

R. Erdman Riparian Buffer Tree Planting Project

Location: Salem Township

Date of Installation: April 2024

Design Features: Riparian Forest Buffer

Cost: \$10,187.00 of Agriculture Conservation Assistance Program funds with \$1,528.00 of match contributions for a total project cost of \$11,715.00.

Client: Richard Erdman

Project Partners: Westmoreland Conservation District, State Conservation Commission, Pennsylvania Department of Agriculture



Riparian Forest Buffer with Tree Tubes and Shrub Cages.

Project Contact: Chelsea Gross, chelseag@wcdpa.com, and Allie Shreffler, allie@wcdpa.com

Project Specifications/Benefits

A riparian forest buffer of 325 trees and 114 shrubs within approximately 2.25 acres was installed on prior cropland. The riparian buffer was completed in about 3 days. This best management practice will help reduce sediment and nutrient runoff to waterways. The forest buffer is composed of a mixture of tree and shrub species within 3 zones. Zone 1 being closest to the stream, which has wetter soils, to zone 3 towards the top of the slope, which has dry soils. Native tree species were assigned specific zones based on their soil preference. Tree tubes were installed on the tree species and wire cages were installed on the shrub species to protect them from deer browsing. The project is located within Beaver Run which is classified as a High Quality watershed by the Department of Environmental Protection.

Before: Mowed farming field.



After: Riparian Forest Buffer Planted.

