Coldwater Conservation Implementation Reporting Guidelines

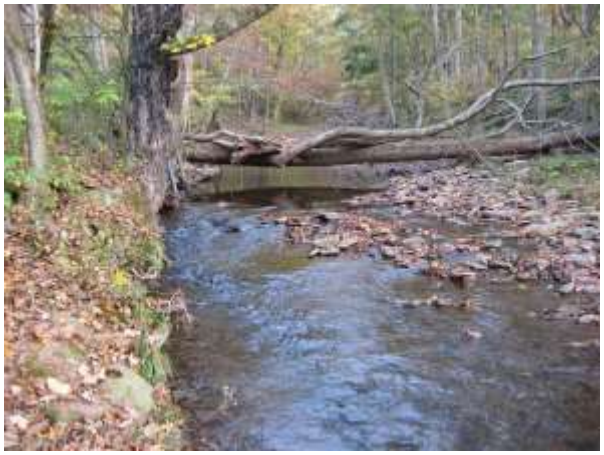
Public Meeting

A public meeting was held at the home of a member of the Bobs Creek Stream Guardians on June 23, 2022. It was open to the public and 10 people attended. A presentation was given about stream restoration and the upcoming project on Bobs Creek. Members of Bobs Creek Stream Guardians and Pavia Sportsmen's Club were in attendance.

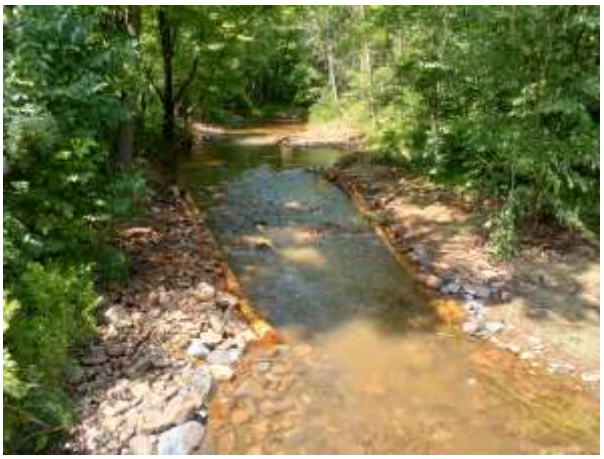
Photos

Stiffler site before stream restoration

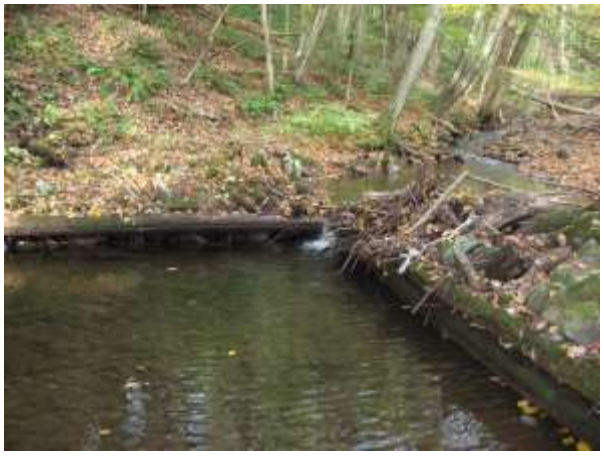
Stiffler site after stream restoration



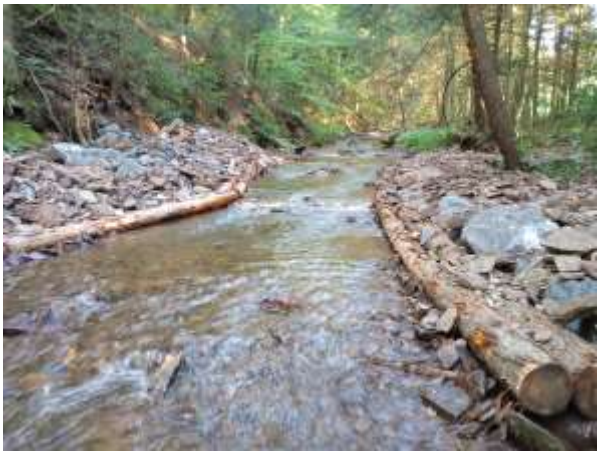
Blue Knob State Park Data Logger Site before



Blue Knob State Park Data Logger Site after



Wallacks Branch Burnt House site before



Wallacks Branch Burnt House site after

Bobs Creek Kids' Area site after restoration

Bobs Creek at Ickes site after restoration

Project summary

We successfully completed Phase 1 of our project in 2022. This included construction at the Stiffler and Ickes properties from July 27th through July 29th. Deliverables included restoring 250 feet of streambank by installing four in-stream structures along Bobs Creek. We installed three log-framed stone deflectors and modified one cross vane.

We successfully completed Phase 2 of our project in 2023. This included construction along Wallacks Branch and Bobs Creek in Blue Knob State Park from July 5th through July 15th. Deliverables included restoring 2,050 feet of streambank by modifying four old jack dams and turning them into log-framed cross vanes along Wallacks Branch, and installing two modified mudsills, two log framed stone deflectors, and one log-framed cross vane along Bobs Creek.

Pennsylvania Fish and Boat Commission provided the design and construction oversight for the project. Members of Bobs Creek Stream Guardians and the Bedford County Conservation District helped with construction. Additionally, DCNR provided a skid steer and operator for the projects that were completed at Blue Knob State Park.

Project outcomes

We exceeded the original project objective of restoring 200 feet of stream. We restored 2,050 feet of stream and installed 13 in-stream habitat structures. This was accomplished by acquiring funds from Bedford's Countywide Action Plan. We also had a contact that was able to get us a good price for the stone needed for the project. The total project reduced sediment loads by 10.7 tons/year. The project at these sites are considered complete.

Project sustainability/next steps

These projects are built to last at least 30 years. They require little to no maintenance when installed correctly. Occasionally, if an extremely large storm event comes through (i.e. remnants of hurricanes), some rock may wash away. Members of the Bobs Creek Stream Guardians will monitor the site. If they notice any damage to the structures, they will report that to us, and we will work with them to repair the structures.

We are continually working in the Bobs Creek watershed to repair eroding streambanks and restore the stream to a more natural channel. Additional sites have been identified for future projects.

Partners

Bobs Creek Stream Guardians were instrumental for having the project completed. They provided initial outreach to landowners, volunteers for hand-labor, and lunch each for everyone each construction day. In total, they provided more than 200 volunteer hours with two to eight volunteers each construction day.

Pennsylvania Fish and Boat Commission provided the designs and construction oversight for the project. They also provided their tool truck to complete the construction.

Bedford County Conservation District provided funding through their Countywide Action Plan. They also provided a staff member to help with construction for two days.
Department of Conservation and Natural Resources provided funding for Phase 2 of the project. They also provided a skid steer and operator to help load the rock truck.

Accomplishments and outputs

We installed thirteen in-stream structures to improve 2,050 feet of stream along Bobs Creek and Wallacks Branch. Sediment was reduced by 10.7 /year (NFWF FieldDoc tool).