

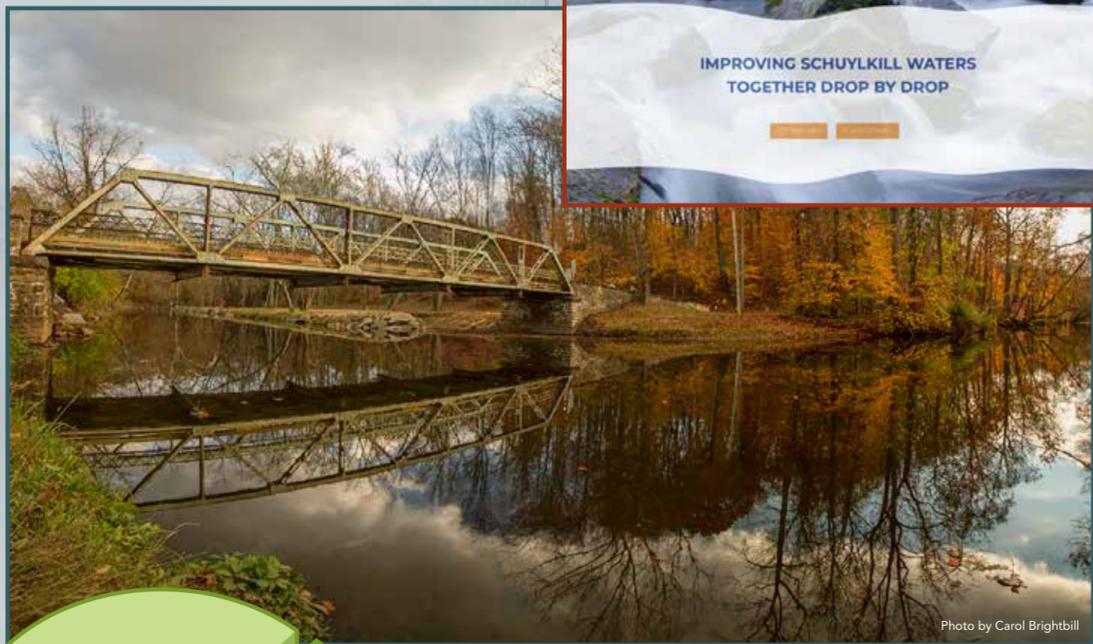
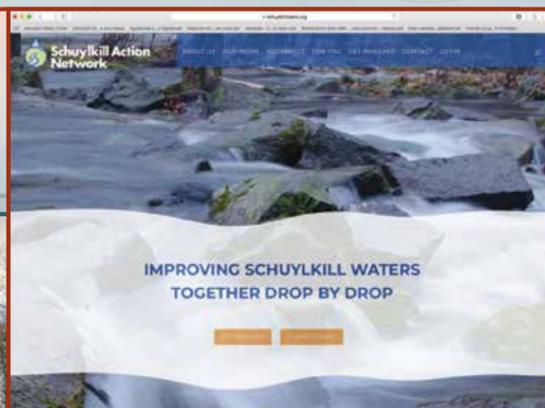
ABOUT THE SCHUYLKILL ACTION NETWORK

The Schuylkill Action Network (SAN) is a collaborative network with over 150 partner organizations all working together to protect and restore the Schuylkill River and its tributaries. The SAN protects this valuable resource through collaboration, implementation of clean water projects, and promotion of long-term stewardship.



SCHUYLKILL ACTION NETWORK NEW WEBSITE

In 2017, SAN partners worked together to create a new and improved **SchuylkillWaters.org**. This redesigned and user-friendly website was launched in early 2018, and houses information about SAN projects and partners, as well as information on our wonderful Schuylkill River watershed!



\$3.3 million
SRRF funding since 2006

\$364,193
from SRRF in 2017

\$5 million
leveraged in 95 projects since 2006

SCHUYLKILL RIVER RESTORATION FUND (SRRF)

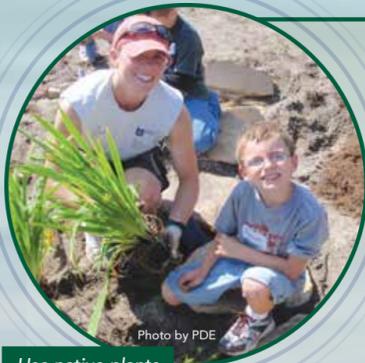
In 2017, Schuylkill River Greenways awarded \$364,193 in grants to fund 11 projects in the Schuylkill River Watershed.

