

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 cops, reduced tillage, nutrient management, buffer strips, etc.</i> |  | 830 acres treated together with "Livestock BMPs" action | Cultivated cropland (Figure 4.4) | SWCDs, NRCS | ● | ● | ● | ● | ● | <input checked="" type="checkbox"/> | Base & WBIF | |
| Livestock BMPs <i>Stream bank stabilization, 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 | ● | ● | ● | ● | ● | <input type="checkbox"/> | Other | |
| Outreach & Education <i>Outreach to private landowners, outreach to smaller land owners, smart salting, workshops, youth education, etc.</i> |  | One workshop per year | Watershed-wide | Counties, SWCDs | ● | ● | ● | ● | ● | <input type="checkbox"/> | Base & WBIF | |
| Total BASE and WBIF Funding | | | | | | | | | | | | |
| Total OTHER Funding | | | | | | | | | | | | |

Agricultural Land Targeting Map

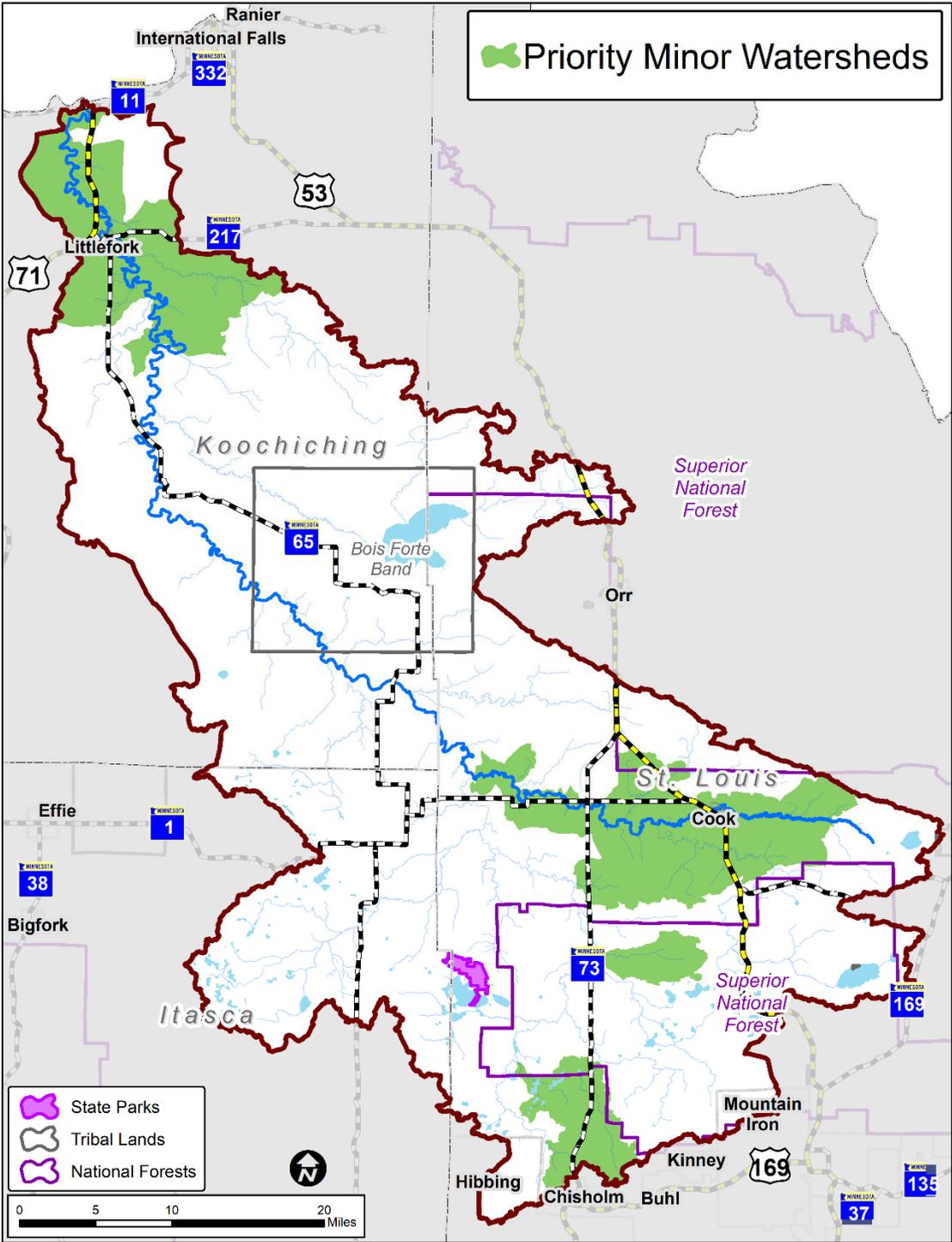


Figure 4.4 Targeting map for agricultural practices.



