

ASWM WATERSHED PROJECT INVENTORY DATA SHEET

3.29.19

Name and location of watershed: Delaware River Basin, located in New York, New Jersey, Pennsylvania, and Delaware

Size of watershed (in acres): 8,664,960 acres

Title of Project/Initiative: Delaware River Watershed Initiative

Setting: (please check all that apply)

- Urban (towns, cities, and suburbs with 2,500 inhabitants or more)
- Rural (anything outside the urban area)
- Inland
- Coastal

Need/Challenge Addressed (200 word limit):

The Delaware River Watershed Initiative (DRWI) is a large-scale, collaborative program that is taking action to maintain and improve the quality of aquatic ecosystems within the Delaware River Basin. The initiative's components include on-the-ground restoration projects, strategically targeted land protection, public outreach regarding water quality issues, coordination of professional and citizen-based monitoring groups, and sharing data and ideas to measure the changes in aquatic communities over time as a result of these efforts.

Goals & Objectives (please include ecosystem services/values focused on):

Clean Water for Millions

By protecting forests at the headwaters of the Delaware River and its tributaries, we can safeguard the drinking water source for 15 million people in four states.

Green and Livable Communities

The trees and plants that filter polluted runoff also beautify our neighborhoods, increase property values, and reduce flooding and erosion.

River Friendly Farms

Farmers are making smart choices to reduce fertilizer and pesticide pollution, keep fertile soil on the land, and shade and clean nearby streams.

Overall Strategy (i.e., what role do wetlands play in your project?)

The Delaware River Watershed Initiative aligns with over 50 organizations to scale up their impact and accelerate the protection of important landscapes, restoration of degraded areas, and adoption of green infrastructure and responsible farming practices. The Initiative focuses on eight targeted areas. Results are tracked via ongoing monitoring at more than 300 locations across the basin. Of the 8,664,960 acres that make up the Delaware River Basin, wetlands cover approximately 700,000 of those acres.

Strategies Include: Collaborative and Shared Learning, Land Protection, Stormwater Restoration, Agricultural Restoration, Community Engagement, and Floodplain Restoration.

Techniques Used (please check all that apply):

- Restoration (the manipulation of the physical, chemical, or biological characteristics of a site with the goal of returning natural/historic functions to former or degraded wetland.)
- Creation (the manipulation of the physical, chemical, or biological characteristics present to develop a wetland that did not previously exist on an upland or deep-water site, resulting in a gain in wetland acres.)
- Enhancement (the manipulation of the physical, chemical, or biological characteristics of a wetland (undisturbed or degraded) site to heighten, intensify, or improve specific function(s) or for a purpose such as water quality improvement, flood water retention or wildlife habitat.)
- Protection (the removal of a threat to, or preventing decline of, wetland conditions by an action in or near a wetland. Includes purchase of land or easement, repairing water control structures or fences, or structural protection such as repairing a barrier island.)

Team Members:

- **Team leaders (organizations, agencies or individuals that are responsible for overall project direction, outcomes and financing):** The William Penn Foundation (WPF), Open Space Institute (OSI), National Fish and Wildlife Foundation (NFWF)
- **Partners (organizations, agencies or individuals that are responsible for implementation of the project by agreement or contract):** Academy of Natural Sciences (ANS)
- **Collaborators (organizations, agencies or individuals that are involved in an advisory role):**
Institute for Conservation Leadership (ICL)

Stakeholders (organizations, agencies or individuals that are in some way impacted by the project):

15 million people rely on the Delaware River Watershed as a resource. Over 40 organizations are involved in the DRWI.

Overview/history (200 word limit):

How many individual projects are currently being implemented or are planned to be implemented within this broader watershed initiative? Please describe. Information not provided.

Is there a track record of past, completed projects in this watershed? If yes, please describe and provide available information regarding performance/effectiveness.

Information not provided.

Start and end dates (dates can overlap – estimates are acceptable):

- Planning: Information not provided.
- Implementation: 2014-Present
- Monitoring: 2014-Present

Cost – Financing (estimates are acceptable):

- **Planning:** Information not provided.
- **Implementation:**
 - \$30 million per year from WPF
 - \$7 million from NFWF
 - \$9 Million from OSI
- **Monitoring:** Information not provided.
- **Continual (are there ongoing maintenance costs that will be required?):** Information not provided.

Resulting benefits (please list what was measured and how):

Flood Control	Water Quality	Discharge	Hydrological Conditions	Wetland Restoration	Biodiversity/Productivity	Listed Species	Economically Important Species	Pub. Access, Rec, Awareness	Other Economic Benefits	Other
	X			X				X		filter polluted runoff,

Environmental benefits (e.g. water quality improvements, habitat protection or improvement, reduced phosphorus and nitrogen loads, etc.): Information not provided.

Financial or Economic Impact Benefits (e.g., avoided damage costs, increase in commercial fish revenue, increase in tourism revenue, etc.): Information not provided.

Non-Market Economic Benefits (may be monetized - e.g., increased value of recreation or aesthetics or other improvements using dollar values; or non-monetized descriptions of benefits – e.g., number of people who may benefit from improved recreation or aesthetics or other resulting improvements): Information not provided.

Other: Information not provided.

Are benefits based on actual measures or did you use a model to predict benefits?
Information not provided.

Is there a cost-benefit analysis available? Yes or No (If yes, include a copy with your response): Information not provided.

If you do not have any data currently available in regard to benefits, how do you plan to measure them? Information not provided.

Where there any innovative designs/technologies/policy changes created to enable the project or that resulted from the project? (If so, please describe) Information not provided.

Lessons Learned: Information not provided.

Do you have any images or photos to share?



FMI (please include contact name, organization, website, phone number and/or email address): Information not provided.