



Nemadji Comprehensive Watershed Management Plan Goal Progress 2021

STREAM



10-Year Goal: Streams

Reconnect 46 miles of stream to benefit aquatic life, improve the road/stream interface and reduce sediment

Completed Actions

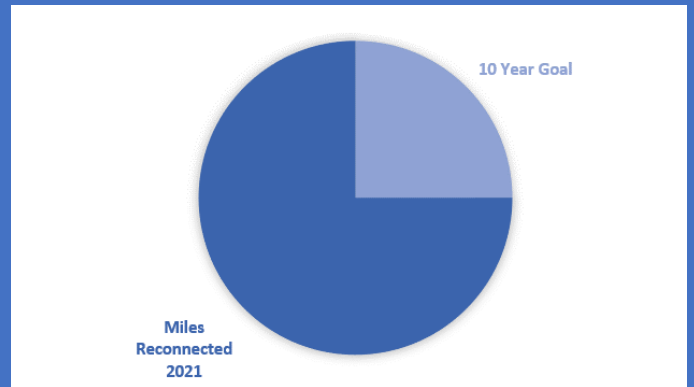
- 9 undersized culverts replaced
- 3 road/stream interface projects completed

Results

- 29 miles of stream reconnected
- 358 tons of sediment saved per year
- 379 pounds of phosphorous saved per year

Costs

- Approximately \$9,000,000



Photos of the Stateline Creek before and after construction in 2020



10-Year Goal: Farms

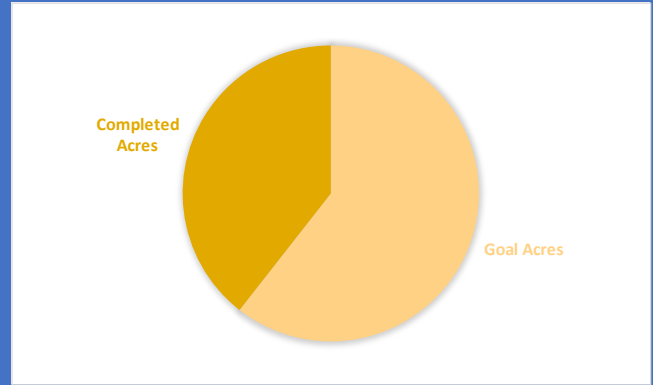
Increased land enhanced by agricultural best management practices by 4,401 acres

Completed Actions

- 120 Acres cover crops planted (WBIF) + 115 Acres (MDA, Landowner, Equipment Rental)
- 11 Acres of No Till (Landowner, Equipment Rental)
- 167.5 Acres Prescribed Grazing (MDA)
- 1285 Acres Nutrient Management (NRCS, MDA)
- **Total of 1736 acres completed**

Actions in Progress

- Met with 5 farmers to evaluate livestock operations
- 1 Livestock design complete with plans to construct in 2022
- Calculation of pollution reduction estimates from completed practices





10-Year Goal: Forests

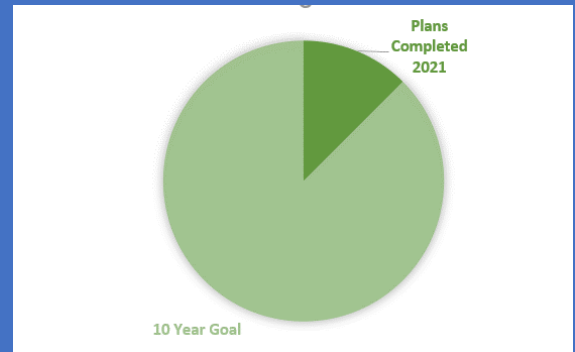
Increase forest management by 5,666 acres and complete 88 woodland stewardship plans in areas that have the most benefit to reducing peak flows and protecting drinking water

Completed Actions

- 11 Woodland Stewardship Plans Completed
- 586 planned acres
- 12 acres of forest management implemented

Costs

- Approximately \$9401



10-Year Goal: Protection

Increase protection by 1,717 acres in the most sensitive areas for habitat, lakes, springs, forests and drinking water

Completed Actions

- Spring inventory planned with MPCA partnership
- 546 eligible SFIA acres from new Woodland Stewardship Plans – opportunity for outreach



WETLANDS



10-Year Goal: Wetlands

Increase watershed storage 1,174 acre-feet through wetland restoration

Actions in progress

- Field evaluation of Mud Volcano site
- Wetland function field work planned (MPCA and Fond du Lac partners)
- Storage calculations from completed stream projects using Minnesota Stream Quantification Tool



10-Year Goal: Lakes

Enhance priority lakes by reducing phosphorous load by 5% and restoring the shoreline in 5% of parcels

Actions in progress

- Contractor workshop in planning for February 2022
- Outreach planning for winter 2022 – direct mailing prior to spring plant sale



10-Year Goal: Groundwater

Protect drinking water in areas of high pollution sensitivity by sealing 10 unused wells

Actions in progress

- Outreach planned for winter 2022
- Well database tool development planned for winter 2022