SCHUYLKILL RIVER RESTORATION FUNDING AND LEVERAGED FUNDING SINCE 2006

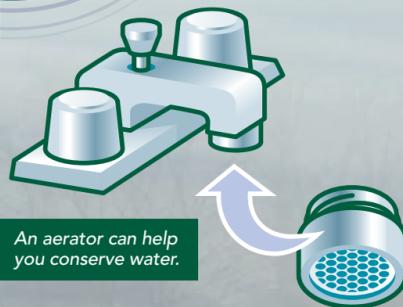
WHAT CAN YOU DO?

You can help to keep the Schuylkill River and the land that drains to it clean too!

- Scoop the poop! Pick up after your dog.
- Use reusable water bottles and reusable bags.
- Plant native plants in your yard.
- Volunteer for a Schuylkill Scrub trash cleanup!
- Do not flush any chemicals, pharmaceuticals, or products containing microbeads down the drain, toilet, or sink.
- Conserve water at home and work.



Use native plants when gardening.



An aerator can help you conserve water.



Pick up after your dog!



Volunteer at the Schuylkill Scrub.

PLANNING COMMITTEE PARTNERS



Partnership for the Delaware Estuary
110 South Poplar Street, Suite 202
Wilmington, DE 19801
1-800-445-4990
www.DelawareEstuary.org



Anyone can become a SAN member! Visit www.SchuylkillWaters.org and click **Get Involved**.

Follow us on social media!

Twitter: @SchuylkillWater

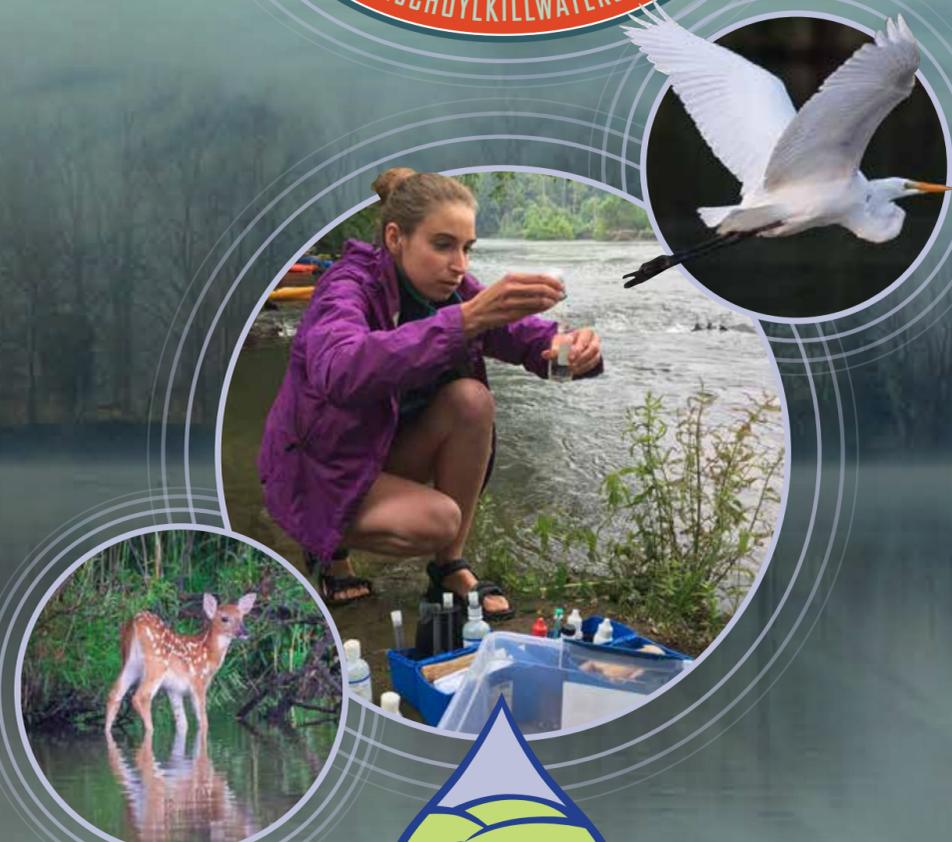
Instagram: @SchuylkillWaters

Facebook: [Facebook.com/SchuylkillWaters](https://www.facebook.com/SchuylkillWaters)

2018 PROGRESS REPORT

SCHUYLKILL ACTION NETWORK

WWW.SCHUYLKILLWATERS.ORG



ABANDONED MINE DRAINAGE

In the headwaters of the Schuylkill River, partners are improving pH levels and removing heavy metals from abandoned coal mine discharges. Some practices include:

- Heavy metal treatment systems
- Stream restoration projects
- Limestone dosing

2017 ACCOMPLISHMENTS:

- Managed eight treatment systems.
- Schuylkill Headwaters Association directly deposited limestone sand into West Creek and Dyer Run to improve pH levels.



