

Coldwater Heritage Partnership Final Report

Organization: Northcentral Pennsylvania Conservancy **Year:** 2022

Stream Name: Little Pine Creek

Grant Round: 2022 (BRC-SR-27-8)

Project Title: Little Pine Creek State Park Streambank Stabilization

Information about the public meeting held after receiving the grant and prior to beginning the project A public meeting wasn't held. The Northcentral Pennsylvania Conservancy did reach out to the Pine Creek Preservation Association, the Lloyd Wilson Chapter of Trout Unlimited, the Susquehanna Chapter of Trout Unlimited, the Lycoming County Conservation District, and other groups and individuals about the project. Additionally, the Pennsylvania Fish and Boat Commission and Bureau of State Parks shared information through their media channels.

Before and after photos of the project site(s) taken from the same vantage point.



Project summary - What did you do and when? How did you do it? Who was involved? Where did it take place?

During the first 2 weeks of September a crew of Pennsylvania Fish and Boat Commission's stream habitat staff worked with a private contractor at Little Pine State Park to install structures and slope the stream banks back. The project is intended to stop further erosion along the streambank and to provide better opportunities for high water to flow up and out of the banks.

The project site is at Little Pine State Park in the area of the shooting range. This stream stretch is a Keystone Select reach.

Project outcomes - Were all project objectives met? If not, which ones and why not? Is project considered complete? If not, what remains to be accomplished?

The fully designed project wasn't constructed. We were delayed in starting by 2 days due to rain (yes, there was a drought and the weekend before we started, a tropical system came through). Additionally, there were issues with the rock delivered by the quarry that caused delays.

This "phase" of the project is considered complete. Conversations are underway about next steps (see below) that would allow additional work to be undertaken.

Project sustainability/next steps - Discuss the long-term sustainability of the project. What are potential threats to sustainability? Describe monitoring, operation and maintenance plans for the project. Describe any future efforts that would increase the benefits of the current project.

The staff from State Parks' Central Office are beginning to work on the dredging plan for the lake at the State Park. As part of that plan, they are including funds to continue the stabilization work and complete was wasn't finished this year. They have also asked Pennsylvania Fish and Boat Commission to continue the design work and look at the entire stretch owned by DCNR.

The threats to the sustainability of this project are largely upstream. If activities take place upstream that decrease infiltration and increase the amount of water coming downstream at one time, there is a risk that the project could be impacted.

The staff from the Bureau of State Parks will be monitoring the site and reaching out to the Fish and Boat Commission if they notice any problems.

List partners and volunteers and describe their involvement in the project including number of people, number of donated or in-kind hours, etc.

<i>Partner/Volunteer</i>	<i>Involvement</i>	<i>Measurables</i>
Pennsylvania Fish and Boat Commission	Designed project, oversaw construction, implemented design, adjusted design due to work delays and issues with stone deliveries	\$14,250 (see attached letter documenting time and equipment use)

Little Pine State Park	Provided some construction assistance	(they have not yet provided any accounting of their staff time)
Lycoming County Conservation District	Provided some construction assistance	Carey Entz – several pre-construction conversations; on site Friday, 9/16
Paige (volunteer)	Assisted with seeding and mulching	Friday 9/9 – 3 hours
Northcentral Pennsylvania Conservancy	Coordinate funding, order supplies, manage project logistics	Sara Schlesinger – 48.25 hours, value of \$1,085.63; Reneé Carey – not tracked by site

Accomplishments and outputs:

Observed or measured improvement to overall condition of the stream or watershed.

The before and after photos above show part of the improved condition. The streambank has been sloped back to slow high water, the toe of the slope is stabilized (hard to see actual structures), and the slope is vegetated.

Riparian buffer projects and natural stream channel projects:

Number of linear feet/acres improved (Remember to account for both stream banks if applicable.)

1,500 linear feet were improved.

Number of structures placed, if applicable

- 2 modified mud sills
- 10 rootwads
- 1 sawtooth modified mud sill
- 15 random boulders
- 24 live stakes (Willow)