



Water Awareness Milestone in Prince William County; Clean Streams and Water Quality

Green Community, Healthy Streams and Healthy People

This spring (2017), 621 volunteers put in over 2530.5 volunteer hours under the District to support the course of clean streams and improved water quality in Prince William County. This number is compared to the 552 volunteers who put in 1951 hours in 2016.

The first half of 2017 experienced a quest and growing interest among residents to learn more about their water quality and to promote clean streams in Prince William County. This increase in water quality awareness shows the important role water plays in the communities in relation to human health and vitality.



Certification Training



Broad Run New Monitoring Site

The water cycle directly or indirectly affects human health and therefore the need for everyone to join in protecting and conserving this natural resource for the coming generations.

For a green and healthier community, there is need to promote clean streams and good water quality. For more impact, join the Soil and Water Conservation District for more water awareness in Prince William County and Northern Virginia.



Penn ES STEM students- Andrew Leitch

Join the District for Clean Streams and Waterways in Prince William County



Diarrhea



Vomiting



Typhoid



Diphtheria



Hepatitis



Kidney Damage



Nerve Disorders



Skin Lesions

Lesson Plan of Effects of Pollution on Environment

© 2015 Effective and Creative Lesson Plans 1

Adopt-A- Stream Program Notice

The District will continue to work with other partners to make sure that cleanup volunteers have all the support they need for their cleanup supplies and trash removal. The District looks forward to having a stronger working relationship with its volunteers in keeping the streams clean. Visit Map: [Adopt-A-Stream active and proposed sites.](#)

Contact: waterquality@pwsxcd.org

Impacts of Plastics in the Aquatic Environment

An EPA's Trash Free Waters program [webinar](#) by Dr. Chelsea Rochman, a leading expert on the effect of human litter.





Thank You



For Water Quality Monitoring

Janis Cook and team- Airport Creek, Occoquan
 Jass Cushman and volunteer- Ben Lomond Park
 LoriAnn Pawlik and Penn ES STEM Students- Andrew Leitch Park
 Sonnie Coffey and volunteers- Broad Run
 Jackie Lee, Prabisha Bhandari and Ingrid Guillen -Hooes Run
 Northern Virginia Cooperative Training volunteers
 Buck Arvin and PWC Master Naturalist Team team - Powells Creek
 National Park Service Authority- Battlefield and Prince William Forest Park

For Adopting Cleanup Sites (Adopt-A-Stream)

ALMO Conservation Action Group- Broad Run
 Keg Good -Neabsco Creek

Video on water quality/cleanup event visit:

<https://www.youtube.com/watch?v=Ef4JLlhFcbU>

Water Quality Monitoring Events



Monitoring at Hooes Run-
Occoquan



Monitoring at Broad Run
Newly adopted monitoring site



Monitoring at Powells Creek
(PWC Master Naturalist Group)

Water Quality Events

- July 6- Water Quality Monitoring at Flat Branch @ 10 am.
- July 22 - Floatable Monitoring at Andrew Leitch Park @ 10 am.
- July 28- Water Quality Monitoring and Floatable Monitoring Dawkin's Branch @ 10 am.

PRINCE WILLIAM FARM TO TABLE DINNER FOR ENVIRONMENTAL EDUCATION



Event to be held at the following time, date, and location:

Saturday, August 19, 2017 from
4:00 PM to 8:00 PM (EDT)

Windy Knoll Farm
11602 Kettle Run Road
Nokesville, VA 20181

Some Dates

All year round- Horticulture and Environmental Education-VCE-(See details below)

July 6 - Water Quality Monitoring at Flat Branch @ 10 am

July 22 - Floatable Monitoring at Andrew Leitch Park @ 10 am.

July 28 - Water Quality and Floatable Monitoring Dawkin's Branch @ 10 am

July 9-15 Youth Conservation Camp (click)

August 19- Prince William Farm to Table Dinner, Windy Knoll Farm @ 4pm

August 27- Tour of the Towns -Prince William bike event

September 30- Public Lands Day

September 30- Monitoring at Broad Run - trail via Victory ES @ 10 am

September-October: Clean Virginia Waterways-(Longwood University Campaign) [Sign up now](#)

October 10,11 & 12 - Farm Field Days

November 4- Veteran's Park/ Marumsco Creek Cleanup

December 2/9 -Jingle Bell Run



Need help with erosion and run-off control on your private property?

