



# Douglas Township Trout Brook Streambank Stabilization

**Project:** This project stabilized 6,000 square feet of active streambank erosion at three locations to prevent approximately 28 tons of sediment per year from entering Trout Brook near where it joins with the Cannon River. Trout Brook is a designated trout stream. The Cannon River is protected as a Wild and Scenic River. Both Trout Brook and the Cannon River have turbidity impairments.

**Practice:**  
Streambank and Shoreline Protection

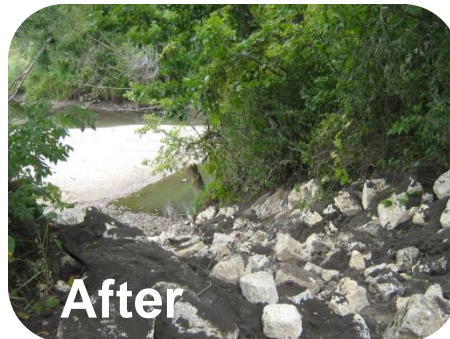
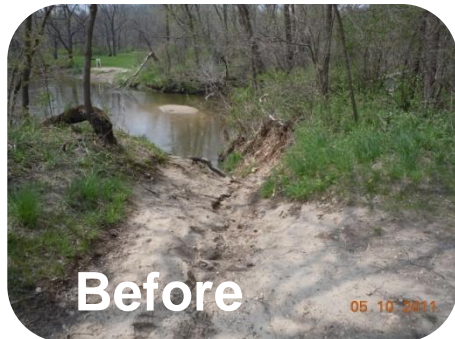
**Benefits:**  
Reduced Erosion

**Partners:**  
North Cannon River WMO  
Dakota County  
Minnesota Board of Water and Soil Resources

Department of Natural Resources  
Trout Unlimited

**Watershed:**  
Cannon River

**Construction**  
**2011**



**Funding:**

Total project cost	\$47,246
Clean Water Fund	\$34,128
Project Partners	\$13,118

**Location:**

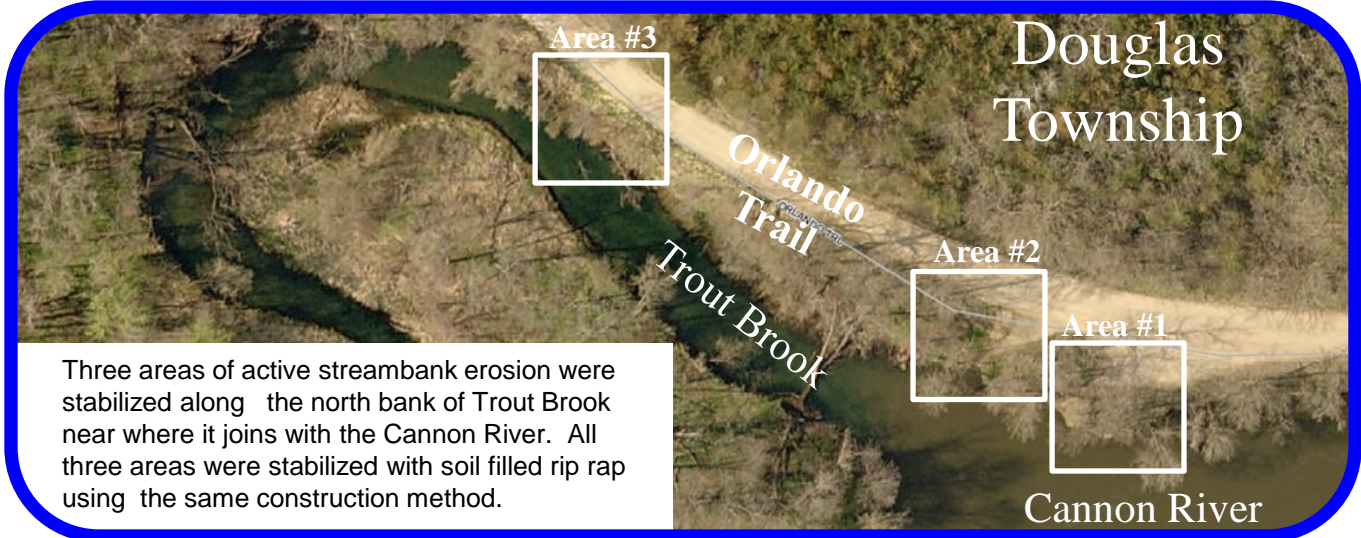
Douglas Township  
Minnesota



*Clean Water Fund:  
Protecting and restoring  
Minnesota's waters  
for generations to come.*



# Douglas Township Trout Brook Streambank Stabilization



Three areas of active streambank erosion were stabilized along the north bank of Trout Brook near where it joins with the Cannon River. All three areas were stabilized with soil filled rip rap using the same construction method.



Loose soils were replaced with compacted fill. Paint markings show where an excavated core trench will be keyed into the banks and along the toe of the slope.



The geotextile filter fabric covering the compacted slope and core trench was buried along the top of the slope to prevent sliding as the rip rap was placed.



Placed limestone rip rap filled the core trench and the underlying filter fabric folded back over the top to construct a weighted toe that resists undermining.



An 18 inch depth of rip rap covered the filter fabric and was backfilled with topsoil and hydromulch seeded with native grasses and wildflowers.