

# West Sadsbury Township Officers Run at Strasburg Road Stream Restoration

Completed in Spring 2025

## Officers Run at Strasburg Road Stream Restoration

West Sadsbury Township collaborated with landowners along ~890 linear feet of Officers Run to implement a stream restoration project where the streambank was unstable and actively eroding. This project helps reduce sediment discharge into Officers Run, and the Octoraro Creek Watershed, by nearly 40,000 pounds per year.

This restoration project returns the stream channel and floodplain to a more stabilized system with a functioning floodplain-wetland bench that provides water quality benefits, reduces erosion, and provides significant ecological uplift. The restored channel and surrounding wetland area provide critical habitat for a variety of fish, birds, and other species. Native herbaceous plants like grasses, sedges, rushes, and wildflowers, as well as trees and shrubs, were planted to enhance the existing grass buffer and help filter pollutant runoff.

West Sadsbury Township teamed up with the Chester County Conservation District, the National Fish and Wildlife Foundation (NFWF), and LandStudies, Inc. to implement this water quality and habitat improvement project, which was constructed in Spring 2025. Construction was fully funded by the Chesco Chesapeake Communities Action Plan (C3AP) Non-Ag Implementation Grant and NFWF Chesapeake Bay Small Watershed Grant.

## Purpose

The main goals of the Officers Run at Strasburg Road Stream Restoration Project were to **provide water quality improvements, improved groundwater recharge, reduced erosion, and restoration of native habitat** within the Octoraro Creek Watershed, other downstream waters, and ultimately the Chesapeake Bay.

As part of West Sadsbury Township's Municipal Separate Storm Sewer System (MS4) Permit, the Township is required to implement Best Management Practices (BMPs) to reduce pollution discharge to the waterways. This restoration project is a BMP that will **satisfy the sediment and nutrient reduction requirements** as part of West Sadsbury Township's current MS4 permit.



In Progress - Vegetation Seeding & Planting



Pre-Restoration Site Conditions



Restored Stream - Example