

Final Report Project Summary  
**Buffalo Creek Restoration Project - 4100081619**  
***Western Pennsylvania Conservancy***

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**PROJECT DESCRIPTION**

Buffalo Creek is a tributary to the Allegheny River, located in Armstrong County. Project partners diligently worked to reduce the sediment loads within the watershed through the installation of in-stream habitat and stream bank stabilization devices on Buffalo Creek. Monitoring before and after was completed on these projects to help substantiate project results.

**PROJECT GOALS**

The primary goal of this project was to reduce sediment to improve water quality in Buffalo Creek. More than 1,500 feet of excessively-eroding stream banks were identified and prioritized through partner efforts to reduce sediment loads within the watershed. Partners worked collaboratively to install devices to immediately protect and stabilize the eroding banks and add valuable fish habitat to this heavily-used public stocked-trout fishery.

**PROJECT RESULTS**

Through the completion of the stream bank restoration project, project partners stabilized more than 1,500 feet within the Buffalo Creek watershed by constructing 19 in-stream habitat devices built with logs and stone. Final visitation and pictures show that the eroding stream banks are permanently stabilized, and native grasses and wildflowers have taken root. More than 100 riparian trees and shrubs have been planted, as well.

**PICTURES**



**PROJECT COSTS**

Growing Greener grant monies received totaled \$70,115.02. Total project costs exceeded \$83,875.66 and were comprised of in-kind partner match and the generous support of the Armstrong County Conservation District, PA Fish and Boat Commission, and the local Buffalo Valley Sportsmen Club.

**LESSONS LEARNED**

Unbeknownst to us beforehand, a new bridge was being built nearby at the same time our project was scheduled to go to construction. This caused some logistical and scheduling challenges to our project. In the future, when project planning and scheduling, it is advisable to research any potential conflicting construction work near the project site. Coronavirus protocols from all partners were followed, but it does add to the complexity of scheduling staff and contractors, arranging travel and implementing construction activities. However, this project has demonstrated that it is possible to continue this vital watershed restoration work, while practicing more-stringent safety measures in the field.

**PARTNERS**

Project partners included Buffalo Valley Sportsmen Club, PA Fish and Boat Commission, Armstrong County Conservation District and Western Pennsylvania Conservancy.

**CONTACT INFORMATION**

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