and increase fish and wildlife habitat.</b>		
<b>Activity Category</b>	Technical/Engineering Assistance	Capital Improvement Project?	<b>No</b>
<b>Source of State Contribution</b>	Farm Bill Assistance	Estimated # of FTEs	<b>1</b>
<b>Total Requested Biennial State Contribution</b>	\$117,000.00	Estimated Number of Practices	

Estimated Leveraged Funds	\$13,000.00	Plan Type	SWCD Comprehensive Plan (SWCDs only; if SWCD has adopted County Comprehensive Local Water Mgmt. Plan, select that option)
Projects & Activities Budget	\$130,000.00	Action or Objective (from plan)	<b>Page 3-12, chapter 3, Goal 2, objective F: to reduce soil erosion and sedimentation by working with landowners to identify priority sites to implement erosion and sediment control Best Management Practices.</b>
Describe how this activity could be accomplished in the biennium	The Farm Bill Assistance grant allows the district to hire a fulltime technician dedicated to the creation and improvement of conservation habitat for wildlife and water quality through programs such as CRP, EQIP, WLI, Native Prairie Bank, RIM easements. The Farm Bill technician addresses water quality concerns, erosion reduction and habitat loss in Big Stone County.		

Water Resource Name	<b>Organization Wide - Surface &amp; Ground Water</b>		
Activity Description	<b>This activity provides for the increased wages for full time technical staff with regard to the increased workload, training and reporting.</b>		
Activity Category	Technical/Engineering Assistance	Capital Improvement Project?	<b>No</b>
Source of State Contribution	SWCD Local Capacity Funds	Estimated # of FTEs	<b>0.1</b>
Total Requested Biennial State Contribution	\$33,140.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$0.00	Plan Type	SWCD Comprehensive Plan (SWCDs only; if SWCD has adopted County Comprehensive Local Water Mgmt. Plan, select that option)
Projects & Activities Budget	\$33,140.00	Action or Objective (from plan)	<b>page 3-12, chapter 3, goal 2, objective F, 2.F.1.-provide educational, technical and financial assistance, as available, to landowners for the implementation of BMPs.</b>
Describe how this activity could be	The Big Stone SWCD will increase the wages and benefits of current technical staff to retain existing		



accomplished in the biennium	knowledgeable and experienced staff.
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Water Resource Name	<b>Organization Wide - Surface &amp; Ground Water</b>		
Activity Description	<b>Big Stone SWCD will use cost share funds to address high priority water erosion sites, as established by Board approval. Projects on HEL soils and proximity to surface water will be prioritized. Technical assistance will be provided by Big Stone SWCD technician.</b>		
Activity Category	Technical/Engineering Assistance	Capital Improvement Project?	<b>No</b>
Source of State Contribution	SWCD State Cost-Share	Estimated # of FTEs	<b>0.1</b>
Total Requested Biennial State Contribution	\$2,620.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$0.00	Plan Type	SWCD Comprehensive Plan (SWCDs only; if SWCD has adopted County Comprehensive Local Water Mgmt. Plan, select that option)
Projects & Activities Budget	\$2,620.00	Action or Objective (from plan)	<b>page 3-12, chapter 3, goal 2, objective F, action item 2.F.1.- provide education, technical and financial assistance to landowners for the implementation of erosion and sediment control BMPs.</b>
Describe how this activity could be accomplished in the biennium	Projects designed will be prioritized for maximum soil and water quality benefit. Initial consultation and preliminary designs will be used to develop a cost share estimate and contract approved by the Big Stone SWCD board. Typical time frame from first visit to final inspection is 10 months.		

Water Resource Name	<b>Organization Wide - Surface &amp; Ground Water</b>		
Activity Description	<b>This activity provides for the increased wages for full time admin staff with regard to the increased workload, training and reporting for local capacity funds.</b>		
Activity Category	Administration/Coordination	Capital Improvement Project?	<b>No</b>
Source of State Contribution	SWCD Local Capacity Funds	Estimated # of FTEs	<b>0.1</b>
Total Requested Biennial State Contribution	\$8,960.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$0.00	Plan Type	SWCD Comprehensive Plan (SWCDs only; if SWCD has adopted County

			Comprehensive Local Water Mgmt. Plan, select that option)
Projects & Activities Budget	\$8,960.00	Action or Objective (from plan)	<b>page 3-26, chapter 3, goal 5, objective M, action item 5.M.1.-effectively administer the Big Stone County Waterplan.</b>
Describe how this activity could be accomplished in the biennium	Big Stone SWCD will increase wages and benefits to current full time admin staff to retain existing knowledgeable and experienced staff.		

