

MALLERY JERSEY'S 2015 PROJECTS

WASCOBS AND DIVERSION

The Mallery farm is located along the St. Croix River escarpment, the bluff that was formed when the St. Croix River was a much larger glacial river. The escarpment has steep slopes. Human disturbances, such as logging and agriculture, have contributed to increased runoff over the bluff, which has resulted in large gullies. The erosion of the gullies has resulted in large loads of sediment to enter the St. Croix River.

In 2015, the owners of Mallery Jersey's installed three water and sediment control basins and a diversion to help stabilize three gullies. Runoff from the farm's fields will be temporarily stored in the field. The water will slowly drain through a pipe to a stable outlet location. This system will prevent further erosion from occurring in the existing gullies by slowing the velocity of the water in the channel. Slowly running water is much less likely to cause erosion.



Partners:

Chisago SWCD
Landowners

Pollution Reduction:

Total Suspended Solids (TSS): 62,000 lb/yr
Total Phosphorus (TP): 31 lb/yr
(BWSR Pollution Reduction Estimator)

Targeted Water:

St. Croix River

Completion Date:

Fall 2015

May I Visit?

No, these practices are located on private property.

