

LINWOOD LAKE SHORELINE RESTORATION GOLDSTRAND RESIDENCE, LINWOOD TWP, MN



Lakeshore Restoration



Project Summary

A lakeshore pollinator planting was completed on the north side of Linwood Lake at 6764 215 Ave NE. The project converted turf lawn to native species that benefit pollinators. This project was aimed at both long term lakeshore stability and near-shore habitat improvement. The owners have experienced shoreline erosion that has mostly been corrected with rock rip rap however ice heaving still occurs. Native plantings may reduce ice heaving and can conceal it when it occurs. Moreover, replacing turf grass with native plants offers pollinator habitat in a critical location: at the shoreline. This project planted an area of approximately 720 sq ft. The owner removed sod, installed plants and is maintaining the plantings. ACD provided project administration and design services.



Shoreline after planting. July 2022.

Project Specs

Date Installed 2021-2022
Shoreline Area Restored 720 sq ft.
Native Plants Installed.....180
Native Plant Species 24

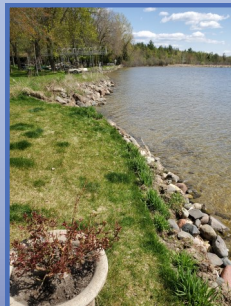
Project Cost

Materials\$617.33
Landowner Labor \$392.00
Project administration & design were provided by ACD.

Project Funding

ACD Cost-Share.....\$483.65
Landowner.....\$525.68
Total Project Funding \$1,009.33

Installation Process



Before: The shoreline was slumping and losing soil between previously installed rock. In addition to loss of real estate, shoreline erosion contributes nutrients that cause poor water quality including algae blooms.



After: Aquatic and shoreline plants were installed along 70 linear ft of shore to protect against waves & favor long term stabilization by vegetation. The owners removed sod and planted native plants to leave a larger unmowed shoreline buffer than in the past.