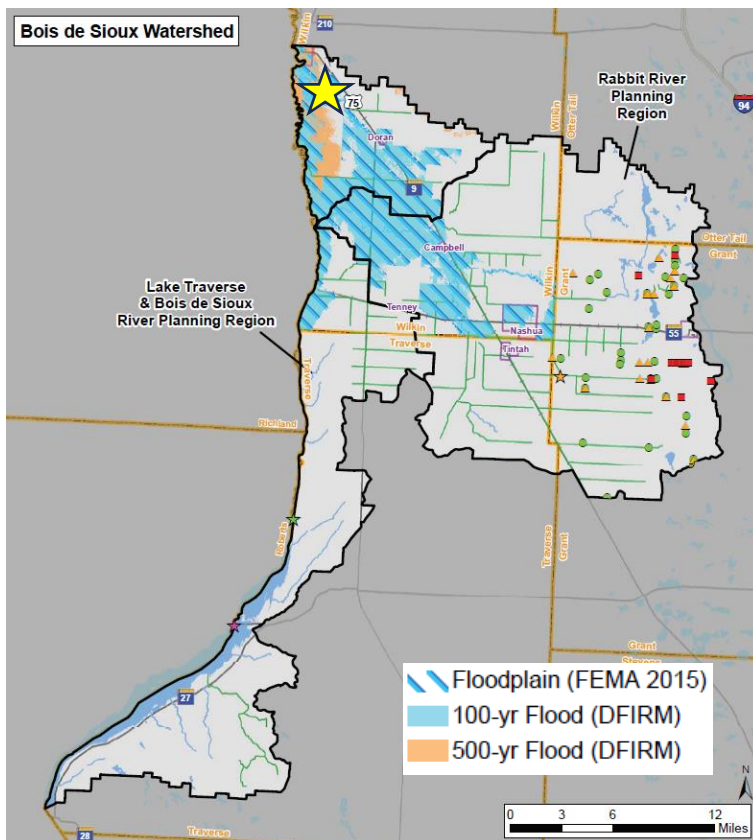


Doran Creek Stream Restoration

19 Miles of Natural Channel Design to Restore Ephemeral Stream | 1,300 Acres of Riparian/Upland Habitat



Sediment



Existing Load:
53,623 tons/yr



Short-Term
Reduction Goal:
1,124 tons/year



Targeted Practices
Load Reduction:
234 tons/year



Doran Creek
Rehabilitation:
890 tons/year

Phosphorous



Existing Load:
143,554 lbs/yr



Short-Term
Reduction Goal:
319 lbs/year



Targeted Practices
Load Reduction:
149 lbs/year



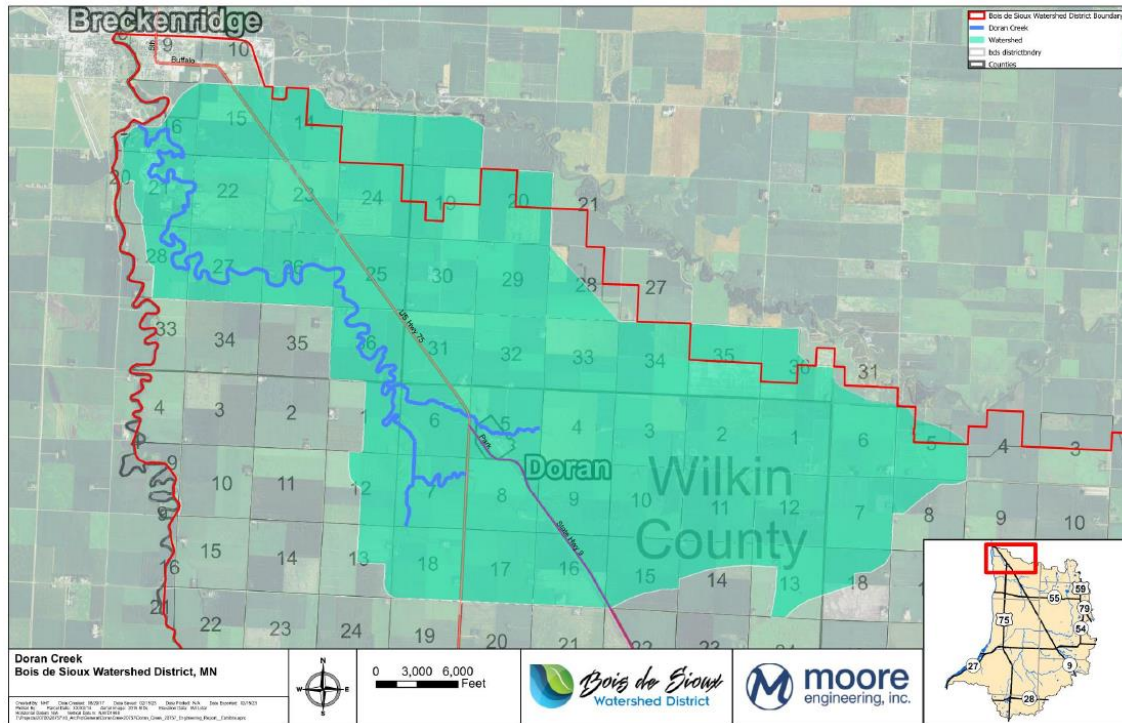
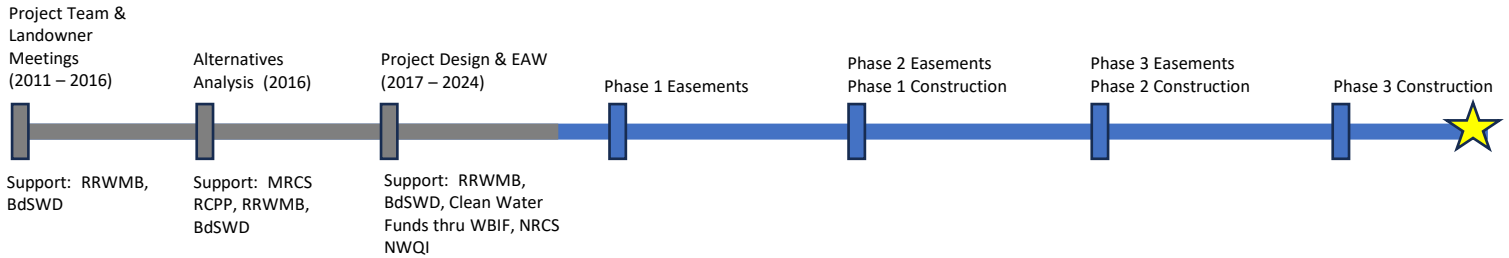
Doran Creek
Rehabilitation:
170 lbs/year

The Doran Creek Stream Rehabilitation Project will rehabilitate Doran Creek and restore its natural stream flow by reestablishing the channel and floodplain corridor through the removal of the accumulated sediment. Approximately two to four feet of sediment will be excavated from the channel while completing minor regrading of the banks to restore the floodplain and create a stable condition. An anticipated 428,000 cubic yards of sediment removal is anticipated, which will be spread in adjacent uplands or used to construct project infrastructure when suitable. The project will reestablish a pool-riffle system within the channel to create habitat not present under existing conditions. The project will simultaneously provide an ecological enhancement