

**Tubmill Trout Club Unlimited, 2021 Stream Habitat Improvement Project  
Coldwater Conservation Implementation Report- Henry Neiport Phase-I**

The following information should be included as part of the final project report:

- Information about the public meeting held after receiving the grant and prior to beginning the project
  - a. No specific public meetings were held. Public comment was welcomed at a Tubmill Trout Club Unlimited board meeting, the first Sunday in July 2019 at 7 pm.
  - b. Organizations represented by attendees: Tubmill Trout Club board of directors were present with no landowners or public comments being rendered. This project was scheduled for 2020 and was postponed due to weather until 2021. The sole landowner was from Clarion PA and had passed away during the year of delay. All additional dealings were handled by email with the son of the deceased.
- Before and after photos of the project site(s) taken from the same vantage point. See photos at the end of this document.
- Project summary
  - a. What did you do and when?  
Stream habitat improvement was constructed in 1000 feet of Tub Mill Creek during the last week of June.
  - b. How did you do it?  
Using excavators rock trucks and a bobcat along with paid and volunteer labor.
  - c. Who was involved?  
The Western Pennsylvania Conservancy, Pennsylvania Fish & Boat Commission and Tubmill Trout Club volunteering members with other interested volunteers.
  - d. Where did it take place?  
In the Tub Mill Creek within the Henry Neiport farm near Bolivar in Fairfield Twp. of Westmoreland County Pa.
- Project outcomes
  - a. Were all project objectives met?  
All objectives were met.
  - b. Is project considered complete:  
This first phase is considered not yet complete.  
If not, what remains to be accomplished:  
Tree and shrub planting remains and is planned for the fall or next spring.
- Project sustainability/next steps
  - a. Discuss the long-term sustainability of the project. What are potential threats to sustainability?

*Presently a small, funded sustainability account exists. As agreements expire our partner group will evaluate long-standing success of a particular project and design upgrades and additions as needed. Signed agreements exist with all parties involved.*

b. Describe monitoring operation and maintenance plans for the project.

There are no permanent residents of this property currently. The Tubmill Trout Club Unlimited members will be vigilant, watching for any needed repairs after high water events. Landowner and TTCU have signed operation and maintenance agreements for a period of ten years, in which the landowner will not alter or disturb the installed devices.

c. Describe any future efforts that would increase the benefits of the current project.

There is plenty of stream length within this farm and the landowner is willing to plan additional stream improvement phases through this farm property in the future.

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

1. Tubmill Trout Club had 4-6 participants donating 4-8 hours each day, each man.

2. Western Pennsylvania Conservancy had 3 (WPC) paid personnel and 3 contracted personnel at 10 hours each day each man.

3. Pennsylvania Fish and Boat Commission had 4 paid personnel at 8 hours each day each man.

- Accomplishments and outputs
  - a. Observed or measured improvement to overall condition of the stream or watershed.
- As mentioned, this meandering section of stream was the subject area of highly degraded habitat due to erosion. Now exists a stream having true potential with a narrowed, deepened, faster flowing channel. Also, this project arrested the problem of stream encroachment into a state road right-of-way. We expect roughly 70 tons annually of sediment removed from channel and deposited onto stream edges. We also expect fishermen to welcome the many challenging changes created to accommodate trout being stocked in this stream.
  - a. Riparian buffer projects and natural stream channel projects:
    - i. Number of linear feet/acres improved (Remember to account for both stream banks if applicable).
- Number of linear feet/acres improved; 1000 feet of stream channel, 1200 feet of stream banks.
- Number of structures placed, if applicable; 2-Log Framed Cross Vanes, 2 – Log Framed stone deflectors, 3 – Single Log deflectors, 4 – Modified Mudsill and root ball insertions. 25-30 Random Boulder placement

Before and after construction photos.

