

Bradford County Sediment and Nutrient Reduction Initiative 2018
Growing Greener Program - Document #C990000764
Bradford County Commissioners

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 landowners owning stream property. This project directly addressed erosion affecting private homes and utilities and reduced sedimentation.

PROJECT GOALS: Goals include reducing sediment, nitrogen, and phosphorus inputs into Bradford County streams while protecting private residences and utilities.

PROJECT RESULTS: Stream bank rehabilitation occurred on approximately .45 miles of stream. Thirteen projects were completed and incorporated stream bank rehabilitation BMPs including: rock rip-rap placement; stacked rock walls; pinned rock with grouted rip-rap; bank grading; and seeding and mulching. Sediment reductions are estimated at 1,440 tons annually, which corresponds to annual Nitrogen and Phosphorus reductions of 3,600 lbs and 1,440 lbs, respectively. Furthermore, homes, driveways, and private utilities were protected against the threat of accelerated streambank erosion.

PHOTOS: Project photos of completed stream Best Management Practices (BMPs)



PROJECT COSTS: \$270,000 (Growing Greener); \$243,500 (Other Sources)

LESSONS LEARNED: Great partnerships yield exceptional results.

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

CONTACT INFORMATION: Daryl Miller, Bradford County Commissioner @ millerd@bradfordco.org
or Joe Quatrini, Bradford County Conservation District at joe.quatrini@pa.nacdnet.net