

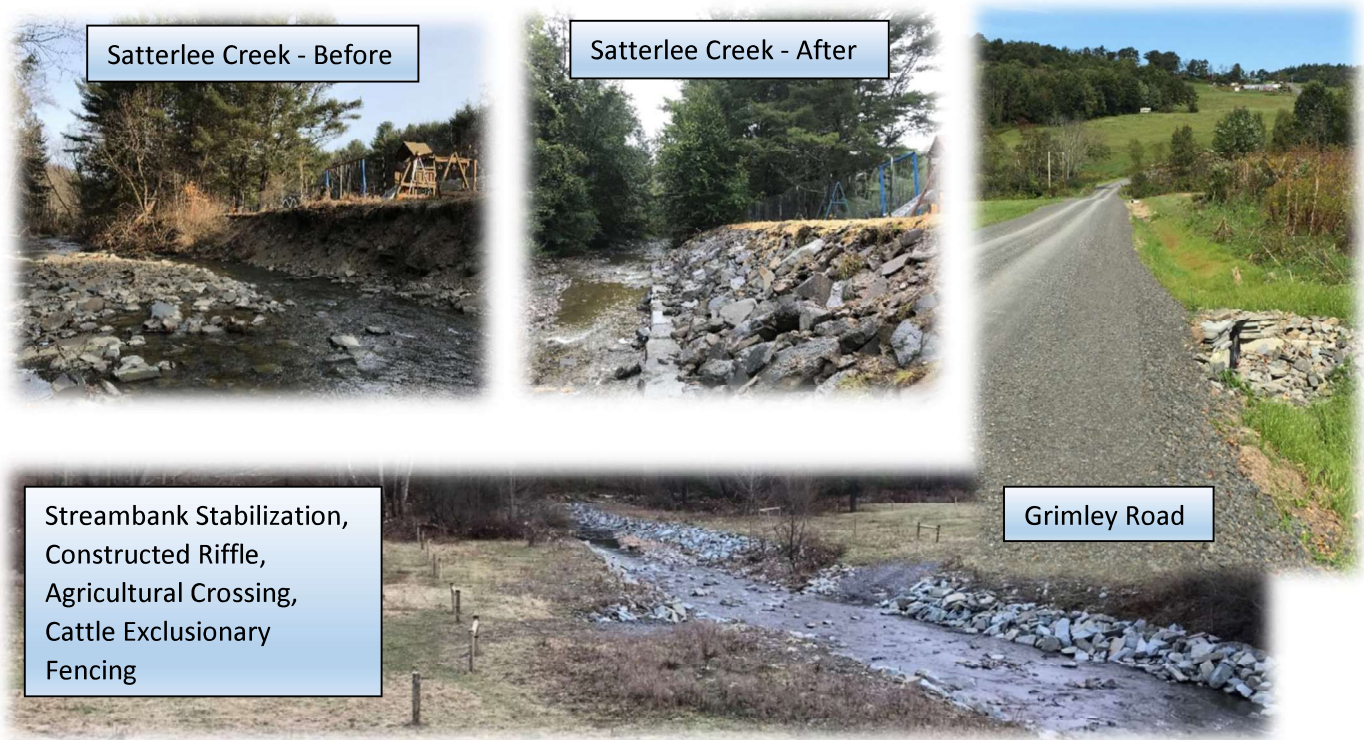
**Satterlee Creek Stream Corridor Rehabilitation
Growing Greener Program - Document #C990000537
Bradford County Conservation District**

PROJECT DESCRIPTION: Satterlee Creek, a tributary to the Susquehanna River, contributes significant amounts of sediment and nutrients into waters of the Commonwealth through streambank erosion and road and agricultural runoff. Streambank rehabilitation, riparian improvements, and dirt road stabilization occurred on multiple sites within the Satterlee Creek watershed.

PROJECT GOALS: Goals include reducing sediment, nitrogen, and phosphorus inputs into Satterlee Creek, and ultimately the Chesapeake Bay through soil stabilization along the stream corridor as well as on roads adjacent to waterways.

PROJECT RESULTS: This grant allowed the Bradford County Conservation District, along with its partners, to rehabilitate 2,750 feet of streambank through the installation of rock rip-rap bank protection, 2 constructed riffles, and 1 agricultural crossing. Approximately 3 acres of forested riparian buffer was established, and roughly 1,600 feet of riparian fencing was installed. Additional match funding allowed Dirt and gravel road best management practices to be completed on 3,000 feet of road within the watershed. In all, sediment reductions are estimated at 1,059 tons annually, which corresponds to annual Nitrogen and Phosphorus reductions of 2,649 lbs and 1,059 lbs, respectively.

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



PROJECT COSTS: \$165,000 (Growing Greener); \$48,000 (NFWF via Upper Susquehanna Coalition); \$119,000 (SCC); \$16,000 (Litchfield Township)

LESSONS LEARNED: Great partnerships yield exceptional results.

PARTNERS: Bradford County Conservation District; USDA-NRCS; Upper Susquehanna Coalition; State Conservation Commission; Center for Dirt, Gravel, and Low Volume Road Studies; Litchfield Township; Landowners

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