Contact the District for VCAP Assistance

Call 571-379-7514 or visit: <http://vaswcd/vcap>



How can you help Prince William County Waterways to be trash free?

To check cleanup programs in your neighborhood please, click [here](#).

Prince William Soil and Water Conservation District is working together with other organizations to reduce the amount of trash in waterways. The District will help provide

organizations to reduce the amount of trash in waterways. The District will help provide cleanup supplies to residents who would like to make an impact within the District at no cost. Participating groups will receive an Adopt-A-Stream sign in recognition of their stewardship. For more information write to waterquality@pwsacd.org.

You can also register your local events with the [Trash Free Potomac network](#)



Water Quality Programs



Stream Cleanup Programs



Signup Now for the 2017 International

Coastal Cleanup!

keep the Prince William County Watersheds clean from any location of your choice. Contact the District for support and free supplies

The District promotes 4 options for cleaning streams/creeks:

1. **Adopt-A-Stream / Adopt-A- Creek Program** - clean at least once a year for a two year commitment (Any time)
2. **Potomac River Watershed Cleanup** (Alice Ferguson Foundation)- one-time cleanup
3. **International Coastal Cleanup** (Clean VA Waterways) -one-time cleanup (September- October) - **Sign up is now Open**
4. **Earth Team Volunteer Cleanup** - one time cleanup(Any time)

For some cleanup sites in your neighborhood, click [here](#)

On how to get started with any of the stream cleanup programs or have any questions about which of the 4 options is best for you, please contact: waterquality@pwsacd.org.

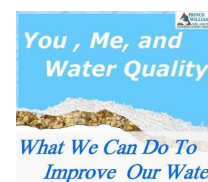
Water Quality Monitoring

Some Answers to your Questions

How often can a site be monitored?

Not more than 4 times in a year (quarterly).

What does it take to become certified?



What does it take to become certified?

1. Be able to [identify the critters](#).
2. Be able to properly [demonstrate the field protocol](#) in data collection.

Both 1 and 2 are easy and open book!

Must I be a certified stream monitor?

No, you can help the existing monitoring teams, too! But DEQ only accepts data that comes from certified stream monitors.

What is recommended before taking the certification test?

Take part in at least 2-3 stream monitoring events before sitting for the certification test.

["Prioritization Report: How volunteer and nontraditional monitoring can help fill data gaps in the Chesapeake Bay Watershed"](#)

Floatable Monitoring Program

Assess and trace trash that load into streams to reduce non-point source pollutant from urbanized and industrialized areas. This program is related to the County's Municipal Separate Storm Sewers (MS4) permit.

The District provides the cleanup supplies (grabbers, gloves, vests and trash bags). RSVP is recommended. Contact: waterquality@pwsxcd.org



Watch Video :- [Our Plastic Society](#)

- [Trash , litter and water quality awareness in PWC](#)

Prince William County Water Quality Directory: Please Click [HERE](#)

Recycling in Prince William County: Please Click [Here](#)



WHATS COMING UP UNDER THE DISTRICT

- July 6- Water Quality Monitoring at Flat Branch @ 10 am.
- July 22 - Floatable Monitoring at Andrew Leitch Park @ 10 am.
- July 28- Water Quality & Floatable Monitoring Dawkin's Branch @ 10 am.



Water Quality Monitoring Events

Thursday, July 6

Floatable Monitoring- Flat Branch

Time: 10 a.m.

Parking Location : Impalla Dr. Manassas, VA 20110

Residents in and around this community are invited.

RSVP to Veronica Tangiri: waterquality@pwsacd.org

Saturday, July 22

Floatable Monitoring at Neabsco Creek ,Andrew Leitch Park

Time: 10 a.m

Location: Andrew Leitch Park, Dale City

Join in monitoring this site for more water quality awareness.

RSVP to Veronica Tangiri at waterquality@pwsacd.org

Friday, July 28

Floatable Monitoring and Water Quality Monitoring Dawkin's Branch

Time: 9.30 a.m. - 12 Noon

Parking: Victory Elementary School :12001 Tygart Lake Bristow, VA 20136

RSVP to Veronica Tangiri at waterquality@pwsacd.org

2017 International Coastal Cleanup

September 16 for all global participants

Pick your own date between late August and early November .

