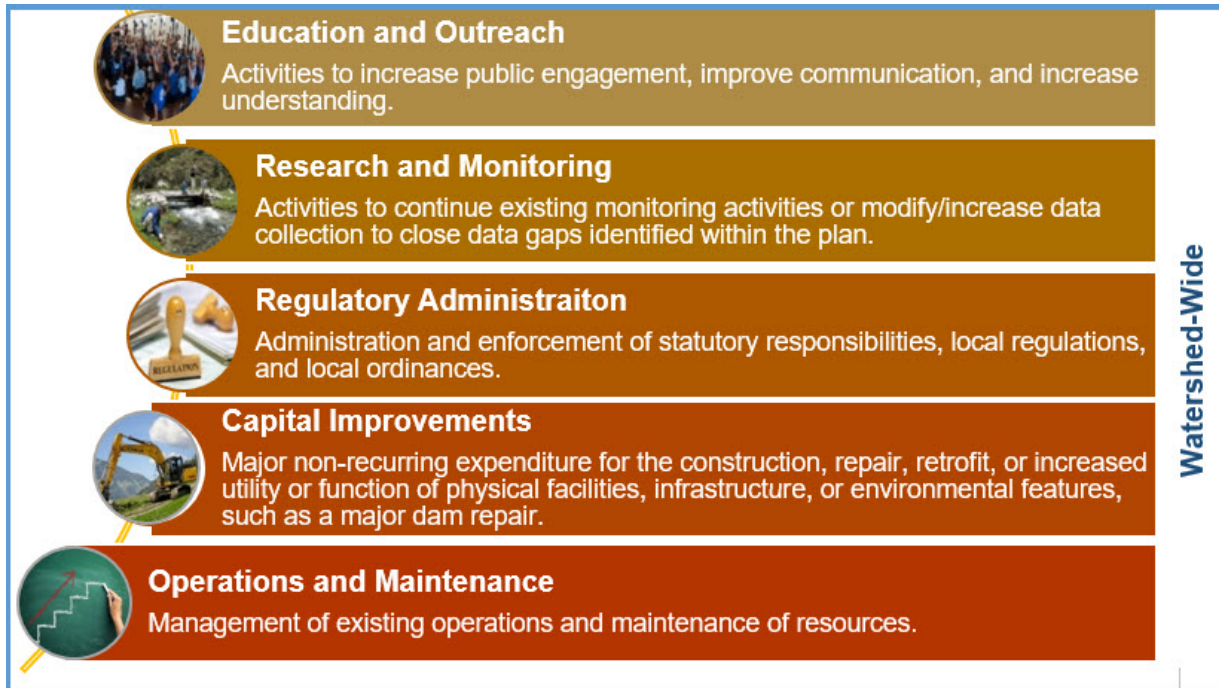


6.3 Watershed-Wide Implementation Efforts

Actions in the following categories are implemented watershed-wide, to ensure consistency and effectiveness at a watershed-scale.



Presented below are the targeted implementation schedules for the implementation of these watershed-wide actions within the Watowan River Watershed. Where it applies, the funding level column is defined as follows; B = Baseline Funding, E = Enhanced Funding, and C = Collaborative and Competitive (Col/Comp) Funding.