that will be maintained and protected through the use of perpetual easements and constructed best management practices (BMPs). Project BMPs may require long-term maintenance, which will be achieved through the use of these perpetual easements. The project will be implemented over an approximately 1,400-acre project area, which includes the stream channel and its 10-year floodplain, proposed work limits, and approximately 1,300 acres of proposed conservation easement lands.

Doran Creek is identified as Priority Stream in the Bois de Sioux-Mustinka Joint Comprehensive Watershed Management Plan.

Doran Creek Project, Sub Watershed & Location

PROJECT MILESTONES



Project Funding Strategy

Source	Year 1	Year 2	Year 3	Year 4	Total
BWSR <i>Projects & Practices</i>	400,000	400,000	400,000	400,000	1,600,000
BWSR* ** <i>Reinvest in Minnesota</i>	650,000	650,000	650,000	650,000	2,600,000
LSOHF*			1,000,000		1,000,000
LCCMR		1,200,000			1,200,000
NRCS** <i>National Water Quality Initiative</i>	750,000	750,000	750,000	750,000	3,000,000
RRWMB <i>Clean Water Initiative</i>		200,000	200,000	200,000	600,000
BdS Watershed District <i>Watershed-Based Implementation Fund (1W1P)</i>		200,000	200,000	200,000	600,000
Water Management District		61,400	61,400	61,400	184,200
TOTALS	1,800,000	3,461,400	3,261,400	2,261,400	10,784,200

*Enter into MOA with BWSR
**Collaborate with Wilkin SWCD