



Isanti County Native Grass/ Stormwater BMP Demonstration Project



Clean Water Funds: 2011

Clean Water Grant	\$65,924
Leveraged Funds*	\$87,898
Total Project Budget	\$153,822

* Leveraged Funds include required 25% local match

Targeted Water:

County/Watershed Wide

Project Sponsor:

Isanti County Zoning

Partners:

Isanti County Soil and Water Conservation District
Isanti County Parks
Isanti County Zoning

Grant Period:

January 2011 - December 2012

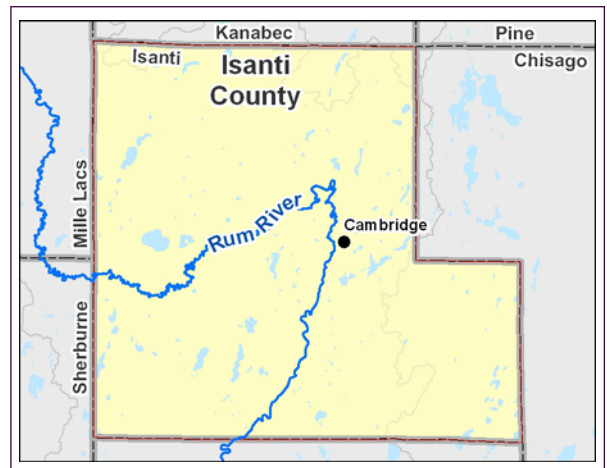
Project Contact:

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Project Narrative

Project will focus on BMP's that reduce runoff and/or keep water on the land. The establishment of 8 native plantings on 153 acres using an approved 15 native species mix on marginal farm fields will significantly reduce runoff of sediments and nutrients, and act as a filter to remove nutrients and sediment from fields upslope. Based on RUSLE2 estimates, 336.6 tons/yr of soil will be saved, and 202 lbs/yr of phosphorus and 3,336 lbs/yr of nitrates will not runoff the fields and/or leach into the ground water. The sandy soils of the Anoka Sand Plain are susceptible to the leaching of nitrates into the aquifers. In addition, by converting farm fields to native plantings the use of pesticides will be significantly reduced. Stormwater management projects e.g. rain gardens, sediment basins, bridges, and permeable surfaces will address municipal concerns related to water quality by reducing runoff amount and nutrient loading by providing temporary storage of surface water to allow time for settling and uptake of nutrients and sediments. These projects will also address gully erosion in highly sensitive and heavily used park areas. Estimated total reductions from the 3 park projects are: 1.15 tons/yr of sediment and 5.44 lbs/yr of phosphorus.



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Planting a raingarden



Second year of a grass planting



A living snow fence