

# Implementation Plan Schedule

# Implementation Plan

The *Water Management Plan 2008-2013* includes objectives and actions that are practical, measurable and achievable in a five-year period. It will likely take much longer to observe measurable improvements in water quality and achieve local, watershed and State TMDL water quality goals. The implementation program is displayed in a table that includes a list of objectives and actions and identifies the lead and supporting agencies, estimated schedule, and the estimated financial resources available or needed for each action.

## **Lead , Supporting Agency and Others Involved**

Implementation of the Water Management Plan 2008-2013 is the responsibility of the County and the SWCD. Many other agencies will be involved with implementation directly and indirectly, providing technical assistance, oversight and funding. The main implementation partner will be the NRCS. Local townships and municipalities will also be involved and will have expenses related to plan implementation.

### Lead Agency

The lead agency is either the SWCD or County. They are responsible for the action and are more likely to expend greater staff or other resources on the action. The supporting agency will likely expend less time but will be involved with the action. The lead and supporting agencies are designated with a “1” or “2” in the County or SWCD column of the table.

Other agencies expected to have a significant role or time involvement with an action are listed in a separate column.

## **Schedule and Financial Resources**

The foundation of the plan is ongoing programs. Some programs will be expanded or enhanced in the first few years of plan implementation. This will require additional work and staff for program development, such as support from planning, GIS and other County staff not generally involved with an ongoing program. These amounts have been estimated and are included in the budget.

Financial constraints limit the ability of the SWCD and County to greatly expand existing programs or begin new programs. This is particularly true at the SWCD where stable funding to establish soil and water conservation practices is limited and grant funding is unpredictable. The budget reflects this uncertainty.

### Timeline

Each of the five years of the implementation program is shown in columns (2008-2013). An “X” in a column indicates when implementation of an action item is expected. A bold “X” indicates more staff time and expenses will be needed during one year of an action spanning more than one year.

## Budget

To provide a meaningful implementation budget useful to the County and SWCD, the plan budget for each action distinguishes financial and staff resources available for ongoing programs and new actions. This is shown in three separate columns labeled “ongoing”, “special”, and “implementation.” The “ongoing” column shows the *annual* budget for program staff and related costs to operate the program associated with an action or group of actions. The “special” column is the *total* estimated cost for additional staff needed for an action item. The “implementation” column is the estimated total amount needed for implementation of an action. This includes land management practices. The “implementation” budget for an action might also include expenses such as publication and printing costs not typically part of an ongoing program. The implementation budget does not reflect land owner/operator costs or costs to other agencies or local units of government. The budget also does not include the County Ditch Authority or management of County ditches but does include an estimated budget for actions to improve water quality that will involve the County Ditch Authority.

It was not possible to reasonably estimate the resources needed for all actions. Notes in the table explain that there is either not enough information or the financial resources available are widely variable and cannot be estimated. For example, while there is insufficient data at this time, data collection might be the first action followed by an assessment, but only after the assessment will it be possible to determine financial needs. Budgets tied to unpredictable sources or levels of funding were also not estimated for some actions. For some actions, an estimated range of funding or unit costs is shown based on current costs. Beyond a relatively small amount of State cost-share, there is a great deal of uncertainty with funding to establish soil and water conservation practices, as the bulk of the funding for these practices has been from competitive water quality grants from the MPCA and BWSR. Funding for SWCD staff is also tied to short term water quality grants. There is a need for stable funding to increase local capacity, mainly at the SWCD, to work with partners and land owners/operators to promote and establish land management practices that improve water quality and ensure continued soil productivity.

The need for more local staff is a specific action repeated several times in the plan to address multiple priorities: increasing water retention, increasing ditch buffer strips, and addressing TMDLs. The total projected cost of the budget is conservative and includes the addition of just one staff person. Without additional staff, implementing some of the actions in the plan will not be possible. Notes indicate which actions will require additional financial resources.