Table 6-5 Capital Improvements Program Implementation

Action #	Goal-Related Actions	Unit	Unit Cost	Total 10-Year Cost (\$)	Responsibility - Lead (underlined> & Partner(s)	Timeline					Goal # by Resource Concern								
						2020-21	2022-23	2024-25	2026-27	2028-29	Agricultural Drainage Systems	Lakes	Rivers and Streams	Wetlands	Surface Runoff and Flooding	Groundwater Quality & Quantity	Habitat (Aquatic and Terrestrial)	Recreation	Local Knowledge Base
CI-1	Support lake associations and other landowners in lake -based decision-making for lakes with high phosphorus loading..	See Section 7; Table 7-3			<u>County</u> , SWCD, DNR	Ongoing						SW.2.1a SW 2.1b							
CI-2	Stabilize and protect streams, rivers, and bluffs through restoration of straightened channels to decrease stream velocity, reduce flood impacts, and enhance recreational and fish and wildlife habitat value.	See Section 7; Table 7-3			<u>County</u> , SWCD	Ongoing							SW.3.1a SW.3.1b					HR.1.1a HR.1.1b	
CI-3	Implement livestock waste management systems and manage water using runoff control measures.	See Section 7; Table 7-3			<u>County</u> , SWCD, MDA	Ongoing							SW.3.2a SW.3.2b				GW.1.1a GW.1.1b		
CI-4	Protect and restore wetlands through programs as property tax credits, easements, and wetland bank sites. Restore and improve 500 acres of wetlands.	See Section 7; Table 7-3			<u>County</u> , SWCD, BWSR	Ongoing								SW.4.1a		GW.1.1a GW.1.1b			
CI-5	Repair, maintain, and implement additional flood storage practices, larger scale retention projects, larger scale floodplain culverts, and floodwater impoundments to address the most significant flooding contributors first based on outcome of future conditions hydrologic and hydraulic model.	See Section 7; Table 7-3			<u>County</u> , SWCD, City	Ongoing									SW.5.2a SW.5.2b				
CI-6	Address failing culverts and fish barriers through engagement with county public works, townships, and private landowners to accurately size bridges and culverts.	See Section 7; Table 7-3			<u>County</u> , SWCD, DNR	Ongoing											HR.1.1b		

Table 6-6 Research and Monitoring Program Implementation

Action #	Goal-Related Actions	Unit	Unit Cost	Total 10-Year Cost (\$)	Funding Level (Baseline - B, Enhanced - E, Col/Comp - C)	Responsibility - Lead (underlined) & Partner(s)	Timeline					Goal # by Resource Concern									
							2020-21	2022-23	2024-25	2026-27	2028-29	Agricultural Drainage Systems	Lakes	Rivers and Streams	Wetlands	Surface Runoff and Flooding	Groundwater Quality & Quantity	Habitat (Aquatic and Terrestrial)	Recreation	Local Knowledge Base	Stewardship (Urban, Rural, and Shoreland)
RM-1	Continue monitoring programs such as wellhead monitoring, volunteer rain gages, water sampling, and lake level monitoring.	Monitoring Programs	Ongoing Program	\$44,000	B	<u>County</u> , SWCD, DNR, MDA, MDH	Ongoing						SW.2.1a SW.2.1b SW.2.2a	SW.3.1a SW.3.1b SW.3.1c			GW.1.1a GW.1.1b GW.1.1c				
RM-2	Develop and maintain an aquatic invasive species database including the location of current populations, areas prone to invasion, and natural barriers to coordinate infestation management efforts, including (but not limited) to invasive carp, Eurasian Watermilfoil, Purple Loosestrife, zebra mussels, and Spiny Water Fleas.	AIS management plan / database	\$15,000	\$15,000	B	<u>County</u> , SWCD, DNR	Ongoing											HR.1.3a HR.1.3b			
RM-3	Target key landscapes and areas that should be priority for reducing runoff (i.e. steep slopes, highly erodible soils, etc.) utilizing PTMApp data outputs such as soil erodibility factor and length-slope factor variables from the revised universal soil loss equation (RUSLE), as well as available geologic/soils data.	Prioritization Study	\$10,000	\$10,000	B	<u>County</u> , SWCD	•	•								SW.5.1 a SW.5.2a SW.5.2b					
RM-4	Prioritize feedlot inspections, regardless of size, in areas of greatest risk to pollution of water resources.	Prioritization Study	\$5,000	\$5,000	B	<u>County</u> , SWCD, MPCA	Ongoing														LS.2.3a
RM-5	Prioritize areas with a high density of private wells, high pollution sensitivity, Mankato drinking water supply management area, and/or where there are known groundwater contaminants (e.g., wellhead protection areas, sensitive landscapes, etc.) to implement BMPs	Prioritization Study	\$5,000	\$5,000	B	<u>County</u> , SWCD, DNR, MDH, MDA, public water suppliers	•									GW.1.2a					

