

# Warwick Township Santo Domingo Creek at Route 501 Floodplain Restoration Project

Spring 2024

## Restoration Near Rock Lititz

Warwick Township is collaborating with landowners along a portion of the Santo Domingo Creek to restore approximately 2,350 linear feet of floodplain along a severely eroded and unstable portion of the Santo Domingo Creek. This project anticipates reducing sediment discharge into the Santo Domingo Creek Watershed by over 1 million pounds per year. This project will connect to the existing Rock Lititz Floodplain Restoration project that extends over 3,130 linear feet of the Santo Domingo Creek habitat. Combined, these areas will provide over a mile of restored channel and floodplain, and more than 25 acres of wetlands and riparian buffer.

Project partners include Warwick Township, Lititz Run Watershed Alliance, Rock Lititz, National Fish and Wildlife Foundation, PA Department of Community & Economic Development Keystone Communities Program, ELA Group, Inc. and LandStudies, Inc. to implement this water quality and habitat improvement project.

Construction of this floodplain restoration project is targeted for Spring 2024.

## What is a Floodplain Restoration?

Floodplain restoration is a holistic approach that attempts to address present-day impairments and reestablish a functional floodplain-wetland system that had historically existed on site. Floodplain restoration practices include legacy sediment removal and native vegetation establishment, which provide increased floodplain capacity and establish expansive floodplain-wetland systems that provide significant water quality benefits.

## Purpose

The main goals of the Santo Domingo Creek at Route 501 Floodplain Restoration Project are to **provide water quality improvements, stormwater and flood management, and native habitat restoration** to the Santo Domingo Creek Watershed, other downstream waters, and ultimately the Chesapeake Bay.

As part of the township's Municipal Separate Storm Sewer System (MS4) Permit, it is required to implement Best Management Practices (BMPs) to reduce pollution discharge to the waterways. This restoration project is a BMP that will achieve significant sediment and nutrient reductions as part of Warwick Township's MS4 permit requirements.



Existing Site Conditions



Restored Floodplain - Example