

# HELPS STREAMBANK BUFFER FRIDLEY, MN



Streambank  
Buffer



## Project Summary

A streambank buffer on a residential property along Rice Creek in Fridley, MN was completed in the summer of 2011. The buffer will provide both increased stability to the bank and water quality benefits to Rice Creek by filtering stormwater runoff. Prior to the buffer installation, the area was sparsely planted and provided very little benefit to water quality. The dense mix of native plants and mulch included in the buffer installation will filter runoff from the property, adjacent driveway, and overflow stormwater from a street pipe. The stormwater overflow was directed to a grass swale that provides infiltration, filtration, and erosion control. In addition, the native plant community will provide improved wildlife habitat. Funding for the project was provided by the Rice Creek Watershed District (RCWD) cost share program and the landowner.



Completed project in the summer of 2011.

## Project Specs

Date Installed .....July 2011  
Project Length ..... 120 feet  
Buffer Width ..... 50 feet  
Total Buffer Area .....6,000 square feet

## Project Funding

RCWD Cost Share ..... \$3,850.09  
Landowner Contribution.....\$3,850.09  
Total Project Cost..... \$7,700.18

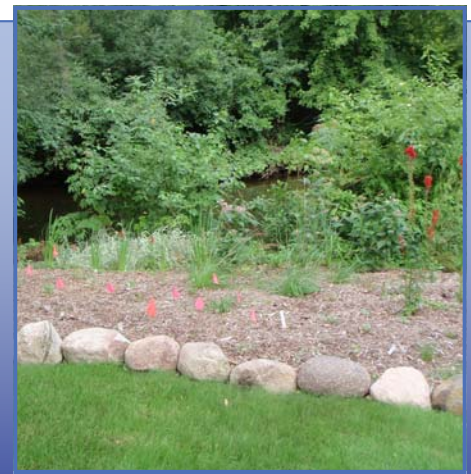
## Streambank Buffer Location and Key Components



Pre-installation conditions consisted of sparse understory vegetation, which provided no benefits to water quality or wildlife habitat.



The sweet grass swale will reduce the stormwater volume that reaches Rice Creek from the storm sewer overflow.



Native plants with deep root structures were placed along the streambank to promote infiltration and filtration of overland flow.