

Project Description - The Plum Run Watershed Renaissance Initiative is part of Brandywine Red Clay Alliance's (BRC) focus on the Stream Restoration Plan for Plum Run Watershed with a focus on prioritizing and aggregating several projects to make a greater impact on water quality within a watershed. Sediment, nitrogen, and phosphorous pollution are the major sources of impairment targeted for reduction in these plans. The 4,800 project was broken into three phases. This report focuses on the 1,900 feet of stream restoration completed in Phase 1 in August, 2020.

Project Timeframe – December 07, 2017 through December 31, 2020

Project Goals - The major goal of the project is to reduce sediment, nitrogen, and phosphorous pollution, reconnecting flood plains and improving aquatic habitat.

Pictures –



Project Results - The restoration project included stream bank grading and in-stream structures such as root wads, j-hooks, cross veins, and mud sills to reduce bank erosion and provide aquatic habitat. Over 1,200 live stakes were planted as part of the grant, and through a partnership with Stroud Water Research Center over 1,000 trees were planted on a 9.4-acre buffer.

Project Costs - \$150,000 Growing Greener plus an additional \$117,925 in match funds.

Partners - East Bradford Township, National Fish and Wildlife Foundation, William Penn Foundation, Clauser Environmental, Flyway Excavating, Stroud Water Research Center.

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