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 Connectivity <i>Culvert replacements to restore hydrology through peatlands, forests, and wetlands.</i> | | 5 culvert replacements | Watershed-wide | Counties, DNR, SWCDs, MNDOT | | | | • | • | | Base & WBIF | |
| Enhance Stream Connectivity <i>Enhance connectivity for fish 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.</i> | | Increased protection of wild rice | Lakes and streams with wild rice | SWCDs, VNP, 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.</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 | | | | | | | | | | | | |
| | | | | | | | | | | | | |

*Any project that contributes to or otherwise is used to replace wetlands impacted under the WCA per MN Rules 8420 is ineligible for WBIF.

Hydrologic Connectivity and Storage Targeting Map

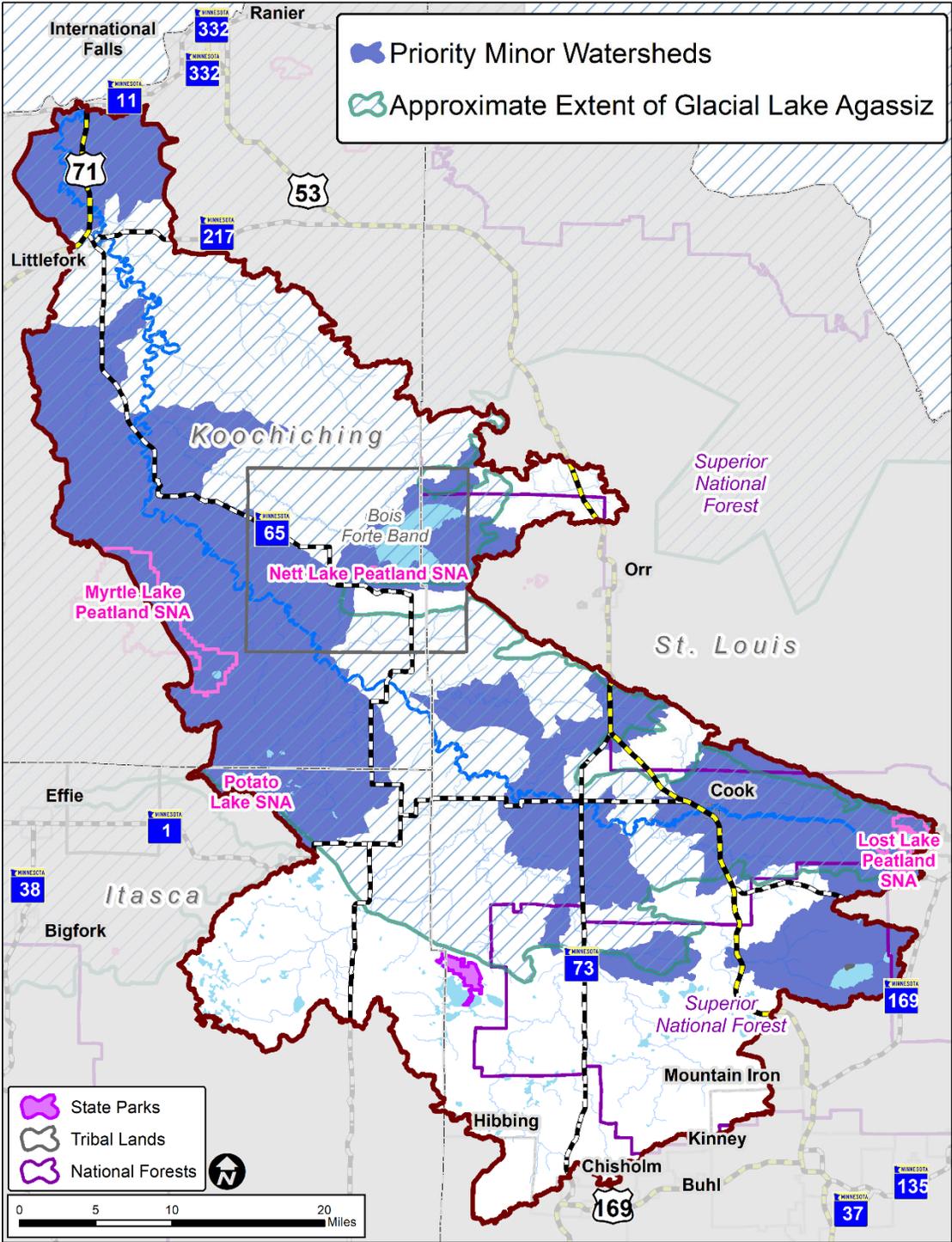


Figure 4.5 Targeting map for hydraulic connectivity and storage. Nd shore



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 study 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, in-channel stabilization, aquatic vegetation, tree planting including considerations for Emerald Ash Borer and Eastern Larch Beetle, 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.</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.</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 | | | | | | | | | | | | |

Stream Erosion Targeting Map

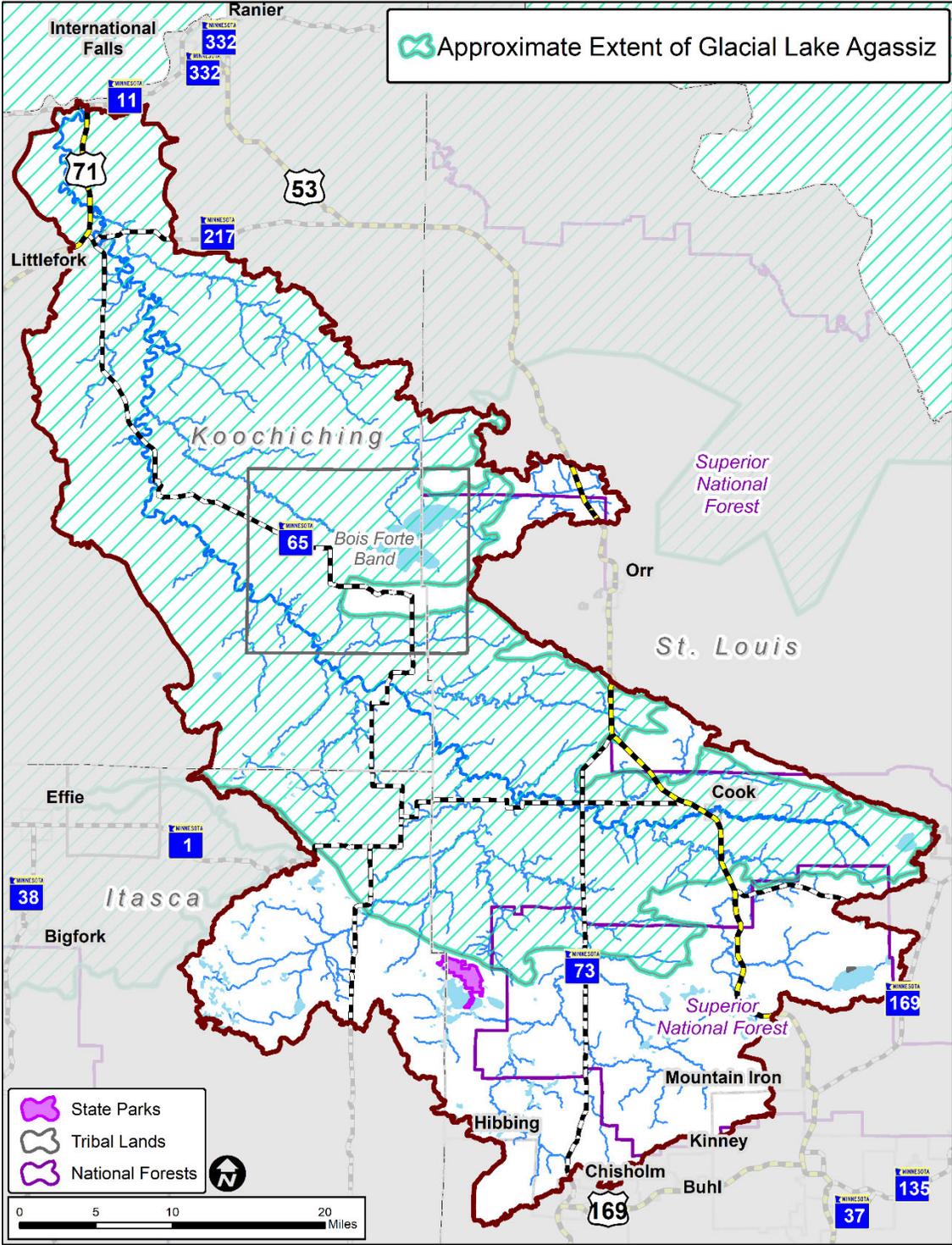


Figure 4.6 Targeting map for erosion management.



