



Trout Brook Restoration



Clean Water Funds: 2012

Clean Water Grant	\$82,510
Leveraged Funds*	\$42,129
Total Project Budget	\$124,639

* Leveraged Funds include required 25% local match

Targeted Water:

Trout Brook and Lake St. Croix

Project Sponsor:

South Washington Watershed District

Grant Period:

January 2012—December 2015

Project Contact:

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C12-122 - Clean Water Assistance

Project Narrative

This project will help restore and protect two unique resources in southern Washington County - Trout Brook and Lake St. Croix. Previous assessments identified the 100 sites in southern Washington County that contribute the most to the existing excess nutrient problem and declining water quality of Lake St. Croix. Twenty-two of those sites are in the Trout Brook watershed and also contribute to sediment and turbidity that are degrading habitat in this cold-water stream.



Through public-private partnerships, this project resulted in construction of 3 projects to address agricultural runoff. It is estimated that these projects will reduce annual loading from the Trout Brook watershed by 79 pounds of phosphorus and over 200 tons of sediment.

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Projects include a large sediment basin and grassed waterway both at headwaters of Trout Brook and stabilization of a large bluff side ravine at the edge of a large family farm which emptied directly into Trout Brook. Routine inspections are being completed by SWWD and its partners. The private landowners are responsible for maintenance over the lifetime of the installed practices.

Proposed Outcomes:

Up to 10 Water and Sediment Basins, Grass Waterways, and/or Ponds - Lake St. Croix

Proposed Reductions: 29 lbs/year of phosphorus and 52 tons/year of sediment.

Actual Outcomes:

SWWD and its partners completed construction of 3 ag related BMPs under this grant including a large sediment basin, a grassed waterway, and stabilization of a large, edge of field gully adjacent to Trout Brook.

Actual Reductions: 79 lbs/year of phosphorus and over 200 tons/year of sediment.



Vang Grassed Waterway



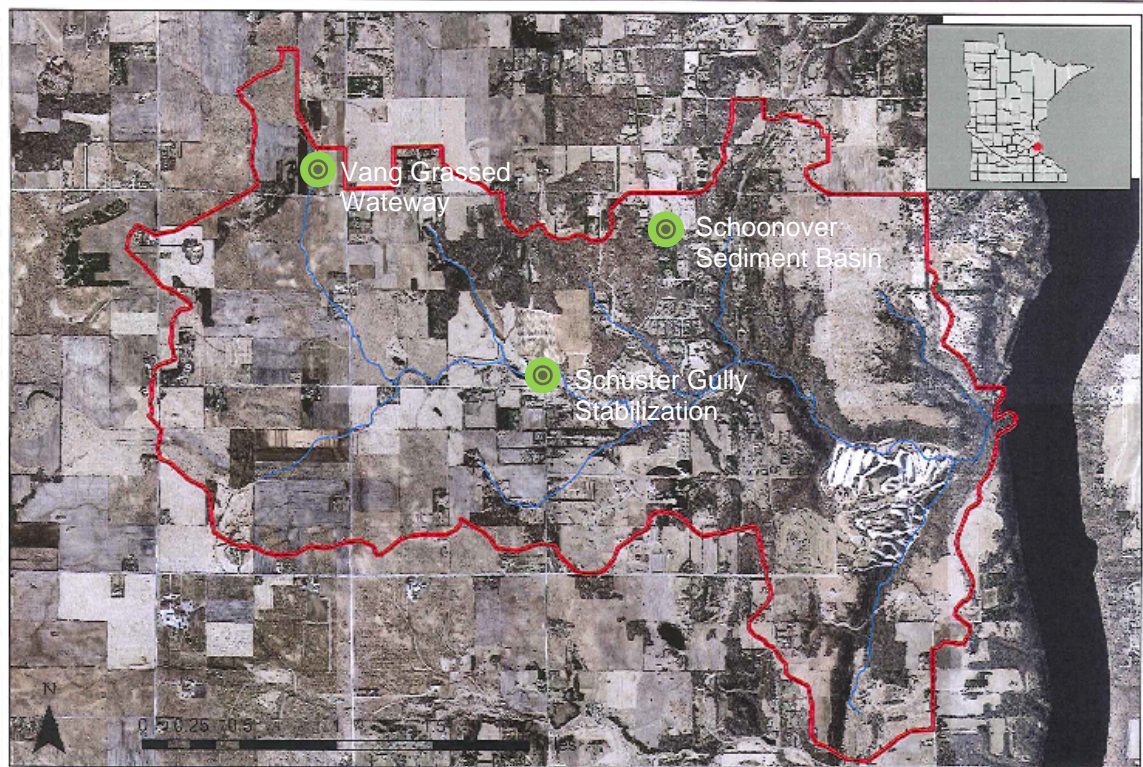
Schoonover Sediment Basin



Outlet—Schoonover Basin



Schuster Ravine Stabilization



Trout Brook Watershed Restoration

Trout Brook
Trout Brook Watershed