

Agricultural Land Management Actions

What		Where	Who	When					Tracking	Cost		
Action	Program	10-year Outcome	Priority Areas	Lead(s)	2027-2028	2029-2030	2031-2032	2033-2034	2035-2036	Output for goal tracking	Funding	Total 10-year cost
Agricultural BMPs <i>Cover crops, reduced tillage, nutrient management, buffer strips, etc.</i>		830 acres treated together with "Livestock BMPs" action	Cultivated cropland (Figure 4.4)	SWCDs, NRCS, MDA	•	•	•	•	•	<input checked="" type="checkbox"/>	Base & WBIF	
Livestock BMPs <i>Rotational grazing, alternative water systems, access control, nutrient management, stream crossings and fencing, livestock exclusion fencing, pasture management, waste management practices, etc.</i>		830 acres treated together with "Agricultural BMPs" action	Pasture/Hay Lands (Figure 4.4)	SWCDs, NRCS	•	•	•	•	•	<input checked="" type="checkbox"/>	Base & WBIF	
Agricultural Water Quality Certification <i>Enroll farms.</i>		5 farms	Agricultural Lands (Figure 4.4)	MDA, SWCDs, NRCS	•	•	•	•	•	<input type="checkbox"/>	Other	
Outreach & Education <i>Outreach to private landowners, outreach to smaller land owners, workshops, youth education, identify marginal agricultural lands, etc.</i>		One workshop per year	Watershed-wide	Counties, SWCDs	•	•	•	•	•	<input type="checkbox"/>	Base & WBIF	
Total BASE and WBIF Funding												
Total OTHER Funding												

Hydrologic Connectivity & Storage Actions

What			Where	Who	When					Tracking	Cost	
Action	Program	10-year Outcome	Priority Areas	Lead(s)	2027-2028	2029-2030	2031-2032	2033-2034	2035-2036	Output for goal tracking	Funding	Total 10-year cost
Enhance Peatland & Wetland Connectivity <i>Culvert replacements and related practices (e.g. flow management) to restore hydrology through peatlands, forests, and wetlands.</i>		5 culvert replacements /projects	Watershed-wide	Counties, DNR, SWCDs, MNDOT				•	•		Base & WBIF	
Enhance Stream Connectivity <i>Enhance connectivity for fish and sediment passage.</i>		2 projects	Watershed-wide	DNR, Counties, SWCDs, MNDOT				•	•		Other	
Wetland Conservation Act (WCA)		Implement Program	Watershed-wide	BWSR, SWCDs, Counties, Municipalities, DNR	•	•	•	•	•		Base	
Wild Rice Protection <i>Sulfate monitoring, invasive species management, water level management.</i>		Increased protection of wild rice	Lakes and streams with wild rice	SWCDs, Counties, BWSR	•	•	•	•	•		Base & Other	
Culvert Inventory for Forest Roads <i>Inventory for areas where hydrology is bisected by forest roads and can be restored.</i>		Complete inventory	Figure 4.5	SWCDs, Counties, DNR			•	•	•		WBIF	
Wetland Banking <i>Encourage and maintain wetland banking.</i>		Maintain access to wetland bank service area	Watershed-wide	Counties, SWCDs, BWSR	•	•	•	•	•		Base & WBIF *	
Flood Study and Plan <i>Feasibility study and risk assessment for designing flood damage reduction for communities.</i>		1 study	City of Cook	Cook							Base & WBIF Other	
Coordinate with Road Authorities <i>On road, ditch, and culvert replacement projects, ATV club; consolidate highway department data. Culvert inventory.</i>		Biennial trainings	Watershed-wide	DNR, SWCDs, Counties		•		•			Base	
Outreach & Education <i>Education on wetlands, wetland banking, peatlands, water storage.</i>		One outreach event(s) per year	Watershed-wide	SWCDs, Counties	•	•	•	•	•		Base & WBIF	
Total BASE and WBIF Funding												
Total OTHER Funding												