Objective / Action	Lead Agency		Other Agency	Timeline					Budget		
	SWCD	County		2008	2009	2010	2011	2012	Ongoing	Special	Implementation
<b>GROUND WATER</b>											
<b>Objective 1: Continue the Well Program.</b>											
<b>Action 1:</b> Blue Earth County will permit and inspect construction of new domestic wells and sealing of unused and abandoned wells.		1		x	x	x	x	x	\$59,360		
<b>Action 2:</b> The County will continue to fund the well sealing cost share program with at least \$9,000 annually.		1		x	x	x	x	x			\$45,000
<b>Objective 2: Increase local government's awareness of the potential for ground water contamination susceptibility in Blue Earth County.</b>											
<b>Action 1:</b> The County will work with Township officials providing data and information related to ground water contamination susceptibility and groundwater protection methods, including zoning, with a special focus on Lime Township and Mankato Township because of their unique position having local zoning authority and their location in areas with high susceptibility to ground water contamination.		1	Mankato Township Lime Township and City of Mankato		x	x			\$17,000		
<b>Action 2:</b> The County will provide data and information related to ground water contamination susceptibility and groundwater protection strategies to local government officials, including municipalities.		1	All municipalities		x	x					\$200
<b>Objective 3: The County will incorporate ground water protection measures in land use planning and regulations.</b>											
<b>Action 1:</b> The County will address ground water protection and land use in the update of the County Comprehensive Land Use Plan.		1	County Planning Commission and County Board		x	x			\$17,000		
<b>Action 2:</b> The County will address ground water protection measures in land use policy at the local level with special attention to business use and storage of potentially hazardous chemicals and materials and subsurface wastewater treatment and disposal.		1	County Planning Commission and County Board		x	x	x				
<b>Objective 4: The County will assist local government units with preparation of source water protection plans.</b>											
<b>Action:</b> The County will assist all local government units and the MDH with preparing source water protection plans as requested by participating in planning teams and providing available data and information including maps and aerial photos and County well index data.		1	Municipalities, MDH	?	?	?	?	?		unknown	unknown

Objective / Action	Lead Agency		Other Agency	Timeline					Budget			
	SWCD	County		2008	2009	2010	2011	2012	Ongoing	Special	Implementation	
<b>AG RUNOFF, PESTICIDES</b>												
<b>Objective 1: Reduce the amount of farmed, highly erodible land adjacent to public waters and ditches by establishing a buffer strip or a cover of perennial vegetation adjacent to all public waters in the County.</b>												
<b>Objective 2: Increase best management practices on farmed, highly erodible and potentially highly erodible land.</b>												
<b>Action 1:</b> The County, SWCD and other local implementation partners will identify marginal, highly erodible farmland adjacent to public waters and drainage systems and highly erodible and potentially erodible farm land.	1	2	NRCS, FSA, appropriate State agencies	x	x						\$1,680	
<b>Action 2:</b> Identify and prioritize areas to work based on appropriate financial incentives, easements, and regulations, special projects, studies, TMDLs, and local plans related to objective.	1	2	NRCS	x	x	x	x	x	\$18,480 <sup>B</sup>		\$16,800	
<b>Action 3:</b> Work with relevant implementation partners to promote conservation practices in priority areas.	1		NRCS	x	x	x	x	x			unknown	unknown
<b>Action 4:</b> Contact and work with land owners and land occupiers to establish conservation practices achieve objective.	1		NRCS	x	x	x	x	x			unknown	unknown
<b>Action 5:</b> Establish soil and water conservation practices to reduce runoff, soil erosion and sedimentation.	1		NRCS, BWSR	x	x	x	x	x				\$30,000- \$35,000 annual State cost share <sup>F</sup>
<b>Action 6:</b> Establish soil and water conservation practices to reduce runoff, soil erosion and sedimentation.	1	2	NRCS, State and Federal Agencies	x	x	x	x	x			unknown	unknown
<b>Objective 3. Increase public awareness of soil and water conservation issues, problems with education and information.</b>												
<b>Action 1:</b> Develop posters and other informational pieces related to soil erosion and other factors used to prioritize local project implementation and funding for display at the County SWCD, NRCS and other related offices.	1	2	NRCS		x	x	x	x	\$23,520 <sup>B</sup>		\$4,200 <sup>A</sup>	\$1,500
<b>Action 2:</b> Provide access to aerial photos, maps, topography, soils and other information on the County and SWCD web sites.	2	1			x	x	x	x			\$3,400 <sup>A</sup>	
<b>Action 3:</b> Promote best management practices in newsletters, web sites, press releases and brochures distributed by the County and SWCD annually.	1	2	NRCS	x	x	x	x	x			\$3,400 <sup>C</sup>	\$20,000
<b>Objective 4. Bi-annually review and evaluate data and information available for targeting BMP's and other implementation efforts.</b>												

