

Upper West Branch Brandywine Stream Restoration Project 2015 to 2016



Stream before restoration

This project restored 1,300 feet of stream on the upper west branch Brandywine Creek in Honey Brook Township. The work involved stream bank stabilization, in-stream structures such as cross vanes, J-hooks and toe rip-rap. In addition, three livestock crossings were installed for access to pastures as well as fencing the entire length of the stream. A tree-and-shrub buffer was planted to complete the project. Construction was in fall 2014 and the buffer planting was in April 2015.

This is one of four projects along this stretch of stream which total over 1 mile. The projects are all part of the Restoration Plan for the Upper West Branch Brandywine completed in 2010, which serves as a guide to project selection. The stream was assessed in 2010 using PADEP's ICE protocol and annual assessments are being made by the Stroud Water Research Center and the Academy of Natural Sciences of Drexel University to measure changes. This monitoring is being supported by William Penn Foundation. These projects are part of a Watershed Renaissance Initiative grant from PADEP's Growing Greener Program.



Cross vane and livestock crossing installation



Stream livestock crossing



Stream after restoration

Restoration Design: Clauser Environmental LLC

Construction: Flyway Excavating

**Funding: PADEP Growing Greener, William Penn Foundation,
City of Wilmington, Chester Co. Solid Waste Authority, TreeVitalize**

Cost: \$153,000



**Brandywine
Red Clay Alliance**

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