

Project Summary – One Page Project Summary Handout

Streambank Stabilization in the Chesapeake Bay –
A Collaborative Initiative to Improve Stream Health and Reduce Nonpoint Source Pollution
Project #C990002557
Grantee: Trout Unlimited

Project Description - Pennsylvania is blessed with over 86,000 miles of streams and rivers and some of the highest quality coldwater habitats. Unfortunately, many coldwater streams have become degraded through past land practices and are in need of improvement. The purpose of this project was to stabilize streambanks within the Chesapeake Bay watershed to reduce sediment and nutrient pollution and increase habitat for trout and other coldwater organisms. More specifically, the focus of this project was to use a variety of in-stream best management practices and stabilization structures to reduce sediment and nutrients within the Laurel Run watershed in Huntingdon County, Little Killbuck Run watershed in Cambria County, and Little Laurel Run watershed in Clearfield County.

Project Goals - The goals of the project were to improve and restore 7,880 feet of stream, reduce 38,500 pounds of sediment annually, reduce 44 pounds of nitrogen annually, and reduce 20 pounds of phosphorus annually from coldwater streams in central PA.

Project Results - Three projects were completed from fall of 2021 through fall of 2022 by Trout Unlimited staff, PA DCNR staff, PA Game Commission Staff, and a hired Contractor under the construction oversight of Trout Unlimited. In total, 78 fish habitat and streambank stabilization structures were installed throughout three watersheds. The project led to the restoration of 10,096 feet of stream, the reduction of an estimated 46,502 pounds of sediment pollution annually, the reduction of an estimated 53 pounds of nitrogen pollution annually, and the reduction of an estimated 24 pounds of phosphorus pollution annually.

Pictures

Before: Streambank erosion



After: Stream stabilized with habitat structure



Project Costs - \$49,362.00 – Growing Greener

Lessons Learned - This project confirmed that strong partnerships and good pre-grant planning make for manageable and successful projects

Partners - PA DEP, PA DCNR (Moshannon State Forest, Rothrock State Forest, Prince Gallitzin State Park), PA Game Commission, Richard King Mellon Foundation, USA Youth Fly Fishing Team, Bash Contracting, Clearfield County Conservation District, Huntingdon County Conservation District, and Cambria County Conservation District

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