

Pennypack Creek Streambank Stabilization Report

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Project Description: The Pennypack Creek streambank was severely degraded near the confluence of the Delaware River, just a quarter mile away from a City drinking water intake basin, and in an area of Pennypack on the Delaware Park that was once an unregulated municipal dump. This project stabilized 175 linear feet of the streambank by three rock weir projections, with tidal herbaceous, and woody and herbaceous native plantings in the riparian zones between a vane.

Project Goals: The project was intended to reduce the release of historic buried trash into the Delaware River, and minimize the 63 tons of suspended sediment that were entering the stream channel annually.

Project Results: Constructed three rock jetties that are dissipating downstream and tidal flows to arrest the loss of bank, riparian forest, and trail. The project will eliminate 50 cubic yards of suspended sediment (34 tons) entering the stream channel annually.



Project Costs: \$279,228.25

Lessons Learned: Delays caused by permitting and escalating construction costs required value engineering. Additional bench plantings will be made in spring 2025.

Partners: Philadelphia Parks and Recreation; Enviroscapes, Ltd.; Sovereign Consulting

Contact Information: Riverfront North Partnership, Stephanie Phillips,
sp@riverfrontnorth.org