Action #	Goal-Related Actions	Unit	Unit Cost	Total 10-Year Cost (\$)	Funding Level (Baseline - B, Enhanced - E, Col/Comp - C)	Responsibility - Lead (underlined) & Partner(s)	Timeline					Goal # by Resource Concern														
							2020-21	2022-23	2024-25	2026-27	2028-29	Agricultural Drainage Systems	Lakes	Rivers and Streams	Wetlands	Surface Runoff and Flooding	Groundwater Quality & Quantity	Habitat (Aquatic and Terrestrial)	Recreation	Local Knowledge Base	Stewardship (Urban, Rural, and Shoreland)					
	that reduce the risk of contaminants in groundwater utilizing the Nitrogen Infiltration Risk analysis.																									
RM-6	Identify, prioritize and target structures needed to repair/replace or build to address the most significant flooding contributors first.	Prioritization Study	\$10,000	\$10,000	E	<u>SWCD</u> , County, DNR, City	•	•							SW.5.3b											
RM-7	Leverage existing or planned work while conducting watershed-wide source assessment of near-channel sediment loading (i.e., banks, bluffs, and ravines) and identify priority banks for stabilization BMPs.	1 assessment	\$75,000	\$75,000	E, C	<u>SWCD</u> , County	Ongoing							SW.3.4a												
RM-8	Pursue management activities to address terrestrial invasives of concern, including but not limited to early detection, control measures, and educational outreach campaigns.	Annual Management Expenditure	\$5,000	\$50,000	E, C	<u>County</u> , SWCD, DNR, MDA, Townships, City	Ongoing																			
RM-9	Leverage existing or planned work to identify areas adjacent to existing public lands that contain wildlife habitat features (wetlands, floodplain, MBS biodiversity sites, priority shallow lakes, etc.) and prioritize to encourage enrollment in land set-aside programs.	Prioritization Study	\$10,000	\$10,000	E, C	<u>County</u> , SWCD, DNR		•							SW.3.3a											
RM-10	Leverage existing or planned work while following DNR guidance for wood removal in riparian corridors at or below the ordinary high-water level. Above the ordinary high-water level will be covered by shoreland ordinance.	Resource	\$2,500	\$2,500	E, C	<u>DNR</u> , County, SWCD		•							SW.3.4a											

Action #	Goal-Related Actions	Unit	Unit Cost	Total 10-Year Cost (\$)	Funding Level (Baseline - B, Enhanced - E, Col/Comp - C)	Responsibility - Lead (underlined) & Partner(s)	Timeline					Goal # by Resource Concern								
							2020-21	2022-23	2024-25	2026-27	2028-29	Agricultural Drainage Systems	Lakes	Rivers and Streams	Wetlands	Surface Runoff and Flooding	Groundwater Quality & Quantity	Habitat (Aquatic and Terrestrial)	Recreation	Local Knowledge Base
	programs (i.e., Continuous CRP, RIM, CREP, reserve for wellhead protection, wetland banking, etc.) to improve wildlife habitat.																			
RM-14	Identify needed improvements to infrastructure relative to public accesses, trails, road maintenance, and signage to promote and increase use of publicly-owned lands.	Recreational infrastructure management plan	\$10,000	10000	C	<u>County</u> , DNR					Ongoing								HR.3.1a	
RM-15	Identify and prioritize degraded lakeshore and upstream bank failure sites for BMP implementation to address lake nutrient and sediment loading.	1 Study	\$10,000	\$10,000	C	<u>SWCD</u> , County, DNR					Ongoing		SW.2.1a							
RM-16	Develop and apply resources to assess and estimate wetland loss.	1 Study	\$10,000	\$10,000	C	<u>County</u> , SWCD, DNR					Ongoing				SW.4.1a SW.4.1b					
RM-17	Identify, prioritize, and target areas where connectivity can be established through the creation of a water feature, installation of a new structure, or repair/replacement of an old structure.	Prioritization Study	\$5,000	\$5,000	C	<u>County</u> , SWCD, City, DNR					Ongoing			SW.3.3a						
RM-18	Identify and Prioritize aquifer recharge BMPs within identified DWSMAs.	Prioritization Study	\$5,000	\$5,000	C	<u>County</u> , SWCD, MDH, public water suppliers	•	•								GW.2.1a				

