

**Kettle Creek Nonpoint Source Sediment Reduction**  
**Growing Greener Grant 4100080631**  
**Grantee: Trout Unlimited**

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**Project Description**

Streambank stabilization and riparian buffer restoration were completed at two sites on Kettle Creek, Potter County. Forty-two PA Fish and Boat Commission habitat improvement structures were installed, which included modified mud sills, log-framed stone deflectors, root wad deflectors, and large wood additions. The devices were strategically installed to improve channel morphology and increase toe stability of actively eroding banks.

**Project Goals**

The primary goal of this project was to stabilize 1,460 feet of actively eroding streambank and restore approximately 1.5 acres of riparian buffer along Kettle Creek reducing a total of over 52,000 lbs. of sediment annually.

**Project Results**

This project restored 1,460 feet of actively eroding streambank and 1,500 feet of forest riparian buffer. A total contribution of 52,120 lbs. of sediment, 69.5 lbs. of nitrogen, 25.9 lbs. of phosphorus have been reduced annually.



*Before photo at Clukey family camp site.*



*After photo at same location.*

**Project Costs**

The total cost for this project was \$94,480 with \$32,100 from the Growing Greener grant and \$65,324.27 from matching funds.

**Lessons Learned**

The project was completed successfully without encountering any problems.

**Partners**

Partners that helped Trout Unlimited to complete this project included: PA DEP, PA Fish and Boat Commission, National Fish and Wildlife Foundation, landowners, and Western Pennsylvania Conservancy.

**Contact Information**

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