



# FY2013 Clean Water Funds

## Redwood and Cottonwood Rivers Targeted Clean Water Assistance Grant



### Project Narrative:

**C13-4625**  
Clean Water Assistance Grant

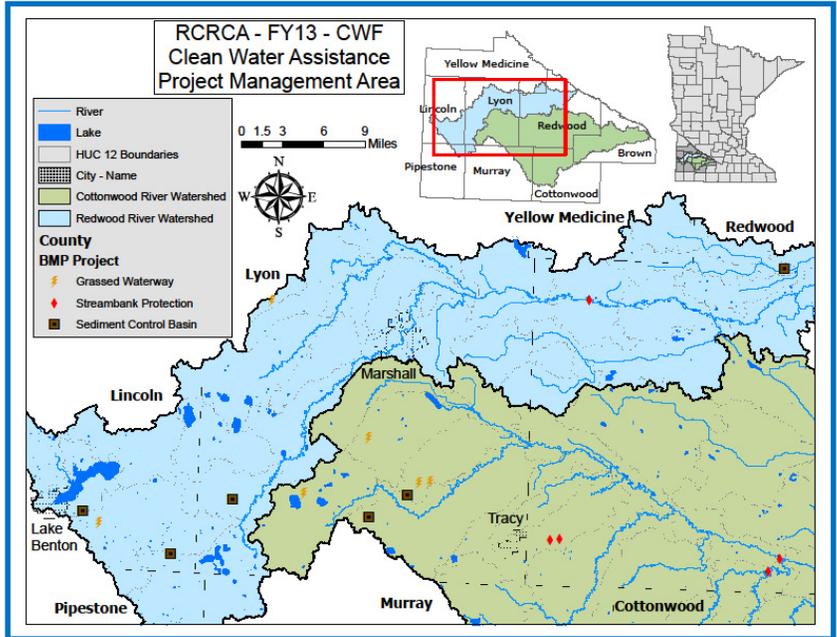
CWF Fund Categories		
Administrative, Project Development, and Technical/Engineering Assistance Funds		
As of: December 31, 2016	Grant Budget	Encumbered/ Spent
Administrative	\$28,000.00	\$28,000.00
Project Development	\$36,000.00	\$36,000.00
Technical	\$110,000.00	\$110,000.00
Cash Match	\$108,000.00	\$108,000.00
Implementation Funds		
	<i>Installed</i>	<i>Cost</i>
Water and Sediment Control Basins	40	\$80,223.10
Grassed Waterway	12,905 ft.	\$42,139.48
Streambank Protection	2,995 ft.	\$105,340.35
Grade Stabilization Structures	12	\$154,265.27
BMPs	\$386,000.00	\$381,968.20
Match Grant Funds	\$193,000.00	\$193,000.00
Landowner Funds	\$193,000.00	\$193,000.00
<b>Total Imp. Funds</b>	<b>\$772,000.00</b>	<b>\$767,968.20</b>
<b>Total CWF Budget</b>	<b>\$1,054,000.00</b>	<b>\$1,049,968.20</b>

**Project Sponsor:**  
Redwood-Cottonwood Rivers Control Area (RCRCA)

**Redwood-Cottonwood Rivers Control Area**

**Grant Period:**  
January 2013 - December 2016

**Project Contact:**  
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The Redwood and Cottonwood River watersheds encompass approximately 2,020 square miles of southwestern Minnesota in the Minnesota River Basin. Land use in these watersheds is mostly agricultural and area geology makes them prone to erosion.

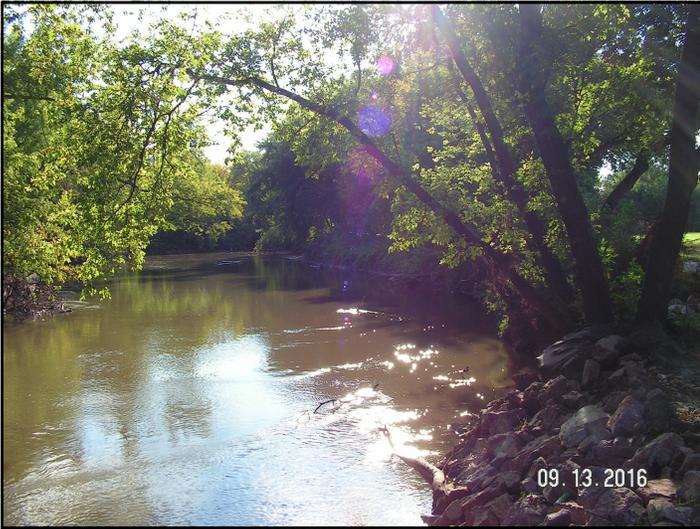
Surface water issues within the two watersheds had become a concern of local leaders and the counties and SWCD leaders formed RCRCA in 1983 to address sedimentation, water quality and quantity, and erosion issues. The 1992 (Redwood River) and the 1999 (Cottonwood River) MPCA approved diagnostic studies and implementation plans defined characteristics of specific pollutants, the processes affecting their transport, and appropriate measures to reduce their delivery to both rivers. These locally developed Implementation Plans were created to direct restoration activities in targeted sub-watersheds. RCRCA was tasked to develop TMDLs and implementation plans to address the many reaches and tributaries within both watersheds in 2006 (Fecal Bacteria) and again in 2008 (Turbidity). Partner county water management plans reflect priority management areas based on the same targeted and EPA listed waters.

#### Proposed Outcomes:

Reductions of:  
3.417 tons of Phosphorus  
5,942 tons of Sediment (TSS)

#### Actual Outcomes:

Reductions of:  
1.87 tons of Phosphorus  
3,782 tons of Sediment (TSS)



**City of Springfield -- Streambank Stabilization on the Cottonwood River (before and after)**

The purpose of this project is to facilitate individual landowners with the installation of conservation practices within the Redwood and Cottonwood watersheds through planning and technical assistance activities, as well as 50% cost-share funds associated with this grant with remainder to be paid through federal funds and landowner match. Implementing groundwater infiltration and phosphorus-reducing conservation practices through new funded BMPs will help achieve reductions necessary to meet goals set forth in local, watershed wide, and Minnesota Basin water plans.

Implementation BMPs		
	<i>Installed</i>	<i>Proposed</i>
<b>Water and Sediment Control Basins</b>	40	10
<b>Grassed Waterway</b>	12,905 ft.	9,560 ft.
<b>Streambank Protection</b>	2,995 ft.	2,550 ft.
<b>Grade Stabilization Structures</b>	12	6



**LEFT:** Grassed Waterway -- Section 25 of Sodus Township, Lyon County (before and after)

**RIGHT:** Water and Sediment Control Basin -- Section 8 of Monroe Township, Lyon County