

CRAIG LOEN GULLY STABILIZATION

GRASSED WATERWAYS AND DIVERSIONS

Average slopes of 7% across this agricultural field cause gullies to form in the field each year when it rains. The annual gullies converge into a larger perennial gully off the edge of the field. This gully enters the St. Croix River and deposits large amounts of sediment.

In 2015, a series of grassed waterways and diversions were planted in the locations where the annual gullies would form. By planting a permanent vegetative cover in these locations, the runoff water is less likely to cause erosion because the roots of the plants help hold soil in place. Plant stems also slow the water down as it flows through the waterway, helping reduce the velocity of the water as it reaches the main gully.



Partners:

Chisago SWCD
Landowners

Pollution Reduction:

Total Suspended Solids (TSS): 50,000 lb/yr
Total Phosphorus (TP): 106 lb/yr
(BWSR Pollution Reduction Estimator)

Targeted Water:

St. Croix River

Completion Date:

Fall 2015

May I Visit?

No, but you can see most of the practice from the roadway. Please respect private property.

