

Bradford County Watershed Initiative 2020
Growing Greener Program - Document #C990002545
Bradford County Conservation District

PROJECT DESCRIPTION: Bradford County has miles of degraded streams that suffer from excessive bed and bank erosion. Oftentimes, this erosion directly affects the well-being of residents and stream property owners. Additionally, hundreds of undersized and failing stream crossings contribute to stream bed and bank erosion and exacerbate water quality issues. This project directly addressed erosion affecting private homes and critical infrastructure while reducing sedimentation.

PROJECT GOALS: Goals include reducing sediment, nitrogen, and phosphorus inputs into waters of Bradford County, and ultimately the Chesapeake Bay through soil stabilization along the stream corridor as well as upgrading stream crossings.

PROJECT RESULTS: This grant allowed the Bradford County Conservation District, along with its partners, to rehabilitate 1,695 feet of streambank through the installation of rock rip-rap bank protection, stacked rock toe protection, 3 constructed riffles, 2 rock barbs, and 1 agricultural crossing. Additional match funding allowed Dirt and gravel road best management practices to be completed on 2,150 feet of road within the watershed. In all, sediment reductions are estimated at 891 tons annually, which corresponds to annual Nitrogen and Phosphorus reductions of 1,960 lbs and 980 lbs, respectively.

PHOTOS: Project photos of a completed stream crossing project.



PROJECT COSTS: \$325,000 (Growing Greener); \$120,000 (SCC); \$265,000 (Smithfield Township); \$81,000 (Bradford County Commissioners); \$263,000 (NRCS - EWP); \$120,000 (DEP Special Projects)

LESSONS LEARNED: Great partnerships yield exceptional results.

PARTNERS: Bradford County Conservation District; Bradford County Commissioners; PA DEP; Smithfield Township; Landowners; USDA-NRCS

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