

Agricultural and Streambank BMPs
Growing Greener Watershed Protection Grant #4100080715
Sponsor: Lycoming County Conservation District

PROJECT DESCRIPTION

This project took place over four years on four properties along Wolf Run. Prior to this project livestock were fed outdoors year-round on an unimproved surface. The animal concentration area (ACA) grew to more than an acre in size during the winter months. Manure and sediment-laden water was observed flowing into Wolf Run during heavy rain or snowmelt events. Farm access roads were constantly washing sediment into the floodplain. At the stream project locations, the stream banks were severely eroding dropping tons of sediment into Wolf Run each year.

The ACA was replaced by the roofed heavy use area protection and roofed manure stacking facility, which eliminated runoff of manure and sediment from this area. Farmstead erosion was addressed by roof runoff structures, underground outlets, and rock-lined waterways.

Eroded streambanks were addressed by installing fish habitat enhancement structures and planting trees and shrubs.

Project Timeframe: May 1, 2018 – December 31, 2021.

PROJECT GOALS

Eliminate manure and sediment runoff from the farmstead and address severe streambank erosion on four properties in the watershed.

PROJECT RESULTS

This project saves 397.80 pounds of Nitrogen, 182.70 pounds of phosphorus and 79.4 tons of sediment from entering the Chesapeake Bay each year.

PICTURES



PROJECT COSTS

Total Project Cost: \$291,878.13. Growing Greener - \$199,754.25, Act 13 – \$53,790.32, Landowner – \$5,162.24

LESSONS LEARNED

Communication is the key to a successful project. Make sure everyone knows what is going on at all times.

PARTNERS

Lycoming County Conservation District, USDA – Natural Resources Conservation Service, Pennsylvania Fish and Boat Commission, Martin's Construction, LLC (builder), T Dunlap Construction LLC (Excavation), Miller's Seamless Gutters, Lycoming College Clean Water Institute (water quality monitoring).

CONTACT INFORMATION

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