

# PETRO STREAMBANK RESTORATION EAST BETHEL, MN



## Project Summary

Streambank restorations provide aesthetic appeal, increased wildlife habitat, and water quality benefits. A restoration was completed during the fall of 2010 on a residential property that borders Crooked Brook in East Bethel. Crooked Brook is a tributary to Cedar Creek, which flows to the Rum River. The project involved invasive species removal, grading, stabilization via fabrics and biologs, and a native species buffer planting. In addition to the benefits provided to the landowner, wildlife, and Crooked Brook, the streambank restoration also serves as an example for surrounding neighbors of an alternative to manicured lawn to the water's edge, which produces excessive runoff. Funding for the project was provided through a combination of state native buffer cost share, Upper Rum River WMO water quality cost share, and landowner contribution.



Completed project in the summer of 2011.

## Project Specs

Date Installed ..... October 2010  
Project Length ..... 170 feet  
Buffer Width ..... 15 feet  
Total Stabilization Area ..... 2,550 square feet

## Project Funding

URRWMO Water Quality Cost Share..... \$1,027.51  
State Native Buffer Cost Share..... \$755.33  
Landowner Contribution..... \$1,782.85  
Total Project Cost..... \$3,565.69

## Installation Process



Pre-stabilization conditions consisted of a severely undercut streambank and no buffer, which provided no benefits to water quality or wildlife habitat.



The site was scraped to remove invasive species and graded to achieve the desired slopes prior to planting and biolog installation.



Erosion control fabric with native species plantings and biologs were used to stabilize the shoreline. These bioengineering practices will benefit habitat and water quality.