Action #	Goal-Related Actions	Unit	Unit Cost	Total 10-Year Cost (\$)	Funding Level (Baseline - B, Enhanced - E, Col/Comp - C)	Responsibility - Lead (underlined) & Partner(s)	Timeline					Goal # by Resource Concern									
							2020-21	2022-23	2024-25	2026-27	2028-29	Agricultural Drainage Systems	Lakes	Rivers and Streams	Wetlands	Surface Runoff and Flooding	Groundwater Quality & Quantity	Habitat (Aquatic and Terrestrial)	Recreation	Local Knowledge Base	Stewardship (Urban, Rural, and Shoreland)
RM-19	Start/complete the Geologic Atlas process for all counties	Geologic Atlas Per County	Estimate Partnership Cost	Cost per remaining County	C	<u>County</u> , SWCD, DNR, MGS	Ongoing										GW.2.1a				
RM-20	Identify and prioritize soil health practices in planning regions.	Prioritization Study	<i>N/A: Existing PMTApp Data</i>		N/A	<u>County</u> , SWCD, DNR, MGS	•									GW.2.1a					
RM-21	Monitor and document the details of each flood event that results in damages.	<i>N/A: Existing Budget</i>			N/A	<u>County</u> , SWCD, City, DNR	Ongoing							SW 3.1a SW 3.2b		SW.5.3					
		Total 10-Year Costs (\$)		546,500																	

Table 6-7 Education and Outreach Program Implementation

Action #	Goal-Related Actions	Unit	Unit Cost	Total 10-Year Cost (\$)	Funding Level (Baseline – B, Enhanced – E)	Responsibility - Lead (underlined) & Partner(s)	Timeline					Goal # by Resource Concern							
							2020-21	2022-23	2024-25	2026-27	2028-29	Agricultural Drainage Systems	Lakes	Rivers and Streams	Wetlands	Surface Runoff and Flooding	Groundwater Quality & Quantity	Habitat (Aquatic and Terrestrial)	Recreation
EO-1	Complete 100 visits annually to local landowners to encourage enrollment in state and federal programs to preserve and restore wetlands.	100 visits/year	\$150/visit; \$15,000/year	\$150,000	B	<u>SWCD</u> , County	Ongoing					SW.4.1b							
EO-2	Conduct property stewardship visits to discuss BMP implementation with interested property owners.	5 comprehensive site visits/year	\$500/visit	\$25,000	B	<u>SWCD</u> , County, City, MDA	Ongoing										LKB.1.1a LKB.1.1b		
EO-3	Provide technical assistance to bring 75% of SSTS into compliance.	Ongoing Marketing	\$2,000/year	\$20,000	B	<u>County</u> , <u>SWCD</u> , MPCA, MDA	Ongoing											LS.2.2a	
EO-4	Conduct property landowner awareness visits to foster understanding of BMPs and environmental conservation.	10 site visits/year	\$150/visit	\$15,000	B	<u>SWCD</u> , County, City, MDA	Ongoing										LKB.1.1a LKB.1.1a		
EO-5	Develop an outreach plan to coordinate the educational and outreach efforts consistent with the goals of this plan.	Ongoing Marketing	\$1,000/year	\$10,000	B	<u>SWCD</u> , County, City	Ongoing										LKB.1.1a		
EO-6	Provide outreach to property owners about riparian and shoreland BMPs.	Ongoing Marketing	\$1,000/year	\$10,000	B	<u>SWCD</u> , County, DNR	Ongoing											LS.3.1a	
EO-7	Conduct 1 educational outreach effort annually to highlight watershed livestock BMP and SSTS incentive programs.	1 outreach effort/year	\$1,000/ outreach effort	\$10,000	B	<u>County</u> , <u>SWCD</u> , City	Ongoing					SW.3.2c		GW.1.1c					

