



Becker County Targeted Phosphorus Reduction and Lake Protection Project

Clean Water Fund: Projects and Practices 2016

Grant Award: \$254,897

Total Project Budget: \$254,897

Progress as of March 2019:

Fund Type	Spent
Grant	\$254,897
Match*	\$90,510
Total	\$345,407

*Includes minimum 25% local match

Grant Period:

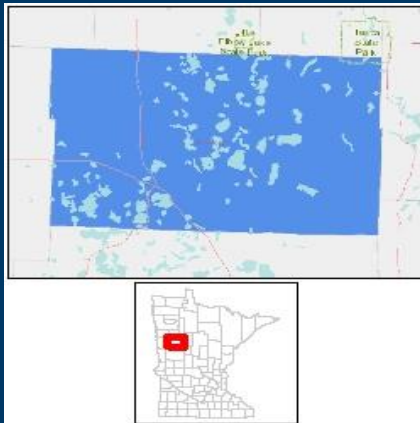
March 2016 - December 2018

Targeted Water:

23 Lakes of Phosphorus Sensitivity Significance

Project Sponsor:

Becker SWCD



Project Contact:

Peter Mead

218-530-3291

pemead@co.becker.mn.us

http://www.co.becker.mn.us/dept/soil_water/default.aspx

Project Narrative

The Becker County Targeted Phosphorus Reduction and Lake Protection Project seeks to address the critical sources of nutrients and sediment reaching 29 lakes that have been determined to have a high sensitivity to phosphorus through the targeted application of applicable, lake-friendly Best Management Practices. By targeting high quality, unimpaired lakes at greatest risk of becoming impaired and working to restore waters closest to meeting state water quality standards, this project aligns with the State of Minnesota’s non-point priority funding plan as well as numerous objectives and goals within the Becker County Local Water Plan and related implementation schedule.

Proposed Outcomes

Estimates prepared with components of our GIS based RUSLE analysis, reference projects and BWSR Pollution reduction calculators suggest that the positioning of the prescribed BMPs in the identified critical areas will cumulatively stem 160 tons of soil loss annually, cut yearly TSS levels by 73 tons and prevent 176 pounds of phosphorus from reaching the affected waterbodies.

Pollution Reduction Estimates

Indicator Name	Proposed	Actual
Pathogens (E. Coli) (CFU)	0	1.9
Phosphorus (Est. Reduction) (LBS/YR)	176	94.22
Sediment (Tss) (TONS/YR)	73	105.39
Soil (Est. Savings) (TONS/YR)	73	46.43

Actual Outcomes

41 Critical area plantings and shoreline stabilizations were cost shared through this project, along with 5 raingardens and one grade stabilization structure.

Becker SWCD submitted the final report for the 2016 CWL Lake Protection grant. Actual results and expenditures have been entered for calendar year 2018 and all funds have been spent.



