Clean Water
State Revolving Fund

WETLAND STORMWATER RETENTION

STATE PROGRAM: Virginia Department of Environmental Quality

ASSISTANCE RECIPIENT: City of Waynesboro

ASSISTANCE AMOUNT: $870,376

PROJECT DESCRIPTION

The City of Waynesboro transformed a vacant field containing a small stream and dry detention pond into a wetland stormwater retention system that protects the South River and Chesapeake Bay from polluted run-off. This wetland is a Level 2 design, meaning it removes 75% of incoming phosphorus and 55% of nitrogen loads. The existing stream was re-routed through terraced pools and ponds created in the field, which serve to retain and delay the flow of excess water during rainstorms. Native plants and trees placed on-site help to filter and absorb the phosphorus and nitrogen from the polluted run-off before it moves downstream to the South River and the Chesapeake Bay. Additionally, the City plans to develop a community garden, trails around the ponds, and signs explaining the history of the project to allow residents of the nearby Jefferson Park neighborhood to enjoy the area. Waynesboro funded the $1.7 million project with a loan of $870,376 at 0% interest for 20 years through the Virginia Clean Water State Revolving Loan Fund and a state grant of $861,364 from the Virginia Stormwater Local Assistance Fund.

To read more about this case study, please visit https://www.epa.gov/sites/default/files/2017-11/documents/pisces_compendium_final2.pdf.