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 | | Enhanced Coordination | Watershed-wide | SWCDs, Counties, DNR | ● | ● | ● | ● | ● | <input type="checkbox"/> | Base | |
| Forest Health Management <i>Technical assistance and cost-share for practices 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>Explore options for developing 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 | | | | | | | | | | | | |

Forest Management Targeting Map

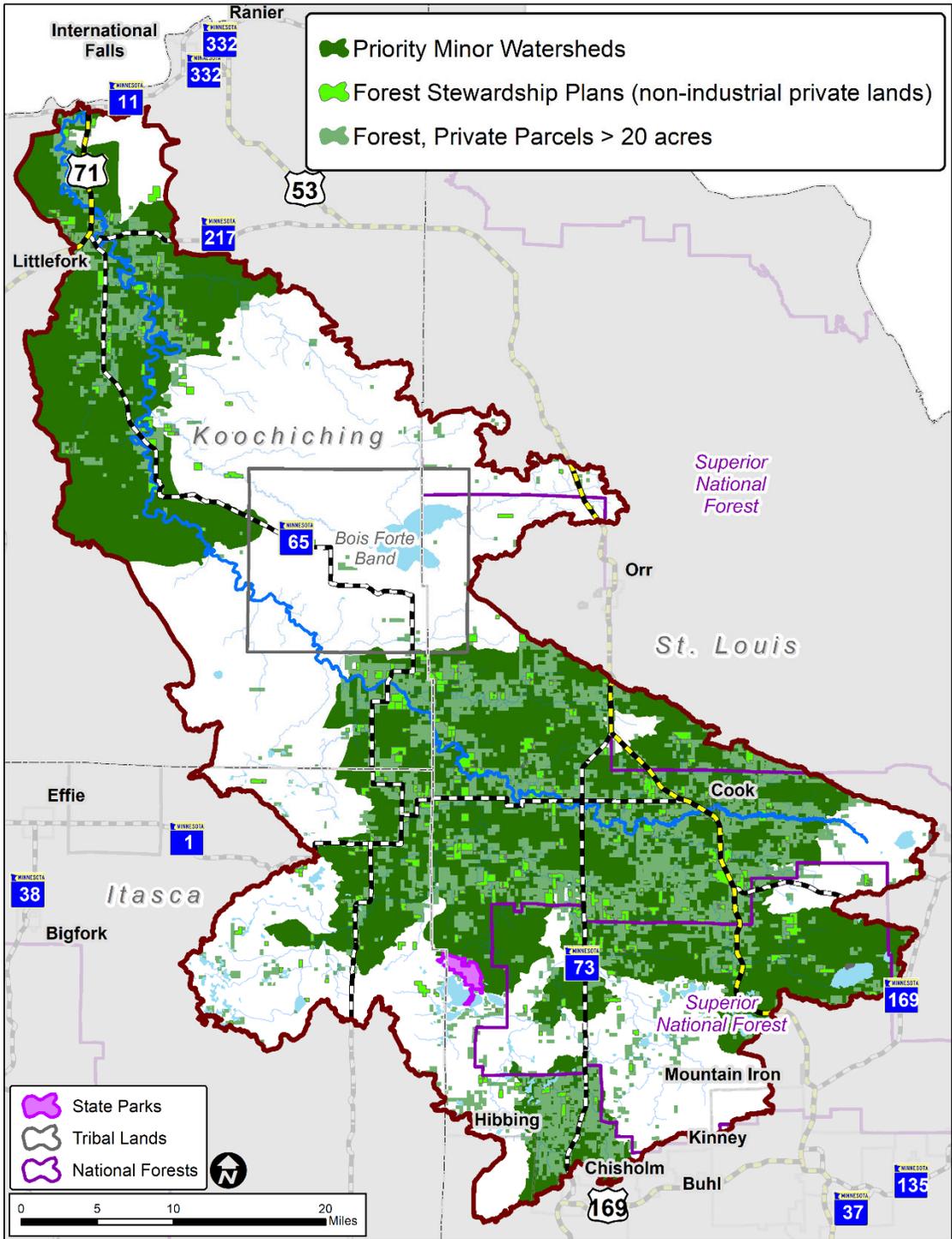


Figure 4.7 Targeting map for forest management plans.



