

pennsylvania DEPARTMENT OF ENVIRONMEN PROTECTION

Bureau of Watershed Restoration and Nonpoint Source Management



Partnership Approach to BMP Implementation

September 2024 STAC Quarterly Meeting Nature Inn at Bald Eagle State Park September 10, 2024

Josh Shapiro, Governor

Jessica Shirley, Acting Secretary



Northcentral Pennsylvania Conservancy







Pennsylvania Department of Environmental Protection



Stream Corridor BMP's

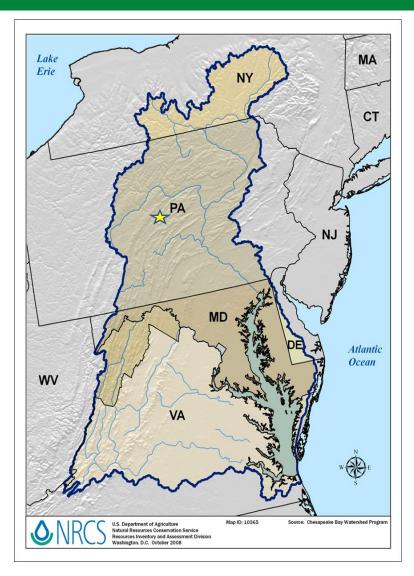


In-Stream Structures

Cattle and Equipment Liv Crossings Ex

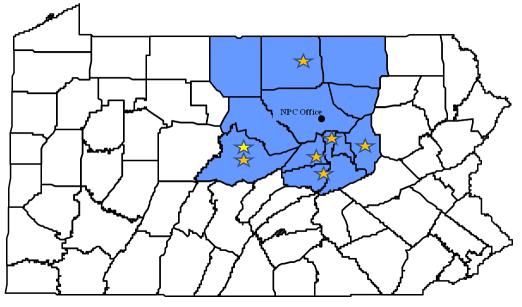
Livestock Exclusion Fencing **Riparian Plantings**

Northcentral Stream Partnership



Partner Goals:

- Decrease Accelerated Erosion
- Improve/Create Aquatic Habitats
- Build Lasting Landowner Relationships
- Find the "Win-Win" Solution



"Everyone does a little so no one has to do it all"



Northcentral Pennsylvania Conservancy



Pennsylvania

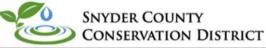
Department of Environmental Protection



UNION COUNTY CONSERVATION DISTRICT



COLUMBIA COUNTY **CONSERVATION DISTRICT**

















Conservation & Natural Resources



USDA Natural Resources Conservation Service U.S. DEPARTMENT OF AGRICULTURE



Western Pennsylvania Conservancy











Bank Erosion and In-stream Structures

Turtle Creek Union County





Mudsill Cribbing



Turtle Creek, Union County

Wilson Creek, Tioga County



Completed August 2024



Warrior Run, Northumberland Co.



