



# North Cannon River Watershed Runoff Reduction



## Clean Water Funds: 2010

Clean Water Grant	\$150,000
Leveraged Funds*	\$67,000
Total Project Budget	\$217,000

\* Leveraged Funds include required 25% local match

### Targeted Water:

County/Watershed Wide

### Project Sponsor:

North Cannon River Watershed Management Organization

### Partners:

Landowners, Dakota County Soil and Water Conservation District, Natural Resources Conservation Service

### Grant Period:

January 2010 - December 2011

### Project Contact:

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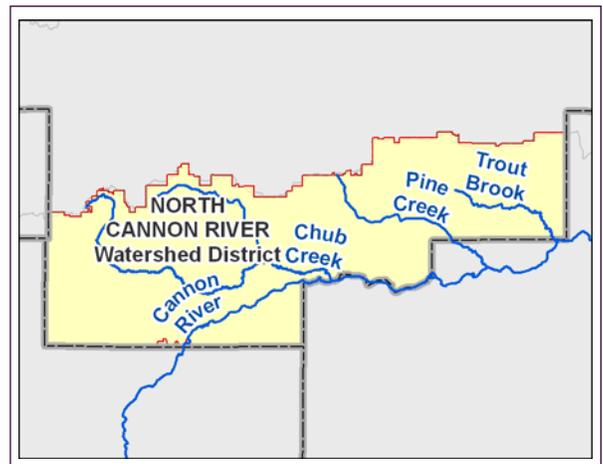


## Project Narrative

Through this project, the North Cannon River Watershed Management Organization (NCRWMO) works cooperatively with the Dakota Soil and Water Conservation District (DSWCD) and landowners to establish best management practices (BMPs) that reduce runoff and decrease the movement of sediment, nutrients, and pollutants into the Cannon River and its tributaries including, Trout Brook, Chub Creek, and Pine Creek.

There are two components to this project. The first initiative provides cost-share funding incentives and technical assistance to landowners who install structural BMPs such as raingardens, water and sediment control basins and grassed waterways. The second initiative uses grant funding to provide 10-year extensions to expiring Conservation Reserve Program (CRP) contracts that are not eligible for federal re-enrollment. Fields that are highly susceptible to erosion are targeted for protection through this initiative. The grasses and native prairie vegetation on these highly sensitive lands retain runoff and hold soil in place while providing high quality wildlife habitat.

In 2010, several BMPs were installed through this project. A 500 square foot raingarden installed at Highview Christiana church will treat and infiltrate stormwater from a large parking lot for years to come. The reconstruction of a grassed waterway in Hampton Township will reduce erosion from cultivated land adjacent to a ditch and six water and sediment control basins installed in the Trout Brook watershed will eliminate approximately 104 tons of sediment per year caused by gully erosion. Additional projects are planned for subsequent years.



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Gully erosion prior to installation of water and sediment control basin



Elimination of gully after installation of water and sediment



Raingarden at Highview Christiana church