



Red River of the North Watershed Runoff Reduction



Clean Water Funds: 2012

Clean Water Grant	\$60,989.11
Leveraged Funds*	\$112,199.91
Total Project Budget	\$173,189.02

* Leveraged Funds include required 25% local match

Targeted Water:

Red River of the North and County Ditch 13 and 22 subwatersheds.

Project Sponsor:

Kittson Soil and Water Conservation District

Grant Period:

March 2012—December 2016

Project Contact:

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C12-96 - Clean Water Assistance

Project Narrative

This project is a partnership with Kittson County, the Joe River Watershed District and the Two Rivers Watershed District to install vegetative filters, buffers and erosion control practices along the Red River of the North and several major tributaries within the county.

This project will reduce runoff and decrease movement of sediment, nutrients and bacteria to the Red River by targeting, prioritizing and installing up to 75 acres of vegetative filters and buffers. In addition installing Side Water Inlets at gully erosion sites along the river and selected tributaries will be considered. The river and County Ditches 13 and 22 in the Two Rivers Watershed District will be targeted for implementation.



The vegetative practices funded through the project will slow stormwater allowing up to 85% of the sediment load to be deposited in the grass filter strip rather than in surface waters. Side Water Inlets will be engineered and installed to retain water on the land for 24 to 48 hours. Side Water Inlets will also benefit water quality, with the aid of grass filter strips, by allowing sediment to settle in the field before it enters the river.

Proposed Outcomes:

The project element description is to install 75 acres of riparian buffers/grass filter strips, along with Side Water Inlets (SWI) in targeted areas County Ditch 13 and 22, and the Red River of the North as part of the Overall Plan of the Two Rivers Watershed District and the Kittson County Comprehensive Local Water Plan. Kittson SWCD will contact landowners to inform them of Continuous Conservation Reserve Program (CCRP) and Clean Water Funds.

Proposed Reductions: 7,234 lbs/year phosphorus and 5,685 tons/year sediment.

Actual Outcomes:

Installation of 73.43 acres of Riparian Buffers/grass filter strips.

Actual Reduction: 3,465 lbs/year phosphorus and 2,511 tons/year sediment.



Sedimentation in Kittson County Ditch 26

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