

Sandy Lick Creek Restoration Project

DEP Identifier 4100080666
Western Pennsylvania Conservancy

PROJECT DESCRIPTION

The City of Dubois maintains a public park and walking trail along Sandy Lick Creek through a flood control project area. The *Sandy Lick Creek Restoration Project* permanently stabilized 1,800 feet of highly-eroding stream banks within the flood control project. This was accomplished by removing a gravel bar, re-grading stream banks to a stable slope, constructing eight in-stream stone structures, and entrenching 650 feet of rock-armored toe-of-slope protection. The rock structures re-align and moderate flow velocities in the stream to stabilize the banks, yielding significant sediment reductions to this impaired stream, while simultaneously improving aquatic habitat.

PROJECT GOALS

The overarching goal of the Sandy Lick Creek Restoration Project was to stabilize 1,800 feet of heavily-eroding stream banks on Sandy Lick Creek to reduce sediment levels and improve water quality and aquatic habitat availability. This project was also meant to demonstrate successful water quality restoration utilizing proven streambank stabilization techniques that entail building standardized structures within the channel of a USACE flood control project area.

PROJECT RESULTS

The environmental results of this project include the permanent reduction of sediment and improvement of water quality directly through the implementation of 1,800 feet of stream bank stabilization and creation of eight in-stream habitat enhancement structures. This resulted in a measurable reduction of 450 tons of sediment per year and a total of 9,000 tons over a effective 20-year lifespan of the project.

PICTURES



Before



After

PROJECT COSTS

PA DEP Growing Greener funds \$223,068

LESSONS LEARNED

The project was started in September, 2019. Multiple high-water events significantly slowed down work progress, and construction was completed in 2020. If possible, it is best to work in low flow conditions.

PARTNERS

Clearfield County Conservation District, City of Dubois, Pa Fish & Boat Commission, Stahl Sheaffer Engineering, and PA Trout Unlimited

CONTACT INFORMATION

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