



# **Nemadji Comprehensive Watershed Management Plan Goal Progress 2022**

# STREAM



## 10-Year Goal: Streams

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

### Completed Actions

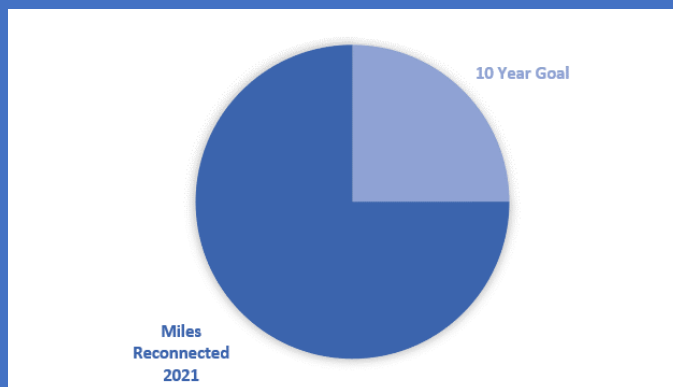
- 9 undersized culverts replaced
- 3 road/stream interface projects completed
- Design completed for 3 culverts
- Approximately \$9,000,000

### Results

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

### Actions In Progress 2023

- Clear Creek CSAH 4 – Enbridge Funding (\$800,000)
- Spring Creek County Road 104 – Enbridge Funding (\$80,000)
- Elim Creek CSAH 6 bridge – (\$2,000,000)



*Photos of the Stateline Creek before and after construction in 2020*



## 10-Year Goal: Farms

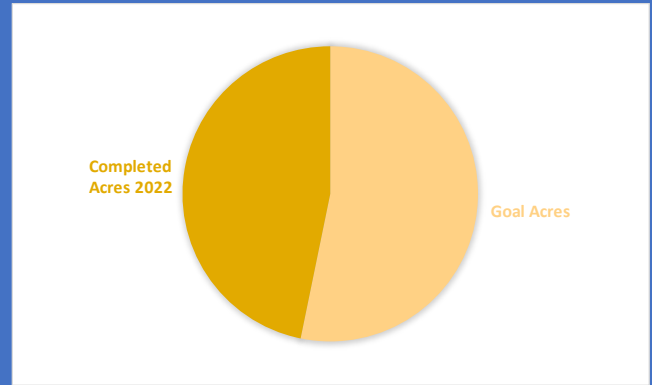
Increased land enhanced by agricultural best management practices by 4,401 acres

### Completed Actions

- 120 Acres cover crops planted (WBIF) + 238 Acres (MDA, Landowner, Equipment Rental)
- 106.5 Acres of No Till (Landowner, Equipment Rental)
- 167.5 Acres Prescribed Grazing (MDA)
- 1285 Acres Nutrient Management (NRCS, MDA)
- 1 Pipeline (MDA)
- **Total of 2059 acres completed**

### Actions in Progress

- Met with 5 farmers to evaluate livestock operations
- 2 Livestock design complete with plans to construct in 2023
- 2 Livestock designs in progress by consultant





## 10-Year Goal: Forests

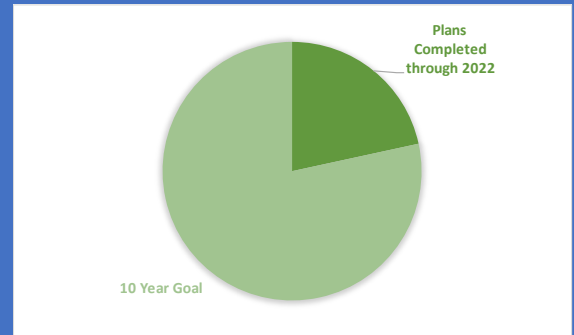
Increase forest management by 5,666 acres and complete 88 woodland stewardship plans in areas that have the most benefit to reducing peak flows and protecting drinking water

### Completed Actions

- 19 Woodland Stewardship Plans Completed
- 1376 planned acres
- 12 acres of forest management implemented

### Costs

- Approximately \$15,332



## 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

- New RIM program available
- Spring inventory planned with MPCA partnership
- SFIA Incentive Program – free Woodland Stewardship Plan with commitment of SFIA



## 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 restoration targeting work (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 held February 2022
- Outreach mailing for 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 2023
- Well database tool development in progress