Action #	Goal-Related Actions	Unit	Unit Cost	Total 10-Year Cost (\$)	Funding Level (Baseline - B, Enhanced - E)	Responsibility - Lead (underlined) & Partner(s)	Timeline					Goal # by Resource Concern							
							2020-21	2022-23	2024-25	2026-27	2028-29	Agricultural Drainage Systems	Lakes	Rivers and Streams	Wetlands	Surface Runoff and Flooding	Groundwater Quality & Quantity	Habitat (Aquatic and Terrestrial)	Recreation
EO-8	Explore and promote protection and restoration of wetlands through such programs as property tax credits, easements, and establishment of wetland bank sites.	Ongoing Marketing	\$1,000/year	\$10,000	B	<u>SWCD</u> , County, BWSR	Ongoing					SW.4.1b							
EO-9	Increase the number of farmers enrolled in the Nutrient Management Initiative Program to evaluate nutrient management practices.	Number of enrollments/year	\$1,000/year	\$10,000	B	<u>County</u> , SWCD, MDA	Ongoing						GW.1.1c						
EO-10	Hold 1 water testing outreach effort annually to determine nitrate concentrations in irrigation water.	1 outreach effort/year	\$1,000/outreach effort	\$10,000	B	<u>County</u> , SWCD, MDA, MDH	Ongoing						GW.1.1c						
EO-11	Provide information to private well users about local drinking water quality and well testing opportunities: Coliform Bacteria (every year); Nitrate (every other year); Arsenic (at least once); Lead (at least once); Manganese (at least once). Conduct outreach to enhance the public's understanding of Contaminants of Emerging Concern (CEC) by communicating the health impacts and exposure potential of emerging contaminants in drinking water.	2 well testing clinic/year	\$1,000/clinic	\$10,000	B	<u>County</u> , SWCD, MDH	Ongoing						GW.1.2b						
EO-12	Work with County Emergency Management Staff, City Staff, and affected landowners to educate the community and build awareness regarding extreme weather events.	Ongoing Marketing	\$1,000/year	\$10,000	B	<u>SWCD</u> , County	Ongoing					SW.5.3a							

Action #	Goal-Related Actions	Unit	Unit Cost	Total 10-Year Cost (\$)	Funding Level (Baseline - B, Enhanced - E)	Responsibility - Lead (underlined) & Partner(s)	Timeline					Goal # by Resource Concern									
							2020-21	2022-23	2024-25	2026-27	2028-29	Agricultural Drainage Systems	Lakes	Rivers and Streams	Wetlands	Surface Runoff and Flooding	Groundwater Quality & Quantity	Habitat (Aquatic and Terrestrial)	Recreation	Local Knowledge Base	Stewardship (Urban, Rural, and Shoreland)
EO-13	Maintain and expand set-aside acres in sensitive areas, including areas in publicly supported conservation programs like CRP, from being converted to higher intensity uses.	# of Set-Aside Acres	\$1,000/year	\$10,000	B	<u>County</u> , SWCD, USDA Farm Service Agency	Ongoing										GW.2.1b				
EO-14	Promote and encourage the adoption of irrigation water management BMPs that increase water conservation.	Ongoing Marketing	\$1,000/year	\$10,000	B	<u>MDA</u> , SWCD, DNR	Ongoing										GW.2.1b				
EO-15	Engage county public works, townships and private landowners in prioritizing and replacing failing culvert/ barriers that impact aquatic life as identified in county CIPs (including technical assistance and design standards).	1 outreach effort/year	\$1,000/ outreach effort	\$10,000	B	<u>County</u> , Townships, SWCD	•	•	•											HR.1.1b	
EO-16	Promote BMPs that increase perennial native vegetation in riparian areas to provide connections between fragments, expand riparian access and increase riparian cover.	Ongoing Marketing	\$1,000/year	\$10,000	B	<u>County</u> , SWCD	Ongoing													HR.1.1a	
EO-17	Annually complete outreach efforts to describe opportunities to improve water quality while maintaining drainage capacity.	Ongoing Marketing	\$1,000/year	\$10,000	B	<u>County</u> , SWCD, Drainage Authority	Ongoing					SW.1.1a									
EO-18	Support lake associations and other landowners in lake-based decision making.	Ongoing Marketing	\$1,000/year	\$10,000	B	<u>SWCD</u> , County, DNR	Ongoing						SW.2.1a SW.2.1b								

