

Raccoon Creek Streambank Remediation Phase 2
Growing Greener Grant # C990002508
Beaver County Conservation District

PROJECT DESCRIPTION Sedimentation is the leading cause of impairment to streams in Pennsylvania, and Raccoon Creek is no exception. This project was to address the erosion issues at the site using natural stream channel design and habitat friendly in-stream structures. The project designed in installed a series of five rock and log j-hook vanes. Project timeframe: 12/19/2019-11/30/2022

PROJECT GOALS Halt bank erosion, reduce sedimentation, improve aquatic habitat for fish, mussels, and macro-invertebrates, and improve water quality by restoring bank stability in Raccoon Creek. Also, to protect phase 1 structures, phase 1 planted buffer, and continue to protect the agricultural fields.

PROJECT RESULTS The project consisted of a series of five rock and log j-hook vanes. The rock and log j-hook vanes are protecting the streambank and phase 1 structures. No further erosion is occurring at the project site. The structures are providing instream habitat for aquatic organisms. The length of the streambank being protected is approximately 410 feet and the sediment load reductions to Raccoon Creek is approximately 60 tons per year.

Before Project



After Project



PROJECT COSTS \$25,235.00 Growing Greener Grant. \$6,720.04 Matching Funds from BCCD and ACCD.

LESSONS LEARNED Setbacks to projects can occur, especially when unforeseeable circumstances such as COVID are involved. Project plans sometimes must be slightly adjusted to best fit the property owners needs and to fit the current project site conditions.

PARTNERS Beaver County Conservation District and Allegheny County Conservation District. David E. Beale was the consultant and Growing Season's Landscaping, LLC was the contractor.

CONTACT INFORMATION Beaver County Conservation District, Hannah Ward at hannah.ward@bccdpa.us