Water Resource Name	<b>Organization Wide - Surface &amp; Ground Water</b>		
Activity Description	<b>Conservation delivery funds to be used for District expenses including board meetings, rent, equipment for the administration and delivery of local conservation activities including those under M.S. 103C.501.</b>		
Activity Category	Administration/Coordination	Capital Improvement Project?	<b>No</b>
Source of State Contribution	SWCD Conservation Delivery	Estimated # of FTEs	<b>0.15</b>
Total Requested Biennial State Contribution	\$36,074.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$50,000.00	Plan Type	SWCD Comprehensive Plan (SWCDs only; if SWCD has adopted County Comprehensive Local Water Mgmt. Plan, select that option)
Projects & Activities Budget	\$86,074.00	Action or Objective (from plan)	<b>page3-12, chapter 3, goal 2, objective F, action item 2.F.1.- provide educational, technical and financial assistance to landowners for the implementation of erosion and sediment control BMPs.</b>
Describe how this activity could be accomplished in the biennium	Big Stone SWCD works in partnership with local, state and federal partners to provide technical assistance, conservation incentives, and easement opportunities to the landowners of Big Stone County.		

Water Resource Name	<b>Organization Wide - Surface &amp; Ground Water</b>		
Activity Description	<b>The District will continue to apply for funding for the Cooperative Weed Management grant. This grant would continue the successful work of identifying, documenting and elimination of targeted invasive weeds throughout the county.</b>		
Activity Category	Administration/Coordination	Capital Improvement Project?	<b>No</b>

Source of State Contribution	SWCD Cooperative Weed Management Funds	Estimated # of FTEs	0.25
Total Requested Biennial State Contribution	\$3,000.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$3,100.00	Plan Type	SWCD Comprehensive Plan (SWCDs only; if SWCD has adopted County Comprehensive Local Water Mgmt. Plan, select that option)
Projects & Activities Budget	\$6,100.00	Action or Objective (from plan)	<b>page 3-13, chapter 3, goal 2, objective F, action item 2.F.3.g.-provide educational, technical and financial assistance to landowners for the implementation of erosion and sediment control BMPs, and continue to work with involved agencies on sustaining and expanding the Big Stone/Traverse CWMA grant program.</b>
Describe how this activity could be accomplished in the biennium	Big Stone SWCD will continue to develop and sustain strong partnerships between landowners, government units and other interested partners to manage invasive species. Targeted invasive species include Wild Parsnip, Queen Anne's Lace, and Leafy Spurge. GPS mapping and documentation of previous and newly identified areas of infestation will continue to control and prevent any further spreading.		

Water Resource Name	<b>Organization Wide - Surface &amp; Ground Water</b>		
Activity Description	<b>Perform required inspections for RIM easements. Funds will also be used for the targeting and promotion of the RIM program through extensive outreach efforts.</b>		
Activity Category	Administration/Coordination	Capital Improvement Project?	No
Source of State Contribution	RIM Easement Delivery	Estimated # of FTEs	0.05
Total Requested Biennial State Contribution	\$3,680.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$10,000.00	Plan Type	SWCD Comprehensive Plan (SWCDs only; if SWCD has adopted County Comprehensive Local Water Mgmt. Plan, select that option)

<b>Projects &amp; Activities Budget</b>	\$13,680.00	Action or Objective (from plan)	<b>page 3-12, chapter 3, goal 2, objective F, action item 2.F.1.e.-work with landowners to identify priority sites to implement erosion and sediment control Best Management Practices for wetland restoration using RIM funds.</b>
<b>Describe how this activity could be accomplished in the biennium</b>	Big Stone SWCD staff will conduct inspections, document the findings and report deficiencies to the landowner and work with them to implement corrective actions. Staff will review expiring CRP contracts for RIM applications. Newsletters, radio broadcasts, and informative letters will be used to contact the appropriate landowners.		