

SCHUYLKILL RIVER RESTORATION FUND

AIDEN LAIR PARK - Upper Dublin Stormwater Basin Retrofit

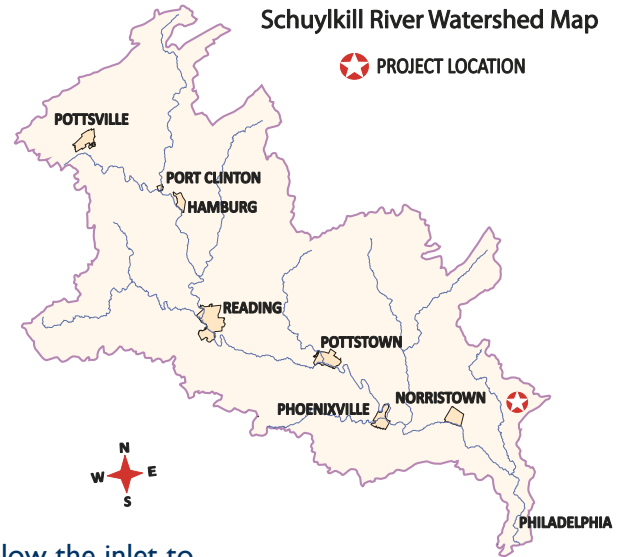
Project Overview

This project, located in Upper Dublin Township in the Wissahickon watershed, is a great visual example of how an existing stormwater basin, a dry pond designed to collect stormwater and release it slowly, can be upgraded to improve water quality. The retrofits made through this project enables the basin to hold back water and allow it to soak into the ground, minimizing runoff and flooding issues. It also filters the water, keeping harmful pollutants out of the creek. This basin is the collection point for a large suburban residential area. The site hosts a 18,000 sq/ft upper basin and a 21,500 sq/ft lower basin which includes a 240 foot flow channel.

A natural berm was installed in the upper basin just below the inlet to disperse rain water as it enters the basin. Natural wetlands were allowed to grow and the level of the upper basin outlet structure was raised 3”.

Three check dams were installed in the connecting channel to slow the water moving through the system, allowing time for groundwater recharge. Changes to the lower basin include water flow deflectors and regraded banks. Native trees and shrubs were planted throughout the entire project site and warm season grasses line the complete perimeter of the project.

Summary & Funding



Project Deliverables

- 39,500 sq/ft of storm water basin naturalized
- Installation of 3 check dams
- Installation of flow deflectors
- Over 150 native trees and shrubs and 400 plugs planted

Funding and Leveraged Dollars

Grant Award	\$20,000
Upper Dublin Township	\$19,000
Tree Vitalize	\$17,000
Total Project Cost	\$56,000

This project was matched by 64% of public and private dollars.