Objective / Action	Lead Agency		Other Agency	Timeline					Budget		
	SWCD	County		2008	2009	2010	2011	2012	Ongoing	Special	Implementation
<b>Action:</b> Regularly hold <i>Water Management Plan</i> meetings with local implementation partners to identify, assess, evaluate and prioritize current project needs, information and future implementation strategies.	1	1	NRCS, FSA, DNR, State agencies	x	x	x	x	x		\$5,000	
<b>Objective 5. Seek stable funding for at least one SWCD staff position to work in all priority areas coordinating and promoting best management practices as described in the <i>Water Management Plan 2008-2013</i>, watershed and other relevant plans.</b>											
<b>Action 1:</b> Develop description of project and staff needs based on annual SWCD plans and other plans.	1	1		x	x					\$3,360	
<b>Action 2:</b> <b>County Drainage Section:</b> Add a full-time SWCD Technician/BMP Coordinator to work at the SWCD working with conservation partners promoting and coordinating the establishment of buffer and filter strips on County ditches, tile intakes and other waterways with an emphasis on County ditches. <b>TMDL Section:</b> Seek funding for a County-based staff person at the SWCD to work with land owners/operators in all impaired waters and TMDL Implementation Plan priority areas to establish soil and water conservation practices known to address multiple pollutants causing impairments. <b>Wetlands and Wildlife Section:</b> Add a full-time SWCD Technician/BMP Coordinator from 2009-2013 at the SWCD working with conservation partners promoting and coordinating the establishment of water retention an	1				x	x	x	x		\$339,200 <sup>E</sup>	
<b>LIVESTOCK and MANURE MANAGEMENT</b>											
<b>OBJECTIVE 1. Work with all feedlot operators to improve manure management planning.</b>											
<b>Action 1:</b> The County will meet with 100 percent of feedlot operators and crop consultants to improve manure management planning.		1		x	x	x	x	x			
<b>Action 2:</b> The County Feedlot Officer will enhance review of manure management fields and field/site specific discussion of sensitive areas and requirements (ground water contamination maps, bedrock, slope, soils, floodplains, ditches, surface water features, two foot contour maps, property boundaries, aerial photos and other information).		1		x	x	x	x	x	\$64,608		

Objective / Action	Lead Agency		Other Agency	Timeline					Budget		
	SWCD	County		2008	2009	2010	2011	2012	Ongoing	Special	Implementation
<b>Action 3:</b> The County will develop a program to provide County/SWCD web site access to local information about sensitive areas and requirements (ground water contamination maps, bedrock, slope, soils, floodplains, ditches, surface water feature, two foot contour maps, property boundaries, aerial photos and other information).	2	1			x	x				\$3,360 <sup>A</sup>	
<b>Action 4:</b> The County and SWCD will enhance its general, feedlot education program by providing information about applying manure in sensitive areas such as surface water and shallow soil over bedrock for distribution and display at the SWCD/NRCS office.	1	1			x	x	x	x		\$300	
<b>Action 5:</b> The SWCD, County and other organizations will participate in local demonstrations, field days and workshops as appropriate and report the results in newsletters and other communications.	1	1	MES, MDA		x	x	x	x	included in other budgets	\$2,400	
<b>Objective 2: Improve manure management in areas with high susceptibility to ground water contamination due to shallow depth of soil to bedrock.</b>											
<b>Action 1:</b> Identify feedlots in areas with high susceptibility for ground water contamination and shallow depth to bedrock.		1			x					\$1,175	
<b>Action 2:</b> Work with the Lime Township Board, feedlot operators and horse owners in Lime Township by providing information related to improving site management and manure management and identifying small sites with potential problems.		1	Lime Township			x	x			\$4,200	
<b>Action 3:</b> Provide site specific information and other resources to feedlot operators in areas with shallow depth to bedrock.	2	1	NRCS			x	x			\$1,680	
<b>Action 4:</b> Provide technical assistance to horse and livestock owners to reduce the potential for ground water contamination from manure.	1	1	NRCS			x	x	x		unknown	unknown
<b>Action 5:</b> Assess the need for and availability of financial assistance to horse owners to improve manure management.	1	1	NRCS			x	x	x		unknown	unknown
<b>OBJECTIVE 3. Reduce runoff from agricultural fields.</b>											
<b>Action:</b> Establish buffer strips, terraces and grass waterways to protect surface waters from runoff from agricultural fields.	1		NRCS, FSA	x	x	x	x	x	part of ongoing program	unknown	unknown
<b>OBJECTIVE 4. Reduce manure runoff problems from livestock feedlots and smaller sites.</b>											
<b>Action 1:</b> Provide technical assistance to operators of feedlots with open lot agreements to correct pollution problems by 2011, the State feedlot program compliance deadline.	1	2	NRCS	x	x	x			\$8,400 <sup>B</sup>	unknown	unknown
<b>Action 2:</b> Provide technical assistance to feedlot operators and owners of small sites to address pollution problems.	1	1	NRCS	x	x	x	x	x			

