



# Lower Wild Rice River Turbidity Project



## Clean Water Funds: 2010

Clean Water Grant	\$175,000
Leveraged Funds*	\$71,550
<b>Total Project Budget</b>	<b>\$246,550</b>

\* Leveraged Funds include required 25% local match

### Targeted Water:

Marsh Creek, Moccasin Creek and South Branch of the Wild Rice River

### Project Sponsor:

Wild Rice Watershed District

### Partners:

Wild Rice Watershed, Norman, Mahnomen, Becker and Clay SWCD's

### Grant Period:

January 2010 - December 2011

### Project Contact:

Curtis Borchert  
 (218) 584-5169  
 borchert@arvig.net  
 www.nwmnswcd.org



## Project Narrative

This project is designed to reduce sediment in the Wild River River based on a state approved plan (TMDL). The estimated water quality benefits completed by this project are 12,980 (120 truckloads) tons of soil saved per year, which will assist in reducing turbidity impairments downstream on the Lower Wild Rice River (LWRR).

Through this project, activities will primarily be focused on the installation of Best Management Practices (BMP) in Phase 1 upstream sub-watersheds, South Branch of the Wild Rice River, Moccasin Creek and Marsh Creek. Sediment loading reductions in these sub-watersheds will in turn result in sediment load reductions on the LWRR downstream. Priority will be given to BMPs installed within 1 mile of the main stem channel in each sub-watershed or within 1/2 mile of tributaries and within 120 feet of all other man-made ditches.

We will work with landowners to install BMPs within targeted locations through existing federal, state and local conservation programs. The conservation practices that will be supported by this project will provide erosion control and reduce sediment properties, which will reduce the sediment load at the LWRR.

The water quality and natural resource enhancements of these practices will also provide valuable habitat benefits.

## Actual Outcomes

Buffer Strips (100 acres): 800 tons of soil saved a year

Water & Sediment Control Basins (40 units): 2,100 tons of soil saved a year

Side Inlet Structures (36 units) : 10,080 tons of soil saved a year

