

City of St. Cloud – Whitney Park

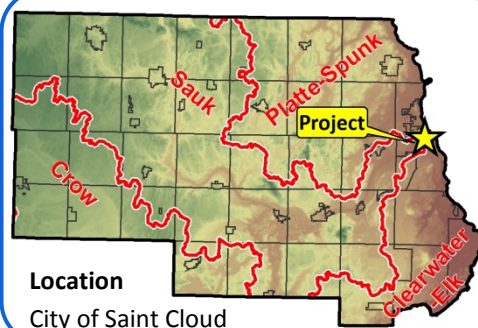
Dam Removal & Streambank Restoration



Project Description: The Whitney Park site on the Sauk River has a severely eroded outside bank. This steep slope along 450 feet of streambank has areas that are up to 30 feet in elevation. The City of St. Cloud approached the Stearns County SWCD for technical and financial assistance to address the problem. The SWCD, along with the West Central Technical Service Area, designed a low impact approach to stabilizing the streambank. This involves using field stone rock for stream barbs, and toe wood. In addition, when the slope is re-graded, native grasses and wildflowers will be seeded and planted from plugs. Trees and shrubs will also be planted from potted stock. The entire site will be hydro mulched or covered with erosion control blanket to ensure stabilization. As a part of the planning process, the low head dam in the river upstream of the slope failure was determined to be causing the problem and is scheduled to be removed.

Pollution Reduction Estimates:

Phosphorus	389 Lbs/Yr.
Sediment	388 Tons/Yr.



Practice:

Dam Removal &
Streambank Restoration

Target Waters:

Sauk River

Year Constructed:

In Process

Components:

- Field Stone Stream Barbs
- Toe Wood
- Sediment Logs
- Hydro Mulch

Benefits:

- Sediment Reduction
- Habitat Value
- Protect Property
- Water Quality Improvement

Partners:

- West Central TSA
- City of St. Cloud
- DNR

Watershed:

Sauk River Watershed

City of St. Cloud – Whitney Park Project

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Before Project – Failing Slope

"The coordination on this project to solve a major water resource concern was outstanding. Removing the dam to assist with a resource issue is no easy task"

– Greg Berg, SWCD Lakeshed Specialist



Before Project – Habitat Degradation

(Dam In Background)



Before Project – Failing Slope