Action #	Goal-Related Actions	Unit	Unit Cost	Total 10-Year Cost (\$)	Funding Level (Baseline – B, Enhanced – E)	Responsibility – Lead (underlined) & Partner(s)	Timeline					Goal # by Resource Concern								
							2020-21	2022-23	2024-25	2026-27	2028-29	Agricultural Drainage Systems	Lakes	Rivers and Streams	Wetlands	Surface Runoff and Flooding	Groundwater Quality & Quantity	Habitat (Aquatic and Terrestrial)	Recreation	Local Knowledge Base
EO-19	Request and work with MN DNR to hold 2 public outreach efforts to discuss lake level management.	2 outreach efforts/year	\$1,000/ outreach effort	\$2,000	B	<u>SWCD</u> , County, DNR, Lake Associations	Ongoing						SW.2.1a SW.2.1b							
EO-20	Form committee to explore collaborative efforts in dealing with aquatic invasive species including education, control, rapid response, and inspections.	N/A: Existing Staff Time			B	<u>County</u> , SWCD, DNR	•									HR.1.3a HR.1.3b				
EO-21	Generate and provide supporting educational and outreach materials consistent with the goals of this plan.	Ongoing Marketing	\$1,000/year	\$50,000	E	<u>SWCD</u> , County, City	Ongoing											LKB.1.2a		
EO-22	Conduct outreach and host educational programs to increase the adoption of conservation practices and soil health practices to highlight available assistance technical and financial assistance to implement these practices.	2 outreach efforts/year	\$1,000/ outreach effort	\$20,000	E	<u>SWCD</u> , County	Ongoing									SW.5.1b SW.5.2c				
EO-23	Coordinate opportunities for local field days, training and outreach for farmers, co-ops, and crop consultant; include state and federal agency resource partners to facilitate outreach efforts. Focus on land-water relationship concepts, alternative nitrogen management practices, soil health, second crops and other conservation, land stewardship practices that provide long-term sustainable	2 outreach efforts	\$1,000/ outreach effort	\$20,000	E	<u>SWCD</u> , County, MDH, MDA	Ongoing									SW.5.1b SW.5.2c	GW.2.1b			

Action #	Goal-Related Actions	Unit	Unit Cost	Total 10-Year Cost (\$)	Funding Level (Baseline - B, Enhanced - E)	Responsibility - Lead (underlined) & Partner(s)	Timeline					Goal # by Resource Concern							
							2020-21	2022-23	2024-25	2026-27	2028-29	Agricultural Drainage Systems	Lakes	Rivers and Streams	Wetlands	Surface Runoff and Flooding	Groundwater Quality & Quantity	Habitat (Aquatic and Terrestrial)	Recreation
	solutions to protect groundwater quality and quantity.																		
EO-24	Conduct 2 educational outreach efforts annually about water quantity and community resilience to extreme weather events.	2 outreach efforts/year	\$1,000/ outreach effort	\$20,000	E	<u>County</u> , SWCD, Cities	Ongoing					SW.5.3a							
EO-25	Educate the public about invasive species infestations and how to prevent further spread.	2 outreach efforts/year	\$1,000/ outreach effort	\$20,000	E	<u>SWCD</u> , County, DNR	Ongoing							HR.1.3a HR.1.3b HR.2.2b					
EO-26	Work with 1 community annually to implement urban stormwater BMPs to address peak flow rates, sediment, and nutrient loading.	1 community/ year	\$2,000/year	\$20,000	E	<u>City</u> , County, SWCD, MPCA	Ongoing											LS.1.1b	
EO-27	Conduct outreach efforts on the fragmentation of high-quality habitat and voluntary conservation programs to restore these habitats.	2 outreach efforts/year	\$1,000/ outreach effort	\$20,000	E	<u>SWCD</u> , County, DNR	Ongoing							HR.2.1a					
EO-28	Hold 1 educational outreach effort annually to promote implementation of nutrient management practices.	1 outreach effort/year	\$1,000/ outreach effort	\$10,000	E	<u>County</u> , SWCD, MDA, MDH	Ongoing				SW.3.1c		GW.1.1c Gw.1.1d						
EO-29	Promote the implementation of whole-farm and nutrient management practices to improve farm profitability and reduce nitrogen loss.	1 outreach effort/year	\$1,000/ outreach effort	\$10,000	E	<u>SWCD</u> , County, MDA, MDH	Ongoing						GW.1.1c					LS.2.1a	

