

Spruce Creek Stream Restoration
C990002499
Western Pennsylvania Conservancy

PROJECT DESCRIPTION Through this project, we restored 750 feet of Spruce by installing one modified mudsill, six cross vanes, six log-framed stone deflectors, and 21 random boulders. We planted 115 trees and shrubs over 0.7 acres. Species included swamp white oak, red maple, eastern redbud, American sycamore, paw paw, eastern white pine, elderberry, red-osier dogwood, serviceberry, nannyberry, hazelnut, and highbush blueberry. Project timeframe: December 31, 2020 through December 31, 2022.

PROJECT GOALS The main goal of this project was to improve in-stream habitat, reduce nutrient and sediment loadings, and plant a riparian forest buffer.

PROJECT RESULTS We restored 750 feet along Spruce Creek and planted 115 trees and shrubs over 0.7 acres of riparian area. We greatly enhanced the in-stream habitat and angler experience at one of the few public fishing access sites along Spruce Creek. We also reduced sediment loads by 1.77 tons/year, nitrogen loads by 46.62 pounds/year, and phosphorus loads by 1.22 pounds/year (FieldDoc application).



Spruce Creek Before Restoration



Spruce Creek After Restoration

PROJECT COSTS \$39,757.29 Growing Greener Grant and \$19,995.43 matching funds

LESSONS LEARNED Having a strong partnership helped to make the project run smoothly and efficiently

PARTNERS Pennsylvania Fish & Boat Commission, Huntingdon County Conservation District, Little Juniata River Association

CONTACT INFORMATION Western Pennsylvania Conservancy, Jennifer Farabaugh at ifarabaugh@paconserve.org