

Green Lake 319

Near Shore Shoreline Restoration

Project Summary

This project is constructed on the shore of Green Lake in Isanti County. It is located on the southwest area of the lake, off of Nacre St., on private property. The goal of the project is to improve the health of Green Lake; it was placed at this specific location because the eroded shoreline was identified as the highest contributor of phosphorus to Blue Lake.

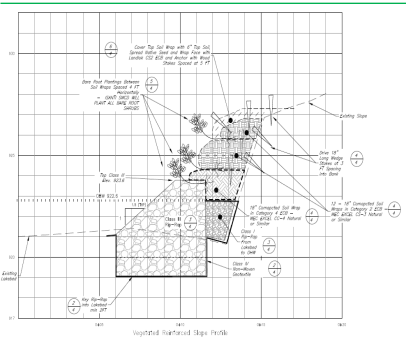
This project consists of restoring an estimated 825 sqft of shoreline. The majority of the project utilized bioengineering techniques to stabilize and restore a steep shoreline that had slumped over the years. The project will eliminate future sediment and phosphorus loading to Green lake, loss of shoreline, and negative affects to fish and wildlife habitat.

Funds to install the projects came from a grant obtained from the MN Pollution Control Agency and match dollars from landowners and the Green Lake Improvement District (GLID). This project would not be possible without the landowner's willingness to participate.

Before Installation-2021



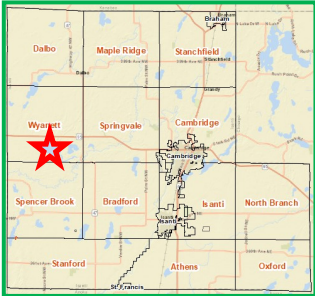
Slumping Shoreline.



Project Design



Exposed Tree Roots



Project Details

Target Water: Green Lake
Date installed: February 2022

Project Partners

Isanti SWCD
Green Lake Improvement District (GLID)
Isanti Sportsman's Club
Landowner

Project Funding

MPCA 319 \$18,187.50
Isanti Sportsman's: 312.50
Landowner: \$5,750
Total Project Cost: \$24,250

Pollution Reduction

Phosphorus: 4 pounds/yr

30-yr Average Cost/lb-TP: \$226

During/After Installation - 2022



Winter 2022 Construction



Winter 2022 construction



Completed Restoration

Isanti Soil and Water Conservation District
110 Buchanan St. North
Cambridge, MN 55008
763-689-3271
www.IsantiSWCD.org