Objective / Action	Lead Agency		Other Agency	Timeline					Budget		
	SWCD	County		2008	2009	2010	2011	2012	Ongoing	Special	Implementation
<b>URBAN RUNOFF, PESTICIDES</b>											
<b>Objective 1: Encourage municipalities and Townships to review and revise stormwater, zoning and subdivision ordinances to protect water resources.</b>											
<b>Action 1:</b> Work with City staff, engineers and consultants to provide each City with general information about urban stormwater runoff impacts.		1	Municipalities, City Engineers		x	x	x			\$7,050	Each City's meeting and consulting engineer expenses
<b>Action 2:</b> Work with the City staff, engineers, consultants, NEMO, DNR and others as appropriate to provide each City with model ordinances to address development and stormwater impacts.		1	Municipalities, City Engineers		x	x	x	x			unknown
<b>Action 3:</b> Assess the need and seek funding for consultant services to review and rewrite local ordinances, if needed.		1	Municipalities, City Engineers, DNR		x	x	x	x			Township meeting expenses
<b>Action 4:</b> Work with Mankato Township and Lime Township to provide each with general information about urban stormwater runoff impacts and model ordinances to address stormwater impacts.		1	Mankato Township Lime Township		x	x	x				
<b>Objective 2: Reduce erosion at existing urban stormwater outlet structures.</b>											
<b>Action 1:</b> Work with City staff, engineers, SWCD and the County Ditch Manager to inventory and evaluate stormwater outlets to determine where erosion problems exist.		1	Municipalities and engineers	x	x					included in Objective 1	Each City's meeting and consulting engineer expenses
<b>Action 2:</b> Identify short-term and long-range solutions to stormwater runoff problems and construct structures, retention areas and other conservation practices where needed.		1	Municipalities and engineers		x	x					
<b>Action 3:</b> Work with City staff and SWCD to seek funding for Action 2 if needed.	2	1	Municipalities and engineers		x	x					
<b>Objective 3: Reduce erosion from construction sites.</b>											
<b>Action 1:</b> Provide general information about MPCA NPDES permit rules to municipalities (not Mankato) and Mankato Township staff.		1	Municipalities, Mankato Township		x	x				included in Objective 1	
<b>Action 2:</b> Provide general information about MPCA NPDES permit rules along with construction permits issued by the County.		1			x	x	x	x		\$3,360	
<b>Action 3:</b> Work with staff of municipalities, MPCA stormwater staff and others to assess compliance and educational needs related to State NPDES permit requirements.		1	MPCA, Municipalities			x				included in Objective 1	Each City's staff and other expenses

