



MS4 Work and Tree Vitalize Watersheds

Cost Effective
Stormwater Treatment

Robert Adams | August 7, 2019



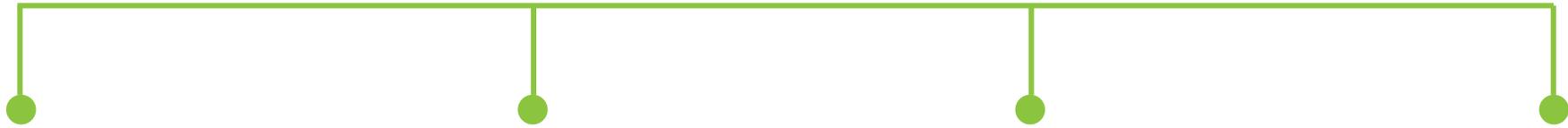


Advancing the greater good

- Building strong relationships between people
- Creating healthy living environments for everyone
- Increasing access to fresh food
- Expanding economic opportunity

How we deliver impact

Gardening for the Greater Good



Partnering with neighborhoods across the region



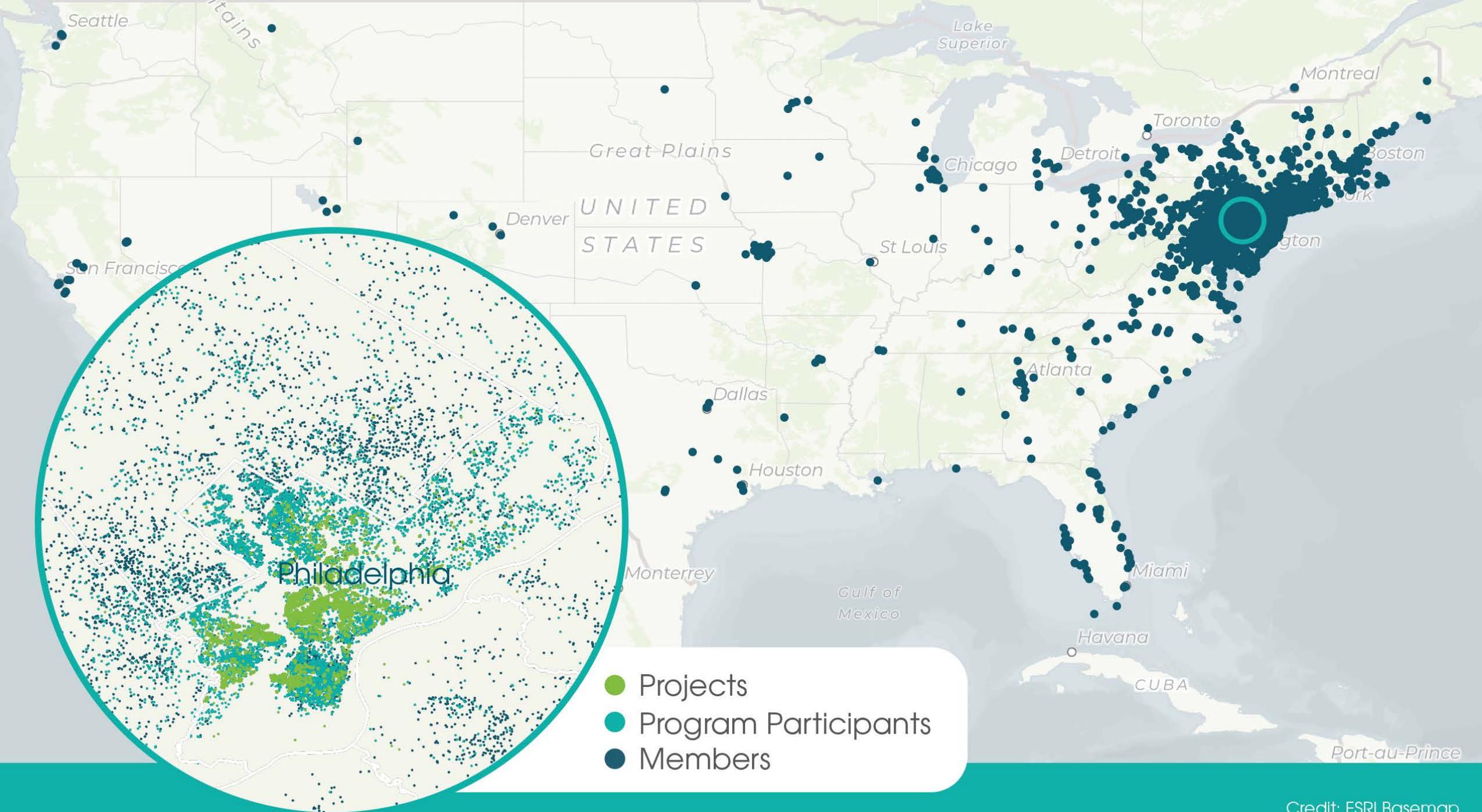
Providing free public gardens and landscapes



Engaging gardeners as advocates



Producing the Flower Show and other events





TreeVitalize Watersheds & MS4 Work



Church Road Basin Redesign

An early basin that wasn't providing water quality benefits or much else.



