



Buffalo Red Shallow Lakes and Mainstem Improvement Strategy

Clean Water Fund: Projects and Practices 2015

Grant Award: \$398,000

Total Project Budget: \$398,000

Progress as of March 2019:

Fund Type	Spent
Grant	\$397,516
Match*	\$427,549
Other	\$127,372
Total	\$952,437

**Includes minimum 25% local match*

Grant Period:

March 2015 - December 2018

Targeted Water:

12 Impaired Lakes and Buffalo River Mainstem

Project Sponsor:

Becker SWCD



Project Contact:

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Project Narrative

The Buffalo Red Shallow Lakes and Mainstem Improvement Strategy will reduce nutrient and sediment delivery to 12 impaired lakes and impaired reaches of the Buffalo River through a targeted and prioritized approach to the implementation of Best Management Practices (BMPs).

Proposed Outcomes

The project area contains reaches of one main river system, the Buffalo River, which terminates at the Red River of the North and supplies the City of Moorhead with 50% of its drinking water. Once pristine, these reaches are impaired today by total suspended solids and E.coli bacteria. There are also 12 shallow lakes in the project area listed as impaired by excess nutrients. These shallow lakes have been identified by the MN DNR as critical habitat components for Minnesota's wildlife. This project will make significant strides towards meeting established nutrient and sediment reduction goals to sustain or restore the overall health and ecologic vitality of these impaired water bodies

Pollution Reduction Estimates

Indicator Name	Proposed	Actual
BOD 5 (LBS/YR)	0	19.85
Phosphorus (Est. Reduction) (LBS/YR)	1318.17	1518.47
Sediment (Tss) (TONS/YR)	1089.8	1314.69
Soil (Est. Savings) (TONS/YR)	1440.2	1401.39

Actual Outcomes

- 71 Water and Sediment Control Basins
- 3 Grade Stabilizations
- 7 Filter Strips
- 1 Grassed Waterway

Becker SWCD submitted the final report for the 2015 CWL Buffalo Red Shallow Lakes grant. Actual results and expenditures have been entered for calendar year 2018. All funds have been spent, less \$483.72.