Action #	Goal-Related Actions	Unit	Unit Cost	Total 10-Year Cost (\$)	Funding Level (Baseline - B, Enhanced - E)	Responsibility - Lead (underlined) & Partner(s)	Timeline					Goal # by Resource Concern							
							2020-21	2022-23	2024-25	2026-27	2028-29	Agricultural Drainage Systems	Lakes	Rivers and Streams	Wetlands	Surface Runoff and Flooding	Groundwater Quality & Quantity	Habitat (Aquatic and Terrestrial)	Recreation
EO-30	Continue to identify programs and opportunities for growers to test and implement new nitrogen practices, innovative technology or cropping systems that protect groundwater quality that prevent or reduce nitrogen loss (e.g., cover crops, alternative crops, precision ag / new technologies, nutrient management initiative, etc.)	1 outreach effort/year	\$1,000/ outreach effort	\$10,000	E	<u>County</u> , SWCD, MDA	Ongoing								GW.1.1c Gw.1.1d				
EO-31	Hold 1 outreach effort annually for the public to learn current successes and issues with groundwater use and groundwater recharge.	1 outreach effort/year	\$1,000/ outreach effort	\$10,000	E	<u>County</u> , SWCD, MDA, DNR, MDH	Ongoing								GW.2.1b				
EO-32	Promote the recreational use of natural resources.	Ongoing Marketing	\$1,000/year	\$10,000	E	<u>County</u> , SWCD, DNR	Ongoing										HR.3.1a		
EO-33	Conduct annual outreach to encourage residents to adopt urban conservation BMPs and water reuse practices.	Ongoing Marketing	\$1,000/year	\$10,000	E	<u>City</u> , County, SWCD, MPCA	Ongoing												LS.1.1b
EO-34	Conduct 1 outreach effort annually to educate producers about existing manure management ordinances, describe BMPs, and encourage producers to update their Manure Management Plan annually.	1 outreach effort/year	\$1,000/year	\$10,000	E	<u>SWCD</u> , County, MPCA	Ongoing												LS.2.3b
				Total 10-Year Cost	\$592,000														

Table 6-8 Regulatory and Administration Program

Action #	Goal-Related Actions	Unit	Unit Cost	Total 10-Year Cost (\$)	Responsibility - Lead (bolded) & Partner(s)	Timeline					Goal # by Resource Concern														
						2020-21	2022-23	2024-25	2026-27	2028-29	Agricultural Drainage Systems	Lakes	Rivers and Streams	Wetlands	Surface Runoff and Flooding	Groundwater Quality & Quantity	Habitat (Aquatic and Terrestrial)	Recreation	Public Awareness	Stewardship (Urban, Rural, and Shoreland)					
R-1	Coordinate with Drainage Authorities to identify and prioritize MPDM during Plan and Schedule development.			<i>N/A: Existing Budget</i>	County , SWCD, Drainage Authority						Ongoing	SW.1.1a													
R-2	Provide financial and technical assistance to implement MDPDM practices.			<i>N/A: Existing Budget</i>	County , SWCD, Drainage Authority						Ongoing	SW.1.1b													
R-3	Develop a local drainage project coordination team to identify drainage systems in need of repair and conservation practice implementation.			<i>N/A: Existing Budget</i>	County , SWCD, Drainage Authority						Ongoing	SW.1.2a													
R-4	Administer zoning regulations to preserve and restore the natural shoreland areas.			<i>N/A: Existing Budget</i>	County , DNR						Ongoing		SW.2.1a SW.2.1b										HR.1.1a HR.2.1a		
R-5	Enforce feedlot riparian setback requirements.			<i>N/A: Existing Budget</i>	County , MPCA						Ongoing													LS.2.3a	
R-6	Administer the County Feedlot Program.			<i>N/A: Existing Budget</i>	County , SWCD, MPCA						Ongoing													LS.2.3a	
R-7	Enforce field manure application requirements.			<i>N/A: Existing Budget</i>	County , MPCA						Ongoing													LS.2.3a	

