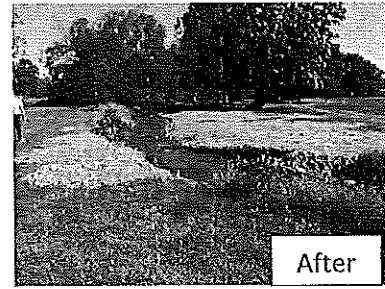
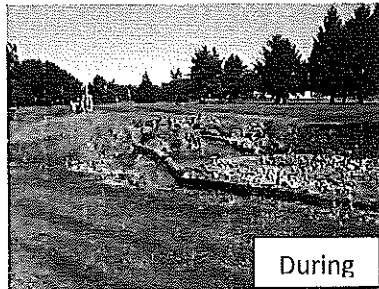


LOST CREEK RESTORATION: PHASE II
DOCUMENT NUMBER: 4100080119
GRANTEE: Juniata County Conservation District

Project Description: The Lost Creek watershed has high water quality at the well forested headwaters; however, water quality begins to decline when the stream enters the agricultural valley region. The transition from high quality to degraded quality primarily occurs at the Lost Creek Golf Course. Non-source point impairments restrict uses and affect aquatic life. The Lost Creek Restoration: Phase II project was a continuation of the stream restoration work completed with funding provided by a National Fish and Wildlife Foundation (NFWF) grant in 2015- 2017. The Lost Creek Restoration was for the improvement of water quality and the remediation of environmental degradation within in the watershed by addressing non-point source pollution through use of control measures and restoring instream habitat for aquatic organisms.

Project Results: USFWS completed the Lost Creek Restoration installations in September 2019. Installations included the following structures: 459 feet of muddill, four (4) rock cross vanes, two (2) log cross vanes, two (2) rock vanes, two (2) log cross vanes, 495 feet of bank grading/bankfull bench/bioengineering, one (1) rubble vane, and a riparian buffer consisting of 70 trees/shrubs.

In addition to the proposed installations, USFWS found need to install one (1) channel block, one (1) rock riffle, 110 feet of rock toe, and 243 feet of toe log. Of those proposed installations, one (1) rubble vane, 272 feet of muddill, six (6) log cross vanes, and eight (8) log vanes were not installed.



Project Cost: \$106,994.31; Growing Greener Plus Grant

Lessons Learned: Heavy rainfall and upstream stream reconstruction completed in 2016 and 2017 caused stream variation from initial assessment. On site adjustments were made within the confines of the budget while maintaining the integrity of the project and its effectiveness.

Partners: Juniata County Conservation District and LC Noon Group, LLC. US Fish and Wildlife Services was the contractor.

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