Objective / Action	Lead Agency		Other Agency	Timeline					Budget		
	SWCD	County		2008	2009	2010	2011	2012	Ongoing	Special	Implementation
<b>Action 4:</b> The City of Mankato will continue implementation of its Stormwater Pollution Prevention Plan, partnering with the County and local municipalities for education and other activities when appropriate.		2	Mankato, Municipalities	x	x	x	x	x		\$1,680	City of Mankato budget
<b>Objective 4: Promote homeowner best management practices to reduce pesticides, fertilizer and other pollutants generated by lawn, garage and home care.</b>											
<b>Action 1:</b> Work with city staff to provide data and information and sample educational materials, flyers, posters, etc.		1	Municipalities		x	x	x	x	included in other budgets and Objective 1		City expenses for printed materials, mailings
<b>Action 2:</b> Include BMP's in County and SWCD newsletters, web sites and other outreach activities.	2	1			x	x	x	x	included in other budgets		
<b>Objective 5: Protect sensitive lake shoreland areas from development.</b>											
<b>Action 1:</b> Assess the shoreland and riparian areas of all lakes, especially those with greatest likelihood of development such as Madison, Duck, Ballantyne, George, Eagle, Lura, Crystal, Loon, and Mills Lakes, to provide a baseline and general information for the County Planning Commission and the affected municipalities.		1	DNR, County Planning Commission, Madison Lake, Eagle Lake, Lake Crystal	x	x					part of Wetlands and Wildlife Objective 2	
<b>Action 2:</b> Address shoreline protection in the County's Comprehensive Land Use Plan and amend County land use regulations to protect shoreland areas from development impacts.		1	County Planning Commission and County Board		x	x				part of Wetlands and Wildlife Objective 2	
<b>Objective 6: City and County park systems will continue to develop and redevelop shoreland areas providing public access, reducing runoff, and protecting stream banks and shoreland.</b>											
<b>Action 1:</b> The County Parks Department will continue to utilize and promote best management practices, such as rain gardens and use of native vegetation, in all County parks, as appropriate.		1	DNR	x	x	x	x	x		unknown	unknown
<b>Action 2:</b> The County will continue to work with lake associations, local conservation organizations, the DNR and other State agencies to stabilize shoreland areas in County Parks where needed and as funding is available.		1	DNR, MPCA, Other agencies	x	x	x	x	x		unknown	unknown
<b>Action 3:</b> The City of Mankato will continue to redevelop waterfront areas, trails and parkways along the Minnesota River, Blue Earth River, Indian Creek, and Thompson Creek to improve water quality and provide education and access to the river for residents and visitors where appropriate and as funding is available.		2	City of Mankato	x	x	x	x	x		unknown	unknown

Objective / Action	Lead Agency		Other Agency	Timeline					Budget		
	SWCD	County		2008	2009	2010	2011	2012	Ongoing	Special	Implementation
<b>IMPAIRED WATERS AND TMDLS</b>											
<b>Objective 1: Support development of TMDL Implementation Plans.</b>											
<b>Action 1:</b> Work cooperatively on a watershed basis to identify and prioritize implementation activities.	1	1	GBERBA, neighboring counties, MPCA, State Agencies	x	x	x	x	x	\$59,010 <sup>D</sup>	unknown	
<b>Action 2:</b> At the request of the MPCA or other TMDL sponsor and within the constraints of local staff time and resources, participate in preparation of TMDL studies and implementation plans .	1	1	MPCA	x	x	x	x	x		unknown	unknown
<b>Objective 2: Implement soil and water conservation and other practices identified in TMDL implementation plans.</b>											
<b>Action 1:</b> Work with agricultural land owners/operators to establish best management practices to achieve TMDL implementation goals as practicable considering availability of local staff and project resources.	1	2		x	x	x	x	x	part of existing programs		unknown
<b>Action 2:</b> Seek funding for a County-based staff person at the SWCD to work with land owners/operators in all impaired waters and TMDL Implementation Plan priority areas to establish soil and water conservation practices known to address multiple pollutants causing impairments.	1	1			x	x	x	x	\$339,200 <sup>E</sup>		
<b>Action 3:</b> Work with nonpoint sources identified in TMDLs to increase awareness of water quality problems, change behavior and establish best management practices where appropriate and practicable considering availability of local staff and project resources.	1	1		x	x	x	x	x	part of existing programs		
<b>Objective 3: Increase participation in the MPCA Citizen Stream Monitoring Program.</b>											
<b>Action 1:</b> Promote Citizen Stream Monitoring in SWCD and County newsletters, web site and other information sources.	1	1		x	x	x	x	x	included in existing and future education efforts		
<b>COUNTY DITCHES</b>											
<b>Objective 1: Encourage voluntary establishment of ditch buffer strips on County ditches with education and information activities promoting the benefits of ditch buffers and the availability of financial incentives.</b>											

