

Final Report Project Summary

Deer Creek Restoration Project - SW160107 *Western Pennsylvania Conservancy*

PROJECT DESCRIPTION

Deer Creek is a tributary to the Allegheny River, located in Allegheny County. Project partners diligently worked to reduce the sediment loads within the watershed through the installation of instream habitat and streambank stabilization devices on Deer Creek in summer of 2019. Monitoring before and after was completed on these projects to help substantiate project results.

PROJECT GOALS

The primary goal of this project was aimed at sediment reduction to improve water quality in Deer Creek. More than 1,300 linear-feet of excessively eroding streambanks were identified and prioritized through partner efforts to reduce sediment loads within the watershed. Partners worked to collaborate on the installation of devices to permanently stabilize the eroding banks and add valuable fish habitat to this heavily-used public stocked trout fishery.

PROJECT RESULTS

Through the completion of the streambank restoration project, project partners stabilized more than 1,300 feet within the Deer Creek watershed. Pre- and post-project monitoring was completed with macroinvertebrates studies. These macroinvertebrate communities saw slight improvements within the different metrics used. Final visitation and pictures show that the eroding streambanks are permanently stabilized and native grasses and wildflowers have taken root.

PICTURES



PROJECT COSTS

Growing Greener grant monies received totaled \$38,642. Total project costs exceeded \$52,897 and were comprised of in-kind partner match and the generous support of conservation district, PFBC, and the local Bayer Corporation.

LESSONS LEARNED

The bridge construction / demolition coordinating was interesting at times. In the future, looking up any local construction that could possibly be going on at the time near the project site would aid with project planning. Weather played a role in sampling efforts of Deer Creek, while this variable is out of our control, planning dates and stream flows will be in consideration.

PARTNERS

Project partners primarily included Bayer Corporation, PA Fish and Boat Commission, Allegheny County Conservation District and Western PA Conservancy.

CONTACT INFORMATION

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