Completed August 2024

Halfmoon Creek, Centre County



Hemlock Creek, Columbia County



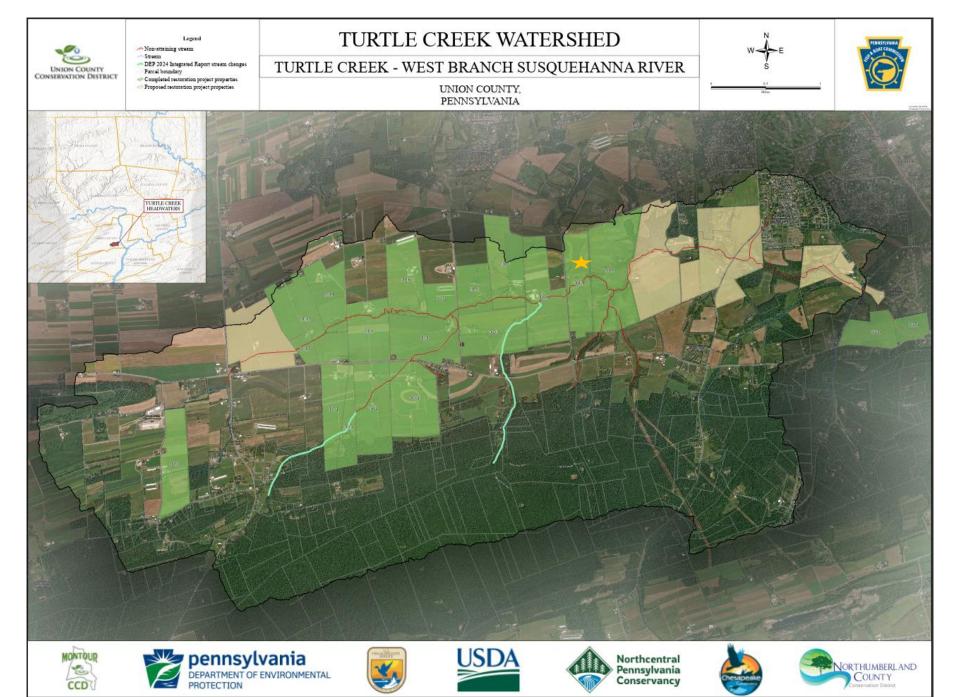


Completed June 2024

Susquehecka Creek, Snyder



Completed July 2023



Delisted Segment



Completed July 2014



After

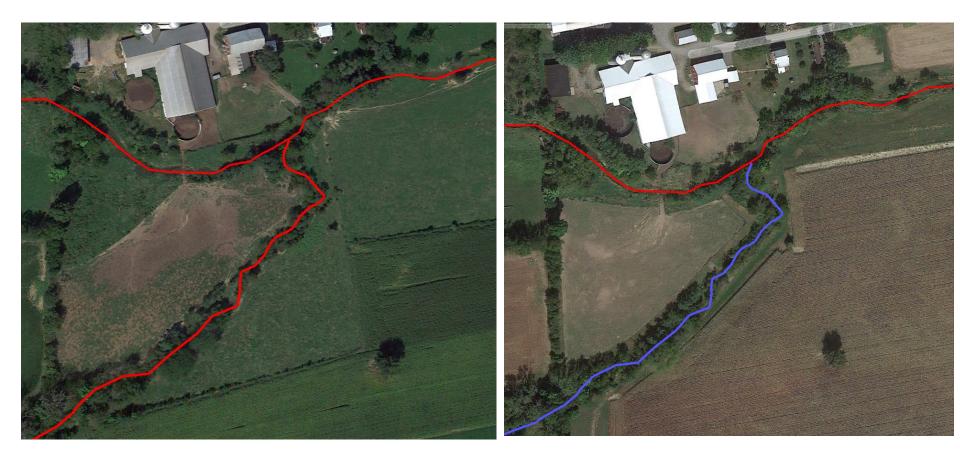
In-stream Structures Livestock Exclusion Fencing Crossings Riparian Plantings Pasture Improvement

Turtle Creek Un-mapped Tributary

Benefits: Shade Clean Gravel Substrate Limited Fine Sediment Inputs Vegetated to Water's Edge Pasture Improvements

Plan Developed by Partners...





Turtle Creek Delisted Segment

BMP's Implemented: Livestock Exclusion Fencing Stabilized Crossings Instream Habitat Structures Riparian Buffer Planting Livestock Walkway

Landowner Changes:

Pasture to Buffer Pasture to Hayland Pasture to Cropland

Number of Projects Completed in Sediment Impaired Watersheds

- North Fork Cowanesque: 7
- Wilson: 3
- Limestone Run: 6
- Hemlock Creek: 8
- Susquehecka Creek: 5
- Beaver Run: 8
- Chillisquaque Creek: 7
- Mahoning Creek: 4
- Buffalo: 4
- Turtle Creek: 21
- Limestone Run Montour/North'd: 19
- Little Shamokin: 20
- Schwaben Creek: 11





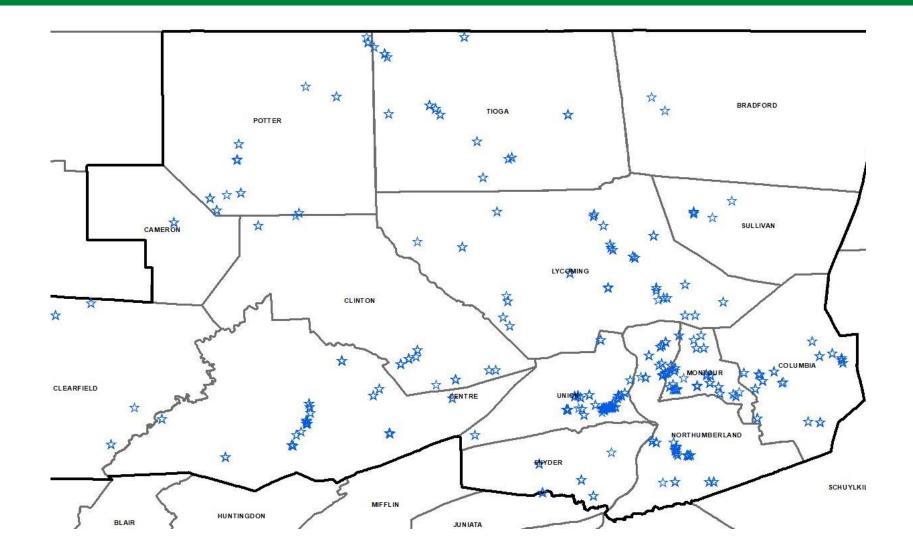








Partnership Project Locations 2009-2023







SNYDER COUNTY CONSERVATION DISTRICT

Pennsylvania











WARRIOR RUN SCHOOL DISTRICT













Natural Resources Conservation Service U.S. DEPARTMENT OF AGRICULTURE

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