Erosion Management Actions

What		Where	Who	When					Tracking	Cost		
Action	Program	10-year Outcome	Priority Areas	Lead(s)	2027-2028	2029-2030	2031-2032	2033-2034	2035-2036	Output for goal tracking	Funding	Total 10-year cost
Sediment Reduction Feasibility Study <i>Feasibility of known sites to understand what projects to implement and where to reduce turbidity in the Little Fork River.</i>		1 study	Watershed-wide	Counties, DNR, SWCDs				•	•	<input checked="" type="checkbox"/>	Base & WBIF	
Streambank and Lakeshore Stabilization <i>Stabilize streambanks and shorelines, drainage, and gullies, natural vegetation, BMPs, in-channel stabilization, aquatic vegetation, tree planting including considerations for EAB and ELB, riparian shading, grade control.</i>		500 feet of enhancement	Figure 4.6, Priority Lakes	SWCDs, Counties, NRCS, Cities, DNR		•	•	•	•	<input checked="" type="checkbox"/>	Base & WBIF	
Shoreline Ordinance <i>Continue to implement ordinances and increase funding; update ordinances as needed, see detailed comparison between counties in Section 5. Update as needed.</i>		Counties and City Ordinances	Watershed-Wide	Counties, Cities, SWCDs, Townships, Associations	•	•	•	•	•	<input type="checkbox"/>	Base & WBIF	
Buffer Law <i>Perennial vegetative buffers of up to 50 feet along lakes, rivers, and streams and buffers of 16.5 feet along public ditches.</i>		100% compliance	Watershed-wide	Counties, SWCDs, BWSR, Cities	•	•	•	•	•	<input type="checkbox"/>	Base	
Stream Channel Restoration <i>Explore feasibility study and restoration of the Nett Lake outlet.</i>		Feasibility study	Nett Lake	Bois Forte, BWSR, SWCDs				•	•	<input type="checkbox"/>	Base & WBIF, Other	
AIS Prevention & Management <i>Monitoring, inspection, treatment of AIS, outreach.</i>		Implement AIS Plans	Watershed-Wide	Counties, SWCDs, DNR, 1854 Treaty Authority, Tribes	•	•	•	•	•	<input type="checkbox"/>	Base & Other	
Water Quality Monitoring <i>TSS, transparency, fish, water quality, macroinvertebrates in streams, modeling.</i>		Data to track improvement, WRAPS	Priority Areas	SWCDs, MPCA, DNR		•	•	•	•	<input type="checkbox"/>	Other	
Data Collection <i>Determine areas where beaver ponds are exacerbating erosion of gullies to the Little Fork River. Sturgeon spawning maps. Updated LiDAR data analysis.</i>		Data set	Watershed-Wide	SWCDs, MPCA, DNR	•	•				<input type="checkbox"/>	Base & WBIF	
Outreach & Education <i>Erosion prevention outreach events for landowners and renters etc. aimed at protecting and maintaining shorelines / streambanks, recognition and promotion of landowner protected areas, youth outreach.</i>		One outreach event per year	Watershed-wide	SWCDs, Counties, DNR, MPCA, Cities	•	•	•	•	•	<input type="checkbox"/>	Base & WBIF	
Total BASE and WBIF Funding												
Total OTHER Funding												

Forest Management Actions

What			Where	Who	When					Tracking	Cost	
Action	Program	10-year Outcome	Priority Areas	Lead(s)	2027-2028	2029-2030	2031-2032	2033-2034	2035-2036	Output for goal tracking	Funding	Total 10-year cost
Forest Stewardship Plans <i>Management plans on private parcels, small parcel management including riparian areas.</i>		75 plans written; 10,000 acres managed	Figure 4.7	SWCDs, DNR, Consultants, BWSR, Cities	•	•	•	•	•	<input checked="" type="checkbox"/>	Base & WBIF	
Noxious Weeds & Terrestrial Invasive Species Management <i>Coordinate invasive species management/monitoring activities on private land, Noxious Weed Program.</i>		Maintain current programs	Watershed-wide	SWCDs, DNR, Counties, NRCS, Cities	•	•	•	•	•	<input type="checkbox"/>	Base & WBIF	
Coordination of Forest Management <i>Coordination amongst private, local, state, and federal entities.</i>		Enhanced Coordination	Watershed-wide	SWCDs, Counties, DNR	•	•	•	•	•	<input type="checkbox"/>	Base	
Forest Health Management <i>Technical assistance and cost-share for practices related to water quality, such as Forest Stand Improvement, tree planting, Climate Assisted Migration, prescribed burning, EAB and ELB risk planning and mitigation, wildfire response, coordinate harvesting for forest age diversity, implementation of MFRC site level BMPs.</i>		1,000 acres	Watershed-wide	SWCDs, NRCS, Counties, Cities, DNR	•	•	•	•	•	<input type="checkbox"/>	Base & WBIF	
Forest and Land Conservation <i>SFIA, conservation easements, Reinvest in Minnesota (RIM) easements on priority private uplands, riparian, and shorelands, wild rice protection.</i>		1,000 acres	Figure 4.7	SWCDs, BWSR, DNR, Cities	•	•	•	•	•	<input checked="" type="checkbox"/>	Other	
Small Parcel Management <i>Development of a local program for parcels smaller than 20 acres.</i>		Develop program, manage 100 acres	Watershed-Wide	SWCDs, DNR, Consultants, Counties, BWSR		•	•	•	•	<input type="checkbox"/>	WBIF Other	
Outreach & Education <i>Local foresters, workshops, tourism, stewardship programs, invasive species identification.</i>		One outreach event per year	Watershed-wide	SWCDs, DNR, NRCS, BWSR, Counties, Cities	•	•	•	•	•	<input type="checkbox"/>	Base	
Total BASE and WBIF Funding												
Total OTHER Funding												

