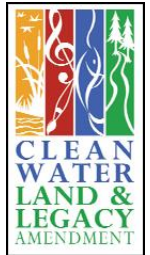




2013 - Clean Water Assistance Grant - Lincoln (SWCD)



Project Narrative:

The Lincoln SWCD, in cooperation with the Yellow Medicine Watershed District focused on BMP implementation in the Lake Shaokatan and the sub-watersheds of the Yellow Medicine River. These watersheds are identified on the MPCA TMDL or impaired waters list. 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 causing erosion to occur 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.

DNR classified Lake Shaokatan as a Recreational Development Lake. MPCA lists the following:

- 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;
- South/North Branch and Main Stem, Yellow Medicine River, impaired for Turbidity.

Installed were the following: 7-Wetland Restorations; 2-Grade Stabilizations, 17-Water and Sediment Control Basins, 9-Alternative Intakes, and 33.68 Acres of Filter Strips.

With the projects listed in the table below, reductions in pollutants included: nutrients, sediment, phosphorus, and bacteria. We originally set out to reduce sediment by 360 tons and phosphorus by 516 pounds per year. With the project implementation we will reduce sediment by 653.93 tons and phosphorus by 792.81 pounds per year plus will save 566.12 tons of soil per year

Staffing Report: Lincoln SWCD – Funds Spent include: Grant Reporting/Management-\$9,706.38; Project Development-\$9,569.47; Technical/Engineering-\$7,322.15 plus \$1,500-Area II MN River Basin Projects, Inc. In-Kind consisted of Lincoln SWCD-Grant/Reporting/Management-\$234.33; Natural Resource Conservation Service; Technical/Engineering Services-\$4,850.

Funds not spent due to slippage of conservation practices: \$1,783.

Total Project Funding:

Total Grant \$'s	Projects C-S	Grant Report/Mgmt	Project Dev.	Tech/Eng	Funds Not Spent	Landowner/ Other	SWCD Grant Rep	NRCS/ Eng/Tech
\$197,473	\$167,592	\$9,706.38	\$9,569.47	\$8,822.15	1,783	167,331.96	\$234.33	\$4,850

2013 - Clean Water Assistance Grant: Lake Shaokatan and Yellow Medicine Sub-Watersheds Implementation Project

Projects accomplished including C-S, Landowner/Other Funding, Sediment Reductions, Phosphorus Reductions and Soil Saved.

Name/#/Project	Cost-Share	Landowner Sh/Other Funding	Sed. Reduct.	Phos. Reduct.	Soil Saved
Weber-2-Grade Stab.	\$12,750	\$4,417.70	225.5	225.5	
Madsen-2-WSCBs	\$6,787	\$2,263.00	7.47	8.59	8.59
Madsen-1-WSCBt	\$3,427	\$1,143.50	2.96	3.4	17.5
Popowski-2 Alt. Intakes	\$600	\$200.00	2	3	
Whingelby 7-Wetland Rest.	\$11,762	\$3,921.20	26.68	30.71	95.33
Fier (Tom)-3-WSCBs	\$22,388	\$7,463.51	26.03	29.94	48.39
Deutz-1-WSCB	\$4,875	\$32,917.38	78.75	90.56	78.75
Popowski-1-WSCB	\$3,900	\$11,079.68	\$2.17	2.5	11.38
Christensen-3-WSCBs	\$4,608	\$1,537.00	29.34	33.74	47.25
Buntrock-12.7 Ac-Filter St.	\$19,050	\$18,293.71	61.77	88.33	57.15
Hauschild-4-Alt. Intakes	\$1,600	\$612.00	4	6	
Behnke-1-Alt Intake	\$243	\$81.00	1	1.5	
Epple-2.9 Ac Filter Strip	\$4,350	\$3,591.79	20.47	29.99	7.41
Bunjer-#1-9.7 Ac.-Filter St.	\$14,550	\$16,304.73	50.06	92.75	22.18
Deutz-1-Alt Intake	\$318	\$107.00	1	1.5	
Fier-22 Ac.-Filter Strip	\$33,000	\$31,039.8	42.2	64.05	56.54
Noble-1-Alt Intake	\$400	\$223.74	1	1.5	
Bunjer-#2-8.38 Ac.-Filter St	\$4,207	\$26,118.12	13.27	21.31	6.63
Paluch-1-WSCB	\$2,251	\$751.00	8.5	8.5	17
Jerzak-1-WSCB	\$1,681	\$561.50	5.5	4.68	5.5
Drietz-3-WSCBs	\$7,086	\$2,363.20	27.32	27.32	54.64
Weverka-1-Alt Intake	\$400	\$175.00	1	1.5	
VanDerostyne-1-WSCB	7,359	\$2,453.00	15.94	15.94	31.88
Total Project Numbers	\$167,952	\$167,331.96	653.93	792.81	566.12

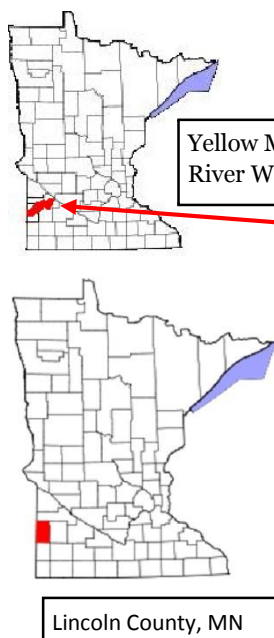
Project Sponsor:
Lincoln SWCD

Grant Period:
Feb 12, 2013 – Dec 31, 2015

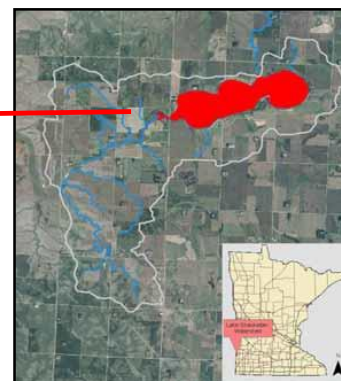
Project Contact Info:
Pauline VanOverbeke,
District Manager
pauline.vanoverbeke@mn.nacdnet.net
www.lincolnsxcd.net

Targeted Waters:
Lake Shaokatan-Middle Branch
(Main Stem) Yellow Medicine
Middle Branch (Main Stem) Yellow
Medicine River
North Branch Yellow Medicine River
South Branch Yellow Medicine River

Leveraged Funds include required 25% local match



Yellow Medicine River Watershed



North Branch, Main Stem, South Branch, Yellow Medicine River Watershed, Lincoln County.

**Yellow Medicine Watershed
-Lake Shaokatan Watershed-
-South Branch, Main Stem, North Branch-
Lincoln County**