Objective / Action	Lead Agency		Other Agency	Timeline					Budget		
	SWCD	County		2008	2009	2010	2011	2012	Ongoing	Special	Implementation
<b>Action 1:</b> The SWCD will provide a list of conservation funding opportunities to the Ditch Authority annually in order for the Ditch Authority to be fully aware of locally available incentives.	1			x	x	x	x	x		\$3,360	
<b>Action 2:</b> The County and SWCD will increase communications providing information about water quality related benefits of ditch buffers and financial incentives available for establishing new ditch buffers.	1	2	NRCS		x	x	x	x		\$3,360	
<b>Action 3:</b> The County Ditch Authority and other County Departments will work together to provide information in general newsletters and the County web-site. The County Ditch Authority will develop written communications, such as letters and newsletters to ditch system owners when appropriate to special projects.	1	1	NRCS		x	x	x	x	Existing newsletters and web site	unknown	unknown
<b>OBJECTIVE 2: Increase the total miles of drainage ditch buffer strips on County ditches in Blue Earth County by 50 percent by December 31, 2012.</b> <i>In order to achieve County goals for this objective, financial resources will be needed for additional staff, landowner incentives and acquisition costs.</i>											
<b>Action 1:</b> Establish baseline data for this objective to consistently measure success over time, by using County data reported to BWSR to determine the total miles of ditch buffers in the County.		1		x	x					unknown	
<b>Action 2:</b> Add a full-time SWCD Technician/BMP Coordinator from 2009-2012 to work at the SWCD working with conservation partners promoting and coordinating the establishment of buffer and filter strips on County ditches, tile intakes and other waterways with an emphasis on County ditches.	1	2			x	x	x	x		\$339,200 <sup>E</sup>	
<b>Action 3:</b> Work with implementation partners to develop a reasonable, implementation goal and work plan annually for this objective assuming the addition of full time staff and financial incentives to coordinate bmp programs with a special emphasis on ditch buffers.	2	1	NRCS, FSA, Local Implementation Partners		x	x	x	x		\$5,000	
<b>Action 4:</b> Seek funding to provide financial incentives to establish ditch buffer strips on pre-identified County ditches.	2	1			x	x	x	x		unknown	\$12,000-\$14,000 per mile <sup>G</sup>
<b>OBJECTIVE 3: Identify, assess and prioritize County ditch systems and areas within County ditch systems for retention, wider ditch buffers and other strategies to improve surface and ground water quality and wildlife habitat.</b>											

Objective / Action	Lead Agency		Other Agency	Timeline					Budget		
	SWCD	County		2008	2009	2010	2011	2012	Ongoing	Special	Implementation
<b>Action 1:</b> Work with local committees and workgroups with broad representatives of multiple interests similar to those formed for the Water Management Plan and Greenprint to develop criteria and methods for prioritizing program implementation. Representatives of ditch owners, wildlife conservation, rural residents, water quality and others will be involved. County GIS tools will be used to support the process.	2	1		x	x					part of Wetlands and Wildlife section	
<b>Action 2:</b> Priority areas will be assessed based on methods and criteria developed by committees and workgroups for program implementation as well as available resources, regulations and other requirements. The County and SWCD will work together to identify representatives and frequency of program planning and evaluation as needed.	2	1		x	x	x	x	x		part of Wetlands and Wildlife section	
<b>Action 3:</b> Identify and assess opportunities to reduce impacts from municipal storm water discharges with best management practices, including water retention, wetland restoration, buffer strips, grassed waterways, and other erosion control practices.	2	1	Municipalities, Engineers,	x	x					\$30,000	
<b>Action 4:</b> Identify native plants best suited for ditch buffer plantings, assess and prioritize locations for native plants in conjunction with wildlife and other priority areas.	1	1	BWSR, DNR		x	x				\$5,000	
<b>OBJECTIVE 4: Increase water retention and wetland restoration in County ditch drainage systems by 30 percent.</b>											
<b>Action 1:</b> Seek funding to expand the engineering and environmental review assessment for ditch improvement and repair projects to study flooding characteristics and downstream impacts during small, frequent storm events as well as 5,10, 25, 50 year flood events; water storage and retention practices; and water quality effects.		1		x	x	x	x	x		unknown	unknown
<b>Action 2:</b> Establish baseline data for this objective to consistently measure success over time.		1		x	x					\$3,360	
<b>Action 3:</b> Seek funding to provide financial incentives to establish water retention areas.	1	1			x	x	x	x		\$8,400	unknown
<b>Action 4:</b> Work with local conservation groups and State and Federal agencies to seek funding and restore and enhance wildlife habitat in priority areas.	1	1		x	x	x	x	x			unknown
<b>Action 5:</b> Add a full-time SWCD Technician/BMP Coordinator from 2009-2013 at the SWCD working with conservation partners promoting and coordinating the establishment of water retention and wetlands.	1	2			x	x	x	x		\$339,200 <sup>E</sup>	

