

FAWN LAKE SHORELINE RESTORATION

DALE RESIDENCE, LINWOOD TWP, MN



Lakeshore Restoration



Project Summary

A lakeshore stabilization was completed on the east side of Fawn Lake at 24234 Rutgers St. The project corrected active erosion to benefit water quality and included large native plant buffer for near-shore habitat.

200 linear feet of shoreline was stabilized and planted. Coir (coconut fiber) logs were installed along shore. The logs provide protection from wave erosion, while the shoreline becomes fully vegetated. Thereafter, the plants provide shoreline protection. Above the waterline, the area was seeded with a native plant mix and supplemented with native plugs. The planting area was approximately 4,000 sq ft.

Fawn Lake is a high quality lake with a small watershed, so shoreline practices are important to maintaining its good condition. ACD provided project administration, design services, and project installation.



Project area. Installed June 2022.

Project Specs

Date Installed July 2022
Shore Length Restored..... 200 ln ft.
Native Planting Buffer4,000 sq ft
Native Plugs Installed715
Native Plant Species 39

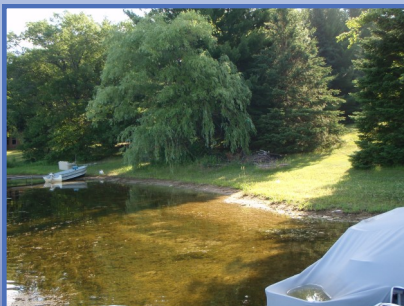
Project Cost

Materials\$6,088.00
Construction\$1,507.50
Project administration, design, and installation were provided by ACD.

Project Funding

ACD Cost-Share..... \$6,141.30
Landowner..... \$1,454.20
Total Project Funding\$7,595.50

Installation Process



Before: The shoreline had eroded and developed an ice ridge. Erosion was most significant at higher lake levels. Lower lake levels during the project offered an opportunity to stabilize while working above the water.



After: Coir logs were installed along 200 linear ft of shore at an elevation to intercept most lake water levels to favor long term stabilization by vegetation. A native seed mix was broadcasted, erosion blanket was installed on the slope and upland, shoreline and aquatic plants were planted.