Partners take water samples to assess how the treatment systems are functioning.

AMD before it's treated at Mary D, PA.

AGRICULTURE

SAN partners work with farmers to implement sustainable farming practices that protect clean water and improve productivity on farms. Some practices include:

- On-farm conservation plans
- Manure storage facilities
- Stormwater controls
- Riparian buffers

2017 ACCOMPLISHMENTS:

- 8 new comprehensive nutrient management plans
- 11 new manure storage basins installed
- 14 barnyard repairs
- 2 stream crossings
- 29.5 acres of riparian buffer plantings
- \$2,063,000 invested by Natural Resources Conservation Service (NRCS)



Example Farm showing:
A) Liquid Manure Storage
B) Dry Manure Storage
C) Riparian Buffered Stream
D) Stream Crossing
E) Cisterns & Rain Barrels

Illustration by Frank McShane



Partners visit a riparian buffer planting at the Durkin Farm.

EDUCATION & OUTREACH

SAN partners conducts outreach to educate and engage local residents about everyday actions that can protect clean water.

2017 ACCOMPLISHMENTS:

- Schuylkill Scrub stats
 - 1,752 cleanups
 - 28,040 volunteers
 - 784,035 pounds of trash removed
 - 2,587 tires collected
- Installed four storm drain art designs from the winners of the Schuylkill Street Art Contest
- Developed a Schuylkill River Watershed storm drain marker
- 1,286 entries submitted in the 2017 Green City Clean Waters Art Contest in Philadelphia



Photo by Ann Sellers



Schuylkill Scrub cleanup near Bartram's Garden.

Schuylkill Street Art Contest installation in Pottsville.

Photo by PDE

MAP OF THE SCHUYLKILL RIVER WATERSHEDS



KEY TO MAP

- River/Creek
 - Schuylkill River Watershed Boundary
 - Counties
- Scale in Miles: 0, 5, 10, 15



2017 WARNING SYSTEM EVENTS

Pervious pavement in a parking lot.



Photo by USDA



A rain barrel collects stormwater.



Northkill Creek in Berks County.

A section of the Schuylkill River trail in Phoenixville, PA.



Photo by PDE

RECREATION NEWEST WORKGROUP

The SAN developed a new workgroup to engage recreational users throughout the watershed, whether they be hikers, bikers, kayakers, birders, or outdoor enthusiasts!

2017 ACCOMPLISHMENTS:

- 212 participants in Schuylkill Sojourn
- Sly Fox Brewing Company has donated \$12,756 between 2013 and 2017 to help maintain the Schuylkill River Trail.
- Sponsored Sarah Chudnovsky as the 2017 Sojourn Steward to conduct water quality testing and engage participants.

DID YOU KNOW?

About 1.2 million people use the Schuylkill River Trail annually!

PATHOGENS AND POINT SOURCE

The Pathogens and Point Source workgroup tracks and shares information about point sources that may affect downstream water users. Better communication can prevent downstream contamination and protect public health!

2017 ACCOMPLISHMENTS:

- Delaware Valley Early Warning System protects the health and welfare of over 3 million people in the watershed.
- Did you know? PennVest invests in water infrastructure, stormwater management, and sewer improvement projects.
 - 2017 PennVest Investments
 - Water Infrastructure: \$12,134,252
 - Stormwater: \$1,382,362
- "What Not to Put Down the Drain" fact sheet developed.

STORMWATER

The SAN Stormwater workgroup implements green practices to absorb and filter polluted runoff from roads, sidewalks, parking lots, and roofs. Some green practices include:

- Rain gardens
- Naturalized detention basins
- Rain barrels
- Bioswales
- Pervious pavement

2017 ACCOMPLISHMENTS:

- Implemented green infrastructure on schools, as part of the Schuylkill Action Students program.
 - Collaborated with Green Valleys Watershed Association to naturalize a basin at West Vincent Elementary School.
 - Created a green master plan for the Montessori School in Upper Dublin Township.
- Provided three stormwater green infrastructure tours to 26 workgroup members.
- Coordinated five presentations from watershed professionals at quarterly meetings.

WATERSHED LAND PROTECTION

Partners throughout the watershed work to preserve high priority forest and farmlands to protect clean water.

2017 ACCOMPLISHMENTS:

- Preserved 2,036 acres in 18 different projects in the William Penn Foundation's Schuylkill Highlands cluster from 2014-2017.

DID YOU KNOW?

Berks County is the 3rd largest agricultural preservation program in the US, in terms of number of acres preserved.



A rain garden.

Background photo by Carol Tersine



Illustrations by Frank McShane