DEP GROWING GREENER

Elder Run Streambank Stabilization Project

Project #201701234644

Project Description - The Elder Run Stream bank Stabilization Project was initiated with the intention of reducing nonpoint source pollution effects associated sediment loads to Sandy Creek from an unstable tributary stream corridor. Elder Run is a 560 acre watershed that discharges to the Pennsylvania Department of Conservation and Natural Resources Lake Wilhelm within Maurice K. Goddard State Park. The stream corridor is impacted by streambank erosion and it was proposed that stabilizing these banks would reduce the annual maintenance cleaning of the culverts which pass stream flows through a Township roadway.

Project Timeframe – December 7, 2017 through December 31, 2020

Project Goals - In addition to reducing maintenance removal of sediment from the stream, the stabilization of these streambanks was expected to provide in-stream habitat for aquatic organisms and reduce lateral stream migration. The streambank stabilization techniques that were proposed to be utilized in the project were in-stream structural devices that can be found in the Habitat Improvement for Trout Streams guidance published by the PA Fish and Boat Commission.

Project Results - A total of (8) Single Log Vane Deflectors, (8) Root Wad Deflectors, (8) Saw Tooth Deflectors, (2) Cross Vanes, and (1) Modified Mud Sill were constructed to reduce erosion in the project area.

Project Costs - $40,247.00 Growing Greener plus an additional $8,661.00 in match funds.