

Warwick Township Lititz Run at Ballstown Road Floodplain Restoration Project

Spring 2025

Floodplain Restoration at Millport Conservancy

Warwick Township is collaborating with landowners along a portion of Lititz Run to restore approximately 1,700 linear feet of floodplain along a severely eroded and unstable portion of Lititz Run. This project anticipates reducing sediment discharge into the Lititz Run Watershed by over 195,500 pounds per year.

Project partners include Warwick Township, Lititz Borough, Millport Conservancy, Lititz Run Watershed Alliance, Lancaster Clean Water Partners, Lancaster County Conservation District, Susquehanna River Basin Commission, and LandStudies, Inc. to implement this project.

Construction of this floodplain restoration project is targeted for Fall 2024 - Spring 2025.

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.

Based on preliminary site design calculations and pending permitting authorizations from the Pennsylvania Department of Environmental Protection and the United States Army Corps of Engineers, the Lititz Run at Ballstown Road Floodplain Restoration Project will restore ~1,700 linear feet of existing impaired channel and re-establish ~8 acres of wetland.

Purpose

The main goals of the Lititz Run at Ballstown Road Floodplain Restoration Project are to **provide water quality improvements, flood management, and native habitat restoration** to the Lititz Run Watershed, other downstream waters, and ultimately the Chesapeake Bay. The project will also help to protect existing infrastructure in Warwick Township.

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