



Preventing Erosion to the Mississippi River Gully



Clean Water Funds: 2012

Clean Water Grant	\$244,000
Leveraged Funds*	\$95,000
Total Project Budget	\$339,000

* Leveraged Funds include

Targeted Water:

Mississippi River Pool 3/Spring Lake (Pool 2) & Lower Vermillion

Project Sponsor:

Vermillion River Watershed Joint Powers Organization -Dakota

Grant Period:

January 2012—December 2014

Project Contact:

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C12-66 - Clean Water Assistance

Project Narrative

Water from an area in and near the interchange of US Highway 52 and MN Highway 55 spills onto a steep bluff face at the head of a ravine. This has accelerated the amount of sediment eroding from the ravine into the Mississippi River. In partnership with Dakota County, Dakota Soil and Water Conservation District, the City of Rosemount, Minnesota Department of Transportation, Flint Hills Resources, the Vermillion River Watershed Joint Powers Organization has been working for several years to identify a solution to this severe erosion problem.



A grade control structure would take the water from the top of the bluff and drop it to the bottom of the bluff, thereby eliminating further erosion of the bluff face and existing head cut. This was determined to be the most effective and inexpensive solution to address the erosion and sediment issue. This project will reduce sediment to the Lower Mississippi River by an estimated 82 tons/year.

Proposed Outcomes:

Installation of grade control structure and infiltration features to eliminate erosion from Mississippi River gully - Mississippi River Pool 3/Spring Lake (Pool 2) & Lower Vermillion River

Proposed Reductions: 43,560 acre feet/year Hydrology, 70 lbs/year Phosphorus and 82 tons/year Sediment

Actual Outcomes:

Project in Progress

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