



www.pwsacd.org

June 2017

Watershed

Newsletter

Green Community, Healthy Streams and Healthy People

What is the water quality in your local stream?

Certification and Training Volunteer Stream Monitors in NOVA

Saturday, June 10. 9am—3pm

Northern Virginia (NOVA) gears up for more water quality monitors to help Virginia Department of Environmental Quality (DEQ) close-up water quality data gaps in Virginia under its citizen science monitoring program. With the Virginia Save Our Streams water quality monitoring protocol, volunteers will be tested on:

Part I. Identification of Macro benthic Invertebrates.

Part II. Demonstration of the field sampling protocol.

(Part I is an open book test. No rocket science involved).

Registration is free but spots are limited.

Venue: Manassas National Battlefield Park Headquarters
12521 Lee Highway Manassas, VA 20109



To register and for more
information

Contact:

Veronica Tangiri:

waterquality@pwsxcd.org

OR

Dan Schwartz:

Daniel.schwartz@fairfaxcounty.gov



For PWC Water Quality events please visit: <https://www.facebook.com/princeWilliamSWCD>

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. *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

Jackie Lee, Prabisha Bhandari and Larry Heath, - Prince William Forest Park

For Adopting Cleanup Sites (Adopt-A-Stream)

The Sarrs Family - Bull Run

Babcock Landscaping Services -Neabsco Creek

Water Health Educators - Occoquan River at Lake Jackson

America Nepal Society & Woodbridge Nepalese Society - Pond at Tacketts Commuters Parking

Video on water quality/cleanup event visit:

Water Quality Monitoring Event



Water Quality Monitoring at Prince William Forest Park

Water Quality Events

June 5-11: Chesapeake Bay Awareness Week

June 6 - Floatable Monitoring at Cornice Place @ 9.30 am.

June 6 - Water Quality Monitoring at Hoes Run @ 11 am.

June 10 - Water Quality Monitoring at Ben Lomond Park @ 10am.

June 10- Certification and Training - NOVA Stream Monitors @ 9 am- 3 pm.

June 17- Water Quality Monitoring at Broad Run @ 10 am.

June 26 - Water Quality Monitoring at Powells Creek @ 10 am.

July 1 - Water Quality Monitoring at Cedar Run @ 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)

June 3- National Trails Day at Lake Ridge with PWTSC [\(Click for more\)](#)

June 5-11: Chesapeake Bay Awareness Week

June 10 - Water Quality Monitoring at Ben Lomond Park @ 10am

June 10 - Northern Virginia Cooperative Water Quality Monitoring Certification and Training

June 17- Water Quality Monitoring at Broad Run/Dawkins Branch @ 10 am

June 19-24 - Holiday Lake Forest Camp (click)

June 26 - Water Quality Monitoring at Powells Creek @ 10 am

July 9-15 Youth Conservation Camp (click)

July 1 - Water Quality Monitoring at Cedar Run @ 10 am

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-October: Clean Virginia Waterways- (Longwood University Campaign)

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 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@pwsxcd.org.

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



Water Quality Programs



Stream Cleanup Programs



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)
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@pwsxcd.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?

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.



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

June 5-11: Chesapeake Bay Awareness Week

June 6 - Floatable Monitoring at Cornice Place @ 9.30 am.

June 6 - Water Quality Monitoring at Hooes Run @ 11 am.

June 10 - Water Quality Monitoring at Ben Lomond Park @ 10 am.

June 10- Certification and Training - NOVA Stream Monitors @ 9 am- 3 pm.

June 17-Water Quality Monitoring at Broad Run @ 10 am.

June 26 - Water Quality Monitoring at Powells Creek @ 10 am.

July 1 - Water Quality Monitoring at Cedar Run @ 10 am



Water Quality Monitoring Events

June 5-11: Chesapeake Bay Awareness Week

Join Northern Virginia and Prince William Soil and Water Conservation Districts for more water quality awareness in NOVA

Tuesday, June 6

Floatable Monitoring- Cornice Place- Hooes Run Watershed

Time: 9.30 a.m.

Location (GPS Guide) : 3442 Cornice Pl. Woodbridge, VA 22192

Residents in and around this community are invited to the program.

RSVP to **Veronica Tangiri:** waterquality@pwsxcd.org

Tuesday, June 6

Water Quality Monitoring: Hooes Run - Occoquan Watershed

Water Quality Monitoring: Hooes Run - Occoquan Watershed

Time: 11 a.m - 1.30 p.m.