Inlet Before



Outlet before





What we changed

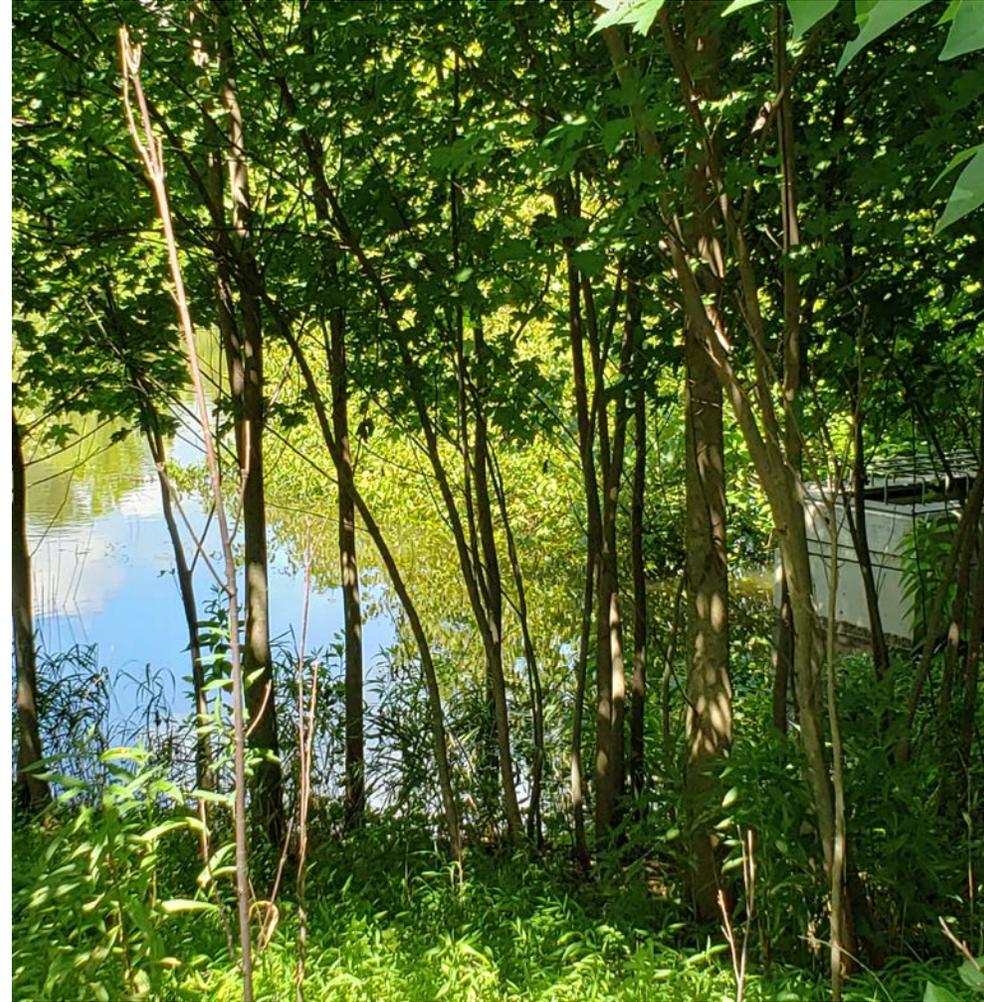
- Excavated the basin below present depth
- Replaced the outlet structure
- Installed a forebay
- Replanted with native trees, shrubs and wildflowers, using volunteers



Inlet and forebay 7 years later



Outlet Before and After



Upper Gwynedd Basins



Basin 1





Basin 3



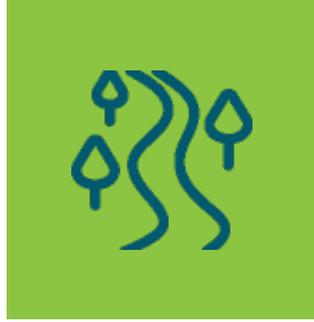


MS4 Credits

Upper Gwynedd was able to capture 132 acres of runoff.

That represents 7,709 pounds of sediment per year towards their MS4 requirements

These basins also provide scarce wetland habitat for birds and others.



TreeVitalize Watersheds

- Provides funding for projects that improve water quality
- Simple application process
- Low 25% match
- Limited funding for engineering and design
- Assistance from Conservation Districts is available





14 Years of TreeVitalize Watersheds

\$3.4 million in re grants

132,677 trees and 16,814 shrubs
planted in riparian areas and basins

856 acres of high quality riparian
buffers



Our Funders

Pa DEP Growing Greener

Aqua Pennsylvania

PECO



Questions?