

The Big Cove Creek Stream Corridor Restoration Project
PA GROWING GREENER GRANT doc# C990000833
Sponsor: The Fulton County Conservation District

PROJECT DESCRIPTION:

To reduce stream impairment due to nutrient and sediment inputs on both banks of more than 4,000 feet of Cove Creek's impaired mainstem. These goals were to be achieved through the use of riparian buffers, livestock exclusion fencing, off stream livestock watering and stream restoration techniques including floodplain reestablishment and stream structures to improve bank stability and fish habitat (J-hooks, rootwads, rock/log vanes)

PROJECT GOALS :

To improve bank stability and stream function by improving stream pattern, profile and streamside forest buffers - reducing sediment erosion along the length of the stream reaches on three farms in the Big Cove Creek watershed, a watershed deemed impaired by agricultural runoff.

PROJECT RESULTS INCLUDE:

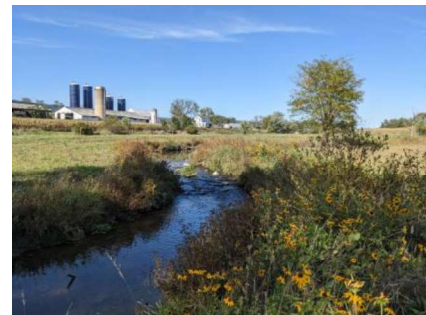
- 8,000 feet of streambank fence installed to exclude grazing livestock.
- 4,000 feet of streamside forest buffers planted, including 1,450 containerized native trees/shrubs and 1,500 native live stakes (willows, dogwood, elderberry, etc.)
- Approximately 100 rootwads, 16 cross rock vanes, 2 J-hook vanes and 21 single arm log/rock vanes were installed, as well as extensive areas of enhanced riffle and several backwater/floodplain habitat features.
- Three stabilized stream crossings to facilitate stable stream banks and bottom



Before



During



After

PROJECT COST: \$747,882 in Growing Greener Grant Funding. More than \$250,000 in matching funds.

PARTNERS: These projects utilized landowner dollars as well as funding through PA Growing Greener, the NRCS EQIP program and PA DEP Countywide Action Plan (CAP) and PA DCNR Streamside Forest Program.

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