Objective / Action	Lead Agency		Other Agency	Timeline					Budget		
	SWCD	County		2008	2009	2010	2011	2012	Ongoing	Special	Implementation
<b>Action 6:</b> Work with implementation partners to develop a reasonable, implementation goal and work plan annually for this objective assuming the addition of full time staff and financial incentives to coordinate bmp programs with a special emphasis on ditch buffers and water retention.	2	1			?	?	?	?		unknown	
<b>WETLANDS AND WILDLIFE</b>											
<b>Objective 1: Continue to administer WCA.</b>											
<b>Action 1:</b> Continue to administer the WCA, including TEP and with the DNR on WCA enforcement.	2	1	BWSR, DNR	x	x	x	x	x	\$85,152 <sup>C</sup>		
<b>Objective 2: Continue to identify, assess and prioritize high priority areas for protection, enhancement and restoration of wetlands and wildlife habitat.</b>											
<b>Action 1:</b> Continue to work with DNR Fisheries, DNR Wildlife staff and US Fish and Wildlife Service to identify, assess and prioritize specific areas important for wetland habitat, lake shore habitat, and other conservation practices.		1	DNR, BWSR, USFWS	x	x				\$67,840 <sup>A</sup>		
<b>Action 2:</b> Work with local wildlife conservation organizations to identify, assess and prioritize specific areas important for wetland habitat, lake shore habitat, and other conservation practices.		1		x	x						
<b>Action 3:</b> Continue to work with representatives of broad interests and stakeholders to identify, assess and prioritize wetland, lake shore habitat and other conservation areas.		1	Planning Commission	x	x						
<b>Action 4:</b> Evaluate the need for a Comprehensive Wetland Management Plan and ordinance in all or parts of Blue Earth County.	2	1	Mankato, Municipalities, BWSR		x	x					
<b>Objective 3: Identify and incorporate ground water recharge areas in wetland and other conservation plans.</b>											
<b>Action:</b> As described in the Groundwater Section of the Water Management Plan, the County views protection of ground water a very high priority. Additional data is needed to identify, assess and prioritize ground water recharge areas to target wetland protection and restorations.		1	State Agencies	?	?	?	?	?	unknown	unknown	unknown
<b>WASTEWATER AND SSTS</b>											
<b>Objective 1: Continue to manage decentralized wastewater treatment with the County SSTS program.</b>											

Objective / Action	Lead Agency		Other Agency	Timeline					Budget		
	SWCD	County		2008	2009	2010	2011	2012	Ongoing	Special	Implementation
<b>Action 1:</b> Maintain and update the County Ordinance consistent with State Statutes.		1		x	x	x	x	x	\$127,200		
<b>Action 2:</b> Issue permits, conduct inspections and maintain records for SSTS in Blue Earth County.		1		x	x	x	x				
<b>Objective 2: Reduce the number of dwellings defined as imminent public health threats by 50 percent.</b>											
<b>Action 1:</b> Update and analyze all available data to reasonably estimate the number of imminent public health threats and determine a baseline to evaluate future results related to this goal.		1		x	x					\$5,020	
<b>Action 2:</b> Assess the need for financial incentives, including low interest loans, to accelerate the percentage of compliant SSTS.	2	1			x	x				\$1,175	
<b>Action 3:</b> Evaluate overall compliance levels every one to three years and adjust education and other program components accordingly to meet objective.		1			x	x		x		\$3,500	
<b>Objective 2: Increase compliance with SSTS maintenance requirements.</b>											
<b>Action 1:</b> Determine the level of compliance with State regulated maintenance requirements.		1	MPCA		x	x				\$2,520	
<b>Action 2:</b> Work with haulers, property owner representatives and others to identify and address education, disposal and other needs related to septic system maintenance issues.		1	Municipalities, Townships		x	x					
<b>Objective 3: Evaluate septage management systems, including disposal, storage and land application.</b>											
<b>Action 1:</b> Identify the septage management systems of each contractor in the County.		1				x	x			\$1,260	
<b>Action 2:</b> Work with pumpers, contractors, municipalities and other representatives to assess needs related to septage management in Blue Earth County.		1				x	x			\$2,520	
<b>Key for Budget Items</b> <sup>A</sup> = County staff from departments related to action <sup>B</sup> = SWCD staff <sup>C</sup> = Both County and SWCD <sup>D</sup> = Costs to participate in existing watershed organizations at current levels. Includes annual dues, County Commissioner and SWCD Supervisor per diem, and County and SWCD staff time. Does not include mileage or other expenses. <sup>E</sup> = Additional SWCD staff is needed to address multiple objectives. This is the estimated cost of one staff person for four years. <sup>F</sup> = Historic range of cost share <sup>G</sup> = Current range of cost											