- Pick a littered site of choice. It can be near a river, lake, stream or beach.
- Register your site here: <https://goo.gl/forms/GUa3RUHUsrtnU1Je2>
- After registering your cleanup, expect to receive supplies and event information in late summer.
- If your event is open to the public, it will be listed on CVW's Volunteer Sign Up website for recruiting volunteers.

Questions? Contact : cleanva@longwood.edu or call (434) 395-2602.

-DEQ's 2016 Citizen/Non-Agency Monitoring Activity Report

Each year, the Virginia Department of Environmental Quality (DEQ) develops a report summarizing the contributions of monitoring organizations to the agency's water monitoring program. The 2016 report is available on the agency's [Follow-Up Monitoring](#) website.

- Incorporating Citizen Science Into EPA's National Environmental Work

One of the challenges of running a citizen science program like stream monitoring is that one can never be entirely sure what the program's impact will be. To that end, an EPA advisory body recently submitted a report to agency leadership recommending that the EPA proactively and fully integrate citizen science into its work, embrace it as a core tenet of environmental protection, and use citizen science data directly. The full report can be [found online](#). Please direct comments to Green.Eugene@epa.gov and citizenscience@epa.gov.

Potomac Basin Report - Spring 2017. Please visit:

<https://www.potomacriver.org/news/potomac-basin-reporter-spring-2017/>



Watershed Education, Events and Opportunities

Do you know that Virginia Naturally is your gateway to statewide environmental education? Visit: [Virginia Department of Conservation and Recreation](#).

Virginia Governor's Executive Order on "Establishing the Virginia Environmental Literacy Challenge." For more information Click [here](#) or [visit](#) .

The Virginia Association of Soil and Water Conservation Districts

provides more on Conservation and Environmental education. For more please visit: <http://vaswcd.org/#>

Conservation Photo Contest

What does conservation look like to you? That is the theme of this year's Virginia Association of Soil and Water Conservation District's photo contest. [Send in a picture](#) that expresses your view of conservation - whether urban or rural. Winners will be announced at the Association's annual meeting.

District Conservation Capsule To-Go season.

Our watershed capsules are ready to go, reserve early since they are first come, first served. An outstanding tool for kids and students to best learn about the importance role of the watersheds, You may reserve capsules now for anytime during the school year. For your reservations, please visit: <http://www.pswcd.org/educators.html> or contact: education@pswcd.org

Awards and Scholarships

Apprentice Ecologist Scholarship

Application Deadlines: December 31, Annually

The Apprentice Ecologist Initiative has engaged tens of thousands of young volunteers (kids, teens, and college-age youth) from around the world in environmental cleanup and conservation projects since 1999. Three (3) scholarships will be awarded annually to the authors of the three best Apprentice Ecologist essays. Applicants should embody the spirit of the Apprentice Ecologist Initiative.

For

more

information,

Plants and Landscape Events

2017 Horticulture Education with VCE

Sustainable Vegetable Gardening Series :Ask a Master Gardener Your Gardening Questions

Saturday in the Garden

July 15, August 19, Sep 9 and Oct. 21

call 703-792-7747 or email master_gardener@pwcgov.org

Sunday, July 30

Bird Walk

Time: 8 am

Location: Merrimac Farm

RSVP to PW Conservation Alliance at alliance@pwconserve.org or call 703-499-4954

Sneak Peak

Saturday, August 19

Build-Your-Own Rain Barrel Workshop

Time: 10am - 12pm

Location: Mount Vernon Government Center

Turn a 55-gallon food barrel into a mini-cistern that can collect rainwater from your downspouts. Rain barrels provide your plants with water that is naturally soft and untreated, perfect for washing your cars and watering indoor and outdoor plants. Rain barrel water saves you money by decreasing the water used from your municipal water system. And rain barrels reduce storm water runoff, decreasing stream erosion and pollution to the Chesapeake Bay. The cost is \$55 per barrel. Please [register online](#) in advance.

