

**Project Description** - This project implements restoration and conservation practices in the Conewago Creek watershed at three priorities sites identified in the Conewago Creek 319 WIP.

**Project Timeframe** – October 01, 2018 through July 31, 2023

**Project Goals** – The following projects were proposed: Wenger Project (29). 550 linear feet of stream bank restoration and approximately 1-acre of riparian buffer establishment. Nissley Project (118). 550 linear feet of stream bank restoration and approximately 1 acre of riparian buffer establishment. Schmidt Project (89 and 91). 2,500 feet of stream bank fencing, three stabilized crossings/water access areas, 900 feet of stabilized animal crossings, approximately 3 acres of riparian buffer establishment, and animal concentration, runoff diversions and manure storage improvements for approximately 30 cattle. These projects will meet water quality goals by collectively reducing nutrients and sediment by the estimated amounts of 2,730.3 lbs./yr. of nitrogen, 570.6 lbs./yr. of phosphorus and 360,202 lbs./yr. of sediment.

**Pictures** –



**Project Results** – The WIP Site #64 Project successfully restored 520 linear feet of Conewago Creek and forest riparian buffer downstream of Prospect Road, eliminating eroding stream banks, improving stream access to floodplain, and providing increased forest cover along the stream to reduce nutrient and sediment pollution to the Conewago. The restoration project installed four mounds totaling 381 feet, three brush mattresses totaling 116 feet, a zigzag wall totaling 65 feet, 67 feet of bank grading, two rock vanes, and eight random boulder clusters. The entire area was stabilized with grass seed and jute matting. 130 native trees and shrubs were planted after the restoration work was completed, totaling 1 acre of restored forest riparian buffer. Tubes and stakes were purchased through Octoraro Native Plant Nursery and trees were provided by the Donegal Chapter of Trout Unlimited/Penn State Agriculture and Environment Center native tree nursery. Elizabethtown Rotary partnered with TCCCA for the volunteer buffer planting.

**Project Costs** - \$186,625 EPA Section 319(h) plus an additional \$41,787 in match funds.

**Partners** – Lancaster County Conservation District, RETTEW Associates, tri-County Conewago creek Association, US Fish and Wildlife Service, and Wild Resources Inc.