Location: Castile Ct, Woodbridge, VA 22192

Parking: Visitors parking lot and curb

Join in monitoring this beautiful site of the Hooes Run as it enters the Occoquan Reservoir / River area.

Chemical and biological data will be collected.

RSVP to Veronica Tangiri at waterquality@pwsacd.org

Saturday, June 10

NOVA Water Quality Monitors Training and Certification

Time: 9 a.m. - 3 p.m

Location: Manassas National Battlefield Park Headquarters, 12521 Lee Highway Manassas, VA 20109

Training : Free and Open to everyone with interest in water quality monitoring.

Certification prerequisite: Most have attended at least 2 monitoring events.

This event is jointly organized by the Northern Virginia Soil and Water Conservation District and the Prince William Soil and Water Conservation District and is open to anyone aspiring to become a Certified Stream Monitor. Certified monitor can adopt a stream or site of their choice site for monitoring only 3 to 4 times in a year. This certification training follows the Virginia Save Our Streams (SOS) monitoring protocol. The data collected by monitors is sent to the Department of Environmental Quality (DEQ). To register and for more information, please contact [Dan Schwartz](mailto:Dan.Schwartz@fairfaxcounty.gov) (Daniel.Schwartz@fairfaxcounty.gov) or [Veronica Tangiri](mailto:Veronica.Tangiri@pwsacd.org) (waterquality@pwsacd.org).

Saturday, June 10

Water Quality Monitoring - Bull Run Watershed

Time: 10 am-12.30 pm

Location: 7500 Ben Lomond Park Drive, Manassas VA 20109

Join Jessica Cushman at this outdoor learning site along the Bull Run trail at the Historic Ben Lomond/Splash Down Water Park in Manassas. Volunteers will be meeting at the picnic area close to the sports field.

RSVP to **Jessica** at cushman.jess@gmail.com

Saturday, June 17

Water Quality Monitoring - Broad Run Watershed

Time: 10 am- 12.30 pm

Location: Broad Run

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

Join Sonnie Coffey for monitoring at this newly adopted beautiful site on the Broad Run watershed.

Residents are welcome to join in monitoring and learning more about this Stream.

RSVP to **Sonnie** at 1vespermaxo@gmail.com>

Tuesday, June 26

Water Quality Monitoring - Powells Creek, Woodbridge

Time: 10 a.m- 12.30 pm

Parking location: *Along 15601 Northgate Dr. Montclair, VA 22025*

Join Master Naturalists Buck Arvin in monitoring his newly adopted site along the Powells Creek in the Montclair area. Residents are welcome to come support the data collection of this stream and learn more about the water.

For directions RSVP to **Buck** at buckarvin@comcast.net

Saturday, July 1

Water Quality Monitoring : Cedar Run- Broad Run Watershed

Time: 10am - 12.30pm

Location: *Evergreen Acres 12801 Hazelwood Dr. Nokesville, VA 20181*

Access this beautiful 3/4 miles long of the Cedar Run in the Evergreen Acres Farm for citizen science stream monitoring in the Nokesville area. Come and learn more about the health of this stream and how it interacts with agriculture.

Email Veronica Tangiri at waterquality@pwsacd.org.

-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://vasacd.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,

Visit:http://www.wildernessproject.org/volunteer_apprentice_ecologist

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

Saturday, June 3

Celebrate National Trail Day in Prince William County

Time: 9.00 to Noon

join the PW Trails & Stream Coalition and PWC Parks Department on a trail workday in Lake Ridge to improve the steep section of the trail that runs uphill from the Occoquan Reservoir to Hedges Run Drive. Come up for this outdoor event to make this beautiful trail more

usable and enjoyable. or for more information please visit:
<http://www.pwtsc.org/2017/05/national-trails-day-event-in-lake-ridge-june-3-2017/>. Or
[Click here to Register](#)

Sunday, June 25

Bird Walk

Time: 8 am

Location: Merrimac Farm

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

Sneak Peak

Wednesday, June 8

Webinar: Long-Term Look at Changes in the Quality of our Nation's Rivers and Streams

Time: 1pm

The National Water Quality Monitoring Council presents this informative and free webinar that examines the macro trends in water quality across the United States. For more information and to register, see <https://acwi.gov/monitoring/webinars/index.html>

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.

PWSWCD, 8850 Rixlew Lane , Manassas, VA 20109, Ph.: 571-379-7514 ,Fax: 571-379-8305