

Stearns County Mississippi River Park

Streambank Stabilization



Practice:

Streambank Stabilization

Target Waters:

Mississippi River

Years Constructed:

2018 & 2019

Components:

- Field Stone Stream Barbs
- Toe Wood
- Cedar Tree Revetments
- Erosion Control Blanket
- Native Vegetation

Benefits:

- Sediment Reduction
- Habitat Restoration
- Water Quality
- Protect Property

Partners:

- Stearns County Parks
- Stearns County SWCD
- West Central TSA
- MN Conservation Corps

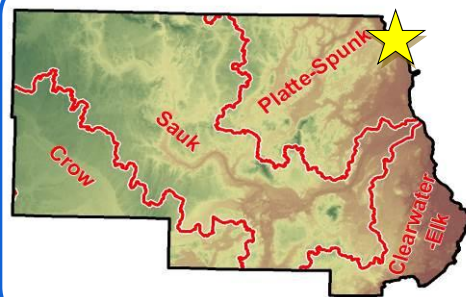
Watershed:

Upper Mississippi/Platte-Spunk

Project Description: The Stearns County Mississippi River Park had an eroded and degraded streambank. The Stearns County Parks Department and Stearns County SWCD worked together to implement a project that restored the area near the river and riparian habitat. This involved the creation of a Toe Wood Bench and associated components with native vegetation. The process involved integrating the placement of large cut trees with the roots attached along with brush to fill in any gaps. On top of the initial wood that is placed, soil lifts are incorporated that are wrapped with erosion control blanket. As the lifts are layered, live willow and dogwood cuttings were placed. On the final lift native sod is installed along with seed, erosion control blanket and native plantings of native grasses, wildflowers, trees and shrubs.

Pollution Reduction Estimates:

Phosphorus	75	Lbs/Yr
Sediment	75	Tons/Yr



Stearns County Soil and Water Conservation District
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Before Project Streambank Erosion



During Project Construction



Project Site Prior To Final Planting

The project at Mississippi River Park was many years in the making. The project came together because of the involvement from many partners to restore the river bank and associated habitat. The Stearns County Parks Department has shown outstanding commitment to this project along the Mississippi River. – Greg Berg, Stearns SWCD Lakeshed Specialist



Before Project Streambank Erosion



During Project Construction

Funding :

State Funds*	\$148,218
Landowner (Match)	\$ 13,751

* Administered by Stearns SWCD