

RACCOON CREEK STREAMBANK PROJECT
Growing Greener Grant # C990000739
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 with attached root wads and live stakes. Project timeframe: 5/1/2018-12/31/2021

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.

PROJECT RESULTS The project consisted of a series of five rock and log j-hook vanes with attached root wads and live stakes. Rock and log j-hook vanes with attached root wads are protecting that streambank and no further erosion is occurring at the project site. The live stakes were planted and will provide additional protection to the streambank. The length of the streambank being protected is approximately 500 feet and the sediment load reductions to Raccoon Creek is approximately 35 tons per year.

Before Project



After Project



PROJECT COSTS \$18,975.42 Growing Greener Grant. \$4,287.31 Matching Funds from BCCD.

LESSONS LEARNED Setbacks to projects can occur, especially when unforeseeable circumstances such as COVID are involved. Permitting an extensive and thorough process which can push back the timeline for projects, but with hard work and following procedures much can be accomplished.

PARTNERS Beaver County Conservation District. David E. Beale was the consultant and Fryer Excavating was the contractor.

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