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> | | One well testing clinic per year | 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</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.</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 | | | | | | | | | | | | |

Drinking Water Protection Targeting Map

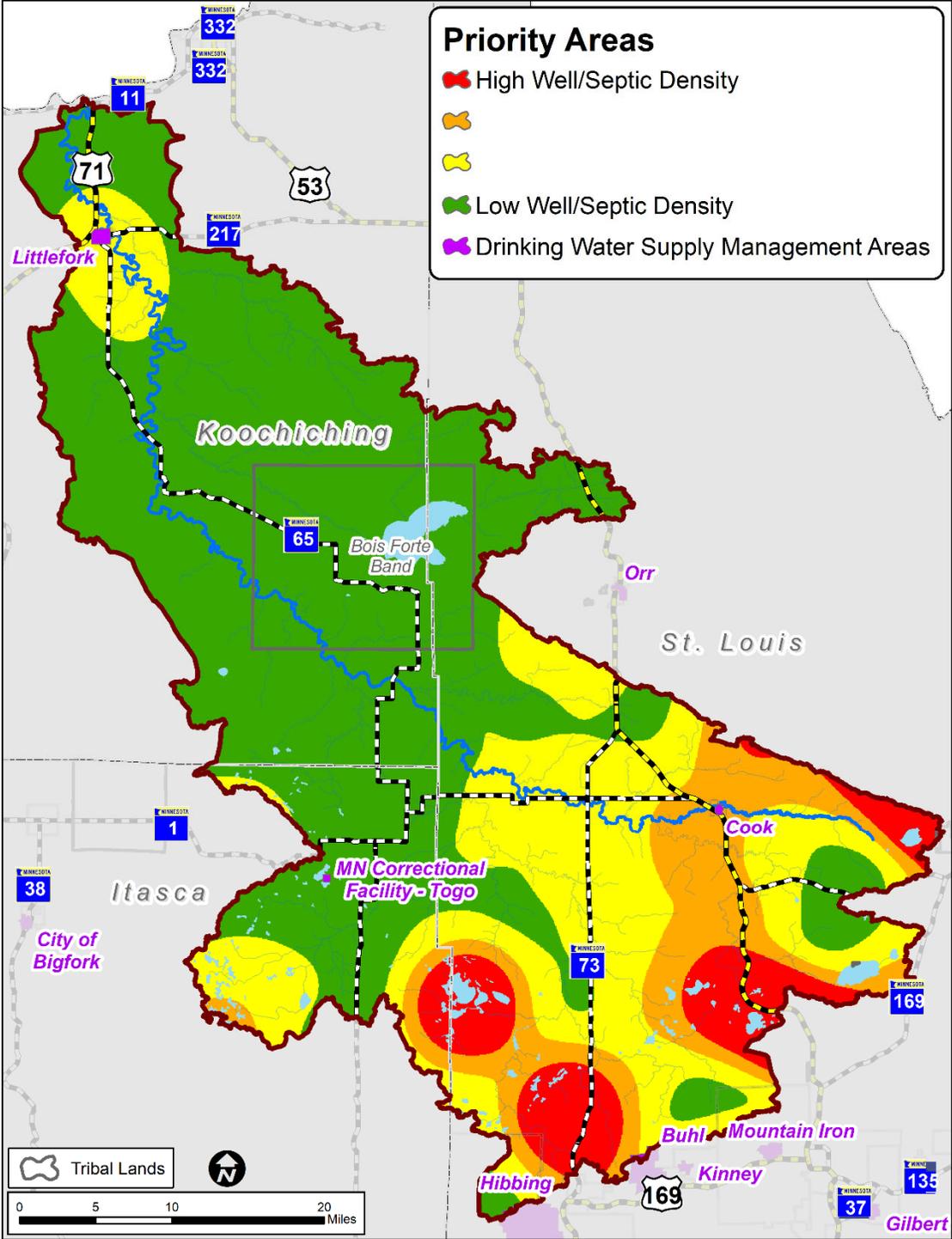


Figure 4.8 Targeting map for drinking water protection.



