

Satterlee Creek Stream Corridor Rehabilitation
Growing Greener Program - Document #C990002546
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 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.

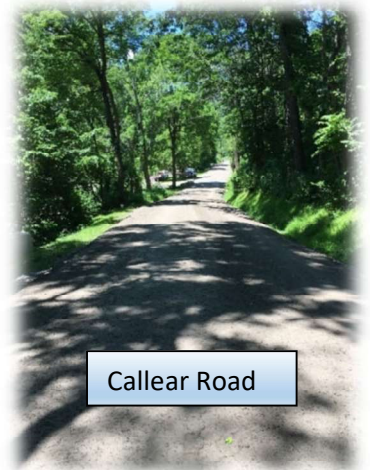
PHOTOS: Project photos of completed stream and road Best Management Practices (BMPs)



Satterlee Creek - Before



Satterlee Creek - After



Callear Road



Streambank Stabilization,
Constructed Riffle,
Agricultural Crossing

PROJECT COSTS: \$171,000 (Growing Greener); \$120,000 (SCC); \$16,500 (Litchfield Township); \$39,000 (Bradford County Commissioners)

LESSONS LEARNED: Great partnerships yield exceptional results.

PARTNERS: Bradford County Conservation District; Bradford County Commissioners; State Conservation Commission; Center for Dirt, Gravel, and Low Volume Road Studies; Litchfield Township; Landowners

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