



Improving the Water Quality along Connelly Ditch



Clean Water Funds: 2012

Clean Water Grant	\$294,506
Leveraged Funds*	\$240,500
Total Project Budget	\$535,006

* Leveraged Funds include required 25% local match

Target Water:

Otter Tail River and Red River of the North

Project Sponsor:

Wilkin Soil and Water Conservation District

Grant Period:

January 2012 — December 2013

Project Contact:

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C12-63 - Conservation Drainage

Project Narrative

This water quality improvement project involves the retrofit of county ditch #31 also known as Connelly Ditch. The capacity of the ditch is inadequate and there is a need to reduce sediment and peak flows to it.

This project will retrofit the lower 6.5 miles of the ditch and will consist of installing 50 side-inlet structures where current field ditches and old culverts exist; 6.5 miles of water and sediment control structures and 25 acres of buffer strips. When completed, these components will become a permanent part of the ditch system. In addition upland conservation practices will be installed in the watershed to



further reduce erosion and sedimentation. These include 1000 acres of cover crop, 5 miles of windbreaks, 200 acres of buffer strips and 700 acres of reduced tillage. Together all practices will reduce sediment loading by 335 tons/year and peak flows by 50 to 75 percent.

Proposed Outcomes:

Project Outputs:

Install 6.5 miles of water and sediment control structures, 50 side-Inlet structures, and 25 acres of bufferstrips - Otter Tail River and Red River of the North

BMP Promotions: Install 1000 acres of cover crops, 5 miles of windbreaks, 200 acres of bufferstrips, and 700 acres of reduced tillage - Otter Tail River and Red River of the North

Proposed Reductions:

335 tons/year Sediment

Actual Outcomes:

Project in Progress

Improving the Water Quality along Connelly Ditch

County Ditch 31 Water Quality and Retrofit Project

