Project Profile

Denman Lakeshore Restoration *Columbia Heights, MN*

Lakeshore Restoration

Project Summary

A lakeshore restoration was installed on the Denman's Silver Lake property during the summer of 2013 that provides aesthetic appeal, increases wildlife habitat, and improves lake water quality. Prior to the project, the lakeshore was actively eroding and little buffer existed between the lake and the mowed turf grass. To improve shoreline stability, an erosion control blanket and biolog were installed along 50 ft. of the shoreline exhibiting erosion. Along the homeowner's entire shoreline, 186 ft., a 12-16 ft. native-species buffer was planted with grasses, forbs, and shrubs. Funding was provided through a combination of landowner contributions, Rice Creek Watershed District (RCWD) water quality BMP cost-share, and dollars provided to the Anoka Conservation District (ACD) by RCWD to administer their cost-share. ACD provided project administration, design, and installation oversight.

Completed project in the fall of 2013.

Project Specs

Date Installed	June 2013
Shoreline Length Restored	50 ft
Restoration Type	Biolog
Sediment Reduction	500 lbs/yr

Project Cost

Administration, Design, and Installation Oversight	$1,606.00
Installation	$11,842.24
Total Project Cost	$13,448.24

Project Funding

RCWD Cost-Share	$5,000.00
RCWD	$1,606.00
Landowner Contribution	$6,842.24
Total Project Funding	$13,448.24

Installation Process

Pre-restoration conditions consisted of undercutting on the bank, leading to erosion. The lakeshore provided no benefits to water quality, wildlife habitat, or shoreline stability.

The restoration included slight regrading of the shore and an erosion control blanket and biolog to reduce in-lake erosion. Oak stakes were used to secure the biolog to the toe of the shoreline.

This buffer will benefit habitat and water quality while still allowing for a great view of the lake. In addition, the deep root system of the established native plant community will increase shoreline stability.