

ARVOLD-BECKSTROM LAKESHORE RESTORATION LINWOOD, MN



Lakeshore Restoration



Project Summary

A lakeshore restoration was completed on the Arvold-Beckstrom Martin Lake property in fall 2021. Prior to the project, the lakeshore was a failing mix of concrete and railroad tie retaining walls, & mowed turf grass. Retaining wall debris was removed, the shore graded to a stable slope, an rock rip rap installed. A 612 sq ft vegetated buffer of native plants was installed extending 8-16 ft from the water's edge into the yard. A small area of aquatic plants was included. At their own expense, the owners installed flagstone pavers to create quaint walking paths, as well as stone stairs. This project filters and infiltrates surface runoff and provides shoreline stabilization, increases wildlife habitat, & provides aesthetic appeal. Funding was from the landowner and the ACD cost-share program. ACD provided project administration, design services, and construction oversight. Project address: 22865 W Martin Lake Dr.



Project and owner after completion. October 2021.

Project Specs

Date InstalledOctober 2021
Shoreline Length Restored..... 100 ft.
Restored Buffer Area612 sq. ft.
Phosphorus reduction 2.8 lbs/yr
Sediment reduction5,625 lbs/yr

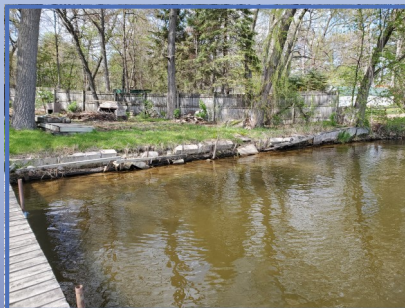
Project Cost

Construction \$17,351.75
Total Project Cost \$17,351.75
Design and coordination were provided by the ACD.

Project Funding

ACD Cost-Share.....\$13,238.81
Landowner..... \$4,412.94
Total Project Funding\$17,351.75
Additional items paid 100% by the owner included stairs & upsized flagstone pavers.

Installation Process



Pre-project, the lakeshore consisted of a failing concrete retaining wall in front of old railroad ties. Mowed grass was present to the top of the wall.



Flagstone pavers provided walking paths from the deck through the native plant buffer. The native plant buffer covers nearly 100% of the shoreline at least 8 feet landward.