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 | 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, Counties | 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.</i> | | One workshop per year | Watershed-wide | County, SWCD | • | • | • | • | • | <input type="checkbox"/> | Base & WBIF | |
| Total BASE and WBIF Funding | | | | | | | | | | | | |
| Total OTHER Funding | | | | | | | | | | | | |

Stormwater Management Targeting Map

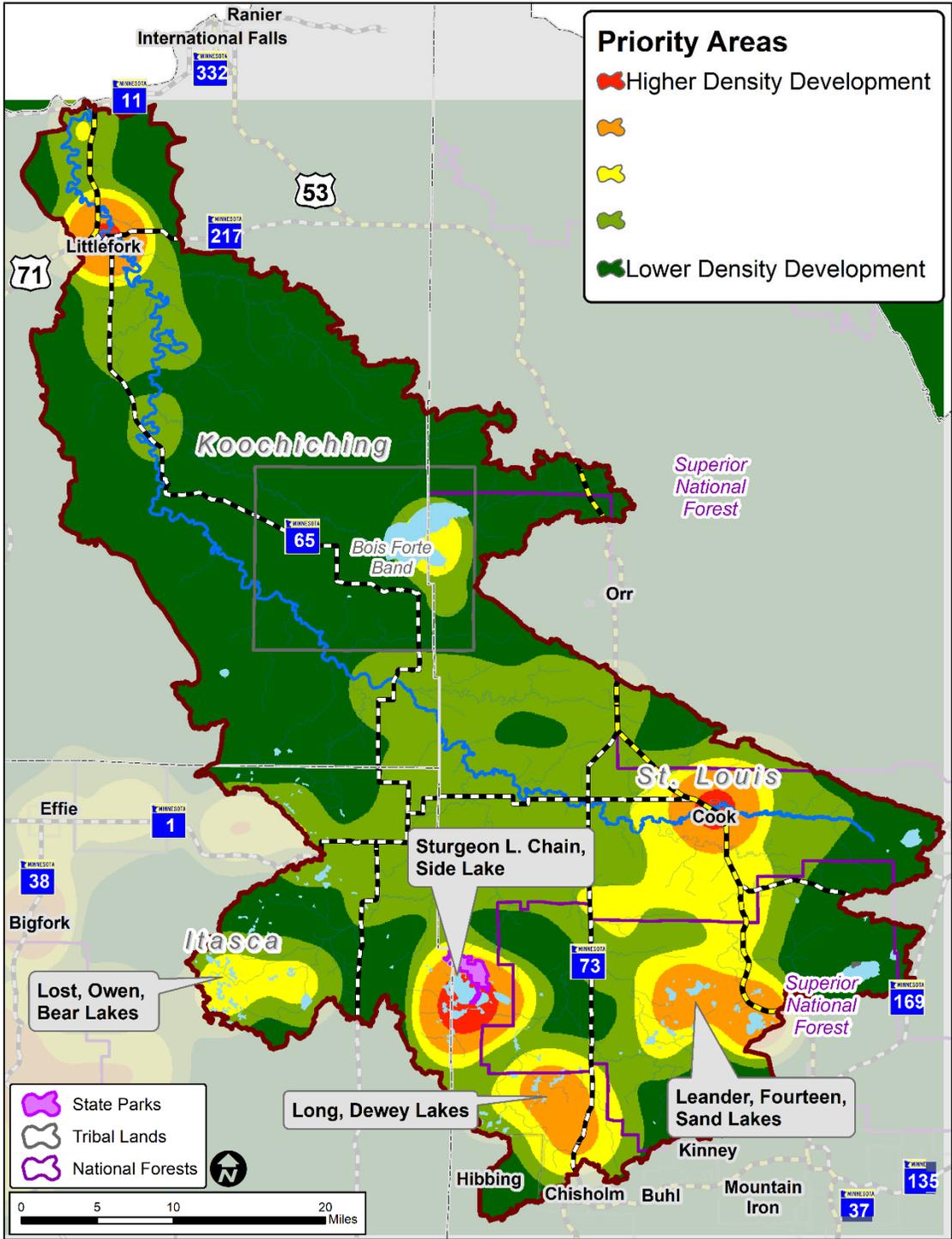


Figure 4.9 Targeting map for stormwater practices.