Action #	Goal-Related Actions	Unit	Unit Cost	Total 10-Year Cost (\$)	Responsibility - Lead (bolded) & Partner(s)	Timeline					Goal # by Resource Concern								
						2020-21	2022-23	2024-25	2026-27	2028-29	Agricultural Drainage Systems	Lakes	Rivers and Streams	Wetlands	Surface Runoff and Flooding	Groundwater Quality & Quantity	Habitat (Aquatic and Terrestrial)	Recreation	Public Awareness
R-8	Enforce state stream buffer requirements.			<i>N/A: Existing Budget</i>	County , SWCD, BWSR		Ongoing												
R-9	Implement and enforce applicable county ordinances and the Wetland Conservation Act (WCA) to retain wetland quantity, function, and value, and investigate WCA consistency to assess the possibility of shared services.			<i>N/A: Existing Budget</i>	County , SWCD, BWSR		Ongoing					SW.4.1a							
R-10	Implement well set back rules by ordinance.			<i>N/A: Existing Budget</i>	County , SWCD, DNR, MDH		Ongoing							GW.1.2a					
R-11	Implement Wellhead Protection Areas and prioritize the protection of DWMSAs			<i>N/A: Existing Budget</i>	County , City, MDH		Ongoing							GW.1.2a					
R-12	Adhere to Minnesota Statutes and Rules pertaining to invasive species (Minnesota Statute 84D and Minnesota Rules 6216) and the Noxious Weed Law (Minnesota Statutes Sections 18.76 to 18.91).			<i>N/A: Existing Budget</i>	County , Townships, City		Ongoing								HR.2.2a HR.2.2b				
R-13	Administer Minn. R. Chapter 7080 through 7083 and local county ordinances to manage SSTS and implement a loan program for SSTS upgrade to protect surface and groundwater quality.			<i>N/A: Existing Budget</i>	County , SWCD, MPCA, MDA		Ongoing												LS.2.2a

Table 6-9 Operations and Maintenance Implementation

Action #	Goal-Related Actions	Unit	Unit Cost	Total 10-Year Cost (\$)	Responsibility - Lead (bolded) & Partner(s)	Timeline					Goal # by Resource Concern								
						2020-21	2022-23	2024-25	2026-27	2028-29	Agricultural Drainage Systems	Lakes	Rivers and Streams	Wetlands	Surface Runoff and Flooding	Groundwater Quality & Quantity	Habitat (Aquatic and Terrestrial)	Recreation	Public Awareness
OM-1	Continue to implement ditch repair and inspection programs.	<i>N/A: Existing Budget</i>			County , SWCD, Drainage Authority	Ongoing					SW.1.1a SW.1.1b								
OM-2	Coordinate with counties to identify where infrastructure repair/upgrades should be prioritized.	<i>N/A: Existing Budget</i>			County , SWCD, DNR	Ongoing							SW.3.3a						
OM-3	Pursue RIM and CREP opportunities to expand existing riparian buffers.	<i>N/A: Existing Budget</i>			County , SWCD, NRCS	Ongoing							SW.3.4a						
OM-4	Manage public access sites for invasive and nuisance species and coordinate efforts in rapid response and access inspections.	<i>N/A: Existing Budget</i>			County , SWCD, DNR	Ongoing										HR.1.3			
OM-5	Pursue funding to support construction of new BMPs and enhancements of existing BMPs that expand stormwater management capacity.	<i>N/A: Existing Budget</i>			City , County , SWCD, MPCA	Ongoing													LS.1.1a
OM-6	Encourage and promote low-impact development techniques and methods.	<i>N/A: Existing Budget</i>			City , County , SWCD, MPCA	Ongoing													LS.1.1a