

LINCOLN SOIL AND WATER CONSERVATION DISTRICT



FY2013-Clean Water Funds: Lake Shaokatan & Yellow Medicine Sub-Watersheds Implementation Project

Water of Concern: Lake Shaokatan and Yellow Medicine Sub-Watersheds

CWF Grant Awarded: \$197,473

Leveraged Funds: \$166,875

Grant Period: From: 1/1/2013 - 12/31/2015

CWF Expenditures by Category

Administrative, Project Development and Technical/Engineering Assistance Funds

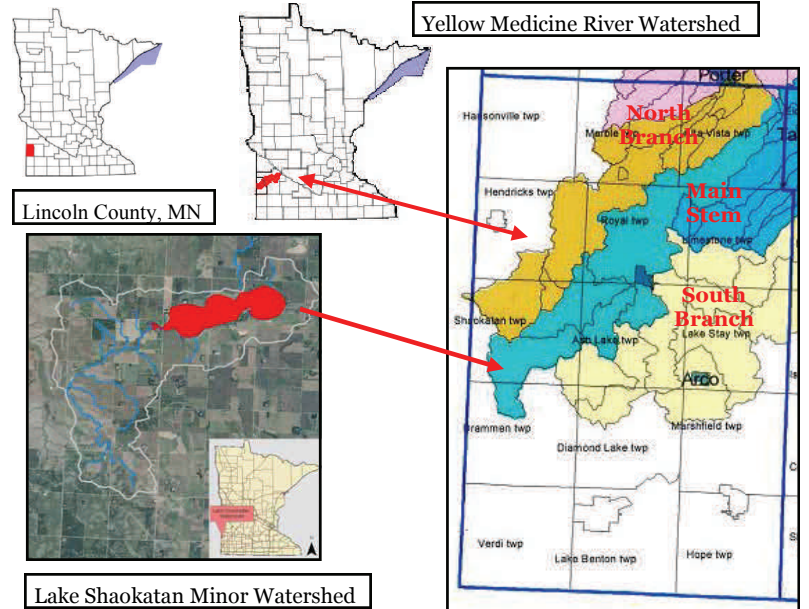
Item:	Total Grant Est.	Encumbered/ Spent
Administrative	\$7,602	
Project Develop.	\$9,726	
Technical	\$10,770	

Implementation Funds

BMP's	\$61,875	
Alternative Intakes	\$4,000	
Filter Strip Inc.	\$75,000	
Wetland Rest.	\$15,750	
Grade Stabilization	12,750	
Leveraged Funds: Landowners.	\$166,875	
Total Imp. Funding	\$336,250	
Total CWF Budget	\$364,348	

PROJECT CONTACT:

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Overall Project Description

Lake Shaokatan and its 13.9 square mile watershed is the headwaters of Yellow Medicine River, which is one of the thirteen major watersheds in the Minnesota River and the largest watershed in Lincoln County. The primary land use is agriculture with the major crops being corn and soybeans. Erosion is occurring at a rate of over 2T. The trend for significant soil loss is due to the nature of the topography with the highest point in the Yellow Medicine Watershed in Lincoln County being 1,960 feet and the lowest being 1,160 feet, a drop of 800 feet in 25 miles. Identified BMPs: 15-Water and Sediment Control Basins (WSCBs), 1-grade stabilization structure, 1-feedlot, 7-wetland restorations, 50-acres filter strips and 10-alternative intakes will be implemented to reduce pollutants including: nutrients, sediment, phosphorus, and bacteria reducing sediment by 360 tons and phosphorus by 516 pounds per year. Currently, 20 projects and willing landowners are identified and scheduled to be surveyed, designed and ready for construction starting in the spring of 2013. DNR classified Lake Shaokatan as a Recreational Development Lake. MPCA water quality impairments or TMDL include: Lake Shaokatan impaired for designated uses of aquatic recreation and aquatic life under Section 303(d) of the Clean Water Act; cause-excessive phosphorus loading. Annual phosphorus loading to Lake Shaokatan have ranged from 577 to 4,300 kilograms/year; South Branch fecal coliform TMDL; and South/North Branch and Main Stem, Yellow Medicine River, impaired for Turbidity.