Virginia Natural Resources Leadership Institute: Applications Now Being Accepted

The VNRLI's mission is to develop leaders in the Commonwealth who can help groups involved in contentious natural resources issues move beyond conflict toward consensus building and collaborative problem solving. Participants in this professional development opportunity build competencies in natural resource issues, collaborative problem solving, and leadership. Six 3-day sessions are offered in different locations around Virginia. Individuals can participate in all six sessions as a VNRLI Fellow or in just one regional session. [More information and application materials are available](#)

[online.](#)

12 Steps to a Greener Lawn / Building Environmental Sustainable Turf -BEST Lawns Programs

For more information on these low cost research based program for lawn education, contact: bestlawns@pwcgov.org or call 703792-4037.

Stormwater Management Education Site Visits

For businesses and non-profits, landscaping and turf management, stormwater pond management, wildlife concerns, recommendations for maintaining landscapes, protecting water quality and pollution prevention. Call 703-792-6285 to schedule a free visit.

Become a Virginia Master Naturalist

The Master Naturalists are a core of volunteers that perform service to manage and protect natural areas through activities such as plant and animal surveys, stream monitoring, trail rehabilitation, and teaching in nature centers. The basic training courses trains new volunteers to become Master Naturalist. Topics covered include ecology, geology, soils, native flora and fauna, habitat management and more.

For more information visit:

Fairfax Master Naturalist Chapter at [FMN website](#).

Merrimac Farm Master Naturalist. <http://merrimacfarmvmn.weebly.com/>



Projects in your Backyard

...aimed at improving Prince William Watersheds

Prince William Soil & Water Conservation District: [Visit](#)

Prince William County Government: [Visit](#)

Prince William Native Plant Society: [Visit](#)

Prince William Master Gardeners: [Visit](#)

Prince William Trails and Streams Coalition [Visit](#)

Prince William Conservation Alliance: [Visit](#)

Active Prince William: [Visit](#)

Friends of Occoquan [Visit](#)

Keep Prince William Beautiful: [Visit](#)

Northern Virginia Soil & Water Conservation District: [Visit](#)

Plant NOVA Natives: [Visit](#)

Trees Virginia: [Visit](#)

Virginia Master Naturalist: [Visit](#)

...aimed at improving the Chesapeake Bay

Alliance for the Chesapeake Bay: [Visit](#)

American Rivers: [Visit](#)

Audubon Naturalist Society: [Visit](#)

Chesapeake Bay Foundation: [Visit](#)

Clean Virginia Waterways: [Visit](#)
Department of Environmental Quality: [Visit](#)
Department of Conservation and Recreation's: [Visit](#)
Environmental Protection Agency: [Visit](#)
Trashnetwok-Alice Ferguson Foundation: [Visit](#)
National Park Service: [Visit](#)
Virginia Citizen for Water Quality: [Visit](#)
Virginia Save Our Streams: [Visit](#)
Virginia Water Monitoring Council: [Visit](#)
Virginia Green Travel Alliance: [Visit](#)



Potomac Basin News and updates: [Interstate Commission on the Potomac River Basin: Visit](#)

How can you help Prince William County have good water quality?

- ***Volunteer** for the Save Our Streams Citizen Science program.
- ***Adopt a stream** of your choice or work with existing sites
- * **Monitor** only 3 times a year - spring, summer and fall.
- * **Get monitoring equipment** once you become certified.
- * **Track your volunteer hours** working for the District.
- ***Volunteer** in the District's [Stream Cleanup programs](#).

>>*Volunteer timesheet is available. Ask your monitoring coordinators*<<

<*Water quality monitoring also counts towards Virginia Master Naturalists service hours*>

For all Monitoring events updates/cancellation visit:

[PWSWCD Facebook page](#)



For more awareness and to "Help Do Water Good", like [PWSWCD Facebook page](#)

Call to Action!

[Share this Newsletter with Friends](#)

[Join Now!](#)

See whats happening on our social sites!



Thanks again for making a difference!

Prince William Soil & Water Conservation District is funded by Prince William County Public Works Department, Stormwater Management Branch, and through financial and administrative assistance provided by the Virginia Soil and Water Conservation Board, and the Department of Conservation and Recreation, Division of Soil and Water Conservation.

Programs, activities and employment opportunities are available to all people regardless of race,

color, religion, sex, age, national origin, or political affiliation. Prince William Soil and Water Conservation District is an equal opportunity/affirmative action employer.

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