Drinking Water Protection Actions

What			Where	Who	When					Tracking	Cost	
Action	Program	10-year Outcome	Priority Areas	Lead(s)	2027-2028	2029-2030	2031-2032	2033-2034	2035-2036	Output for goal tracking	Funding	Total 10-year cost
Seal Abandoned Wells <i>Through cost share programs and outreach to increase watershed participation.</i>		Seal 10 unused wells	Figure 4.8	MDH, SWCDs, Counties, NRCS	•	•	•	•	•		Base & WBIF	
Well Screening <i>Testing clinics for private wells for potential contaminants (e.g. nitrate, bacteria, arsenic, manganese, lead, chloride), cost shares.</i>		Biannual well testing clinic	Figure 4.8	Counties, MDA, SWCDs, MDH	•	•	•	•	•		Base & WBIF	
Subsurface Sewage Treatment Systems (SSTS) <i>Cost share and low interest loans to replace noncomplying systems, grey water systems, training, RV dumping stations.</i>		Replace 100 Septic Systems	Watershed-Wide, Focus Lakes and Streams	Counties, SWCDs, MDH, MPCA	•	•	•	•	•		WBIF & Other	
SSTS Ordinance <i>Enforce SSTS ordinances for greater compliance, increase effective administration of ordinances.</i>		All Counties	Watershed-Wide	Counties, MPCA, SWCDs	•	•	•	•	•		Base & WBIF	
Solid Waste Management Improvement Projects <i>Implementation of projects for landfill management.</i>		2 projects implemented	Watershed-wide	Counties, MPCA		•		•			Base & WBIF	
Data Collection <i>Inventory active and abandoned wells in the watershed, county geologic atlas.</i>		Completed inventories	Watershed-wide	Counties, MPCA	•	•	•	•	•		Base & WBIF	
Outreach & Education <i>Septic system maintenance, wellhead protection, solid waste, household hazardous waste, outreach on surface water drinking safety, septic system maintenance in relation to private drinking wells. Especially focus on arsenic.</i>		One workshop per year	Watershed-wide	Counties, SWCDs, MDH	•	•	•	•	•		Base & WBIF	
Total BASE and WBIF Funding												
Total OTHER Funding												

Stormwater Management Actions

What		Where	Who	When					Tracking	Cost		
Action	Program	10-year Outcome	Priority Areas	Lead(s)	2027-2028	2029-2030	2031-2032	2033-2034	2035-2036	Output for goal tracking	Funding	Total 10-year cost
Stormwater Management Plans <i>Stormwater management plans for cities and concentrated development, Side Lake.</i>		2 stormwater plans	Littlefork and Cook; Figure 4.9	Cities, Counties, SWCDs		●	●	●	●	<input checked="" type="checkbox"/>	Base & WBIF	
Municipal & Road Stormwater Projects <i>Stormwater plan projects, stormwater treatment, retention basins, biofiltration, smart road projects, street sweeping, etc.</i>		4 stormwater projects	Littlefork, Cook, Roads, Concentrated Development	Cities, Counties, SWCDs, MNDOT				●	●	<input checked="" type="checkbox"/>	Base & WBIF	
Stormwater Permits <i>Provide technical assistance for stormwater design.</i>		Assistance provided for 10 designs	Littlefork and Cook, Counties	MPCA, Cities, Counties		●	●	●	●	<input type="checkbox"/>	Base	
Chloride Management <i>Smart salting, salt storage facility BMP, education, demonstrations, chloride alternatives.</i>		Assist cities with plans and cost share for salt use	Littlefork and Cook, Counties	Cities, Counties, SWCDs		●	●	●	●	<input type="checkbox"/>	Base & WBIF	
Non-Municipal Stormwater Projects <i>Implementation of landowner stormwater BMPs e.g. raingardens, home drainage and low interest loans, sewer lateral projects, gutter downspouts, small parcel stormwater, etc.</i>		50 projects	Littlefork and Cook, Figure 4.9	Counties, SWCDs, Cities, MPCA	●	●	●	●	●	<input type="checkbox"/>	Base & WBIF	
Emergency Response Plans <i>Reviewing and updating emergency response plans (as needed) for hazardous spills, railroad corridors, fires suppressants, etc.</i>		Implement County Emergency Response Plans	Watershed-wide	County, HSEM, MPCA	●	●	●	●	●	<input type="checkbox"/>	Base	
Outreach & Education <i>Outreach to private landowners, smart salting, workshops, youth education, etc. Relationship building within small non-MS4 communities.</i>		One workshop per year	Watershed-wide	County, SWCD	●	●	●	●	●	<input type="checkbox"/>	Base & WBIF	
Total BASE and WBIF Funding												
Total OTHER Funding												