



2018

[www.pwsacd.org](http://www.pwsacd.org)

July Watershed Newsletter

## ***County Watersheds: Districts' Water Quality Awareness***



### ***Plastic Products and Pollution***

***Clean Waterways,  
Improved Water  
Quality.***

***Where do you live?***

***What is your watershed?***

***Are your neighborhood streams and  
storm drains trash free?***

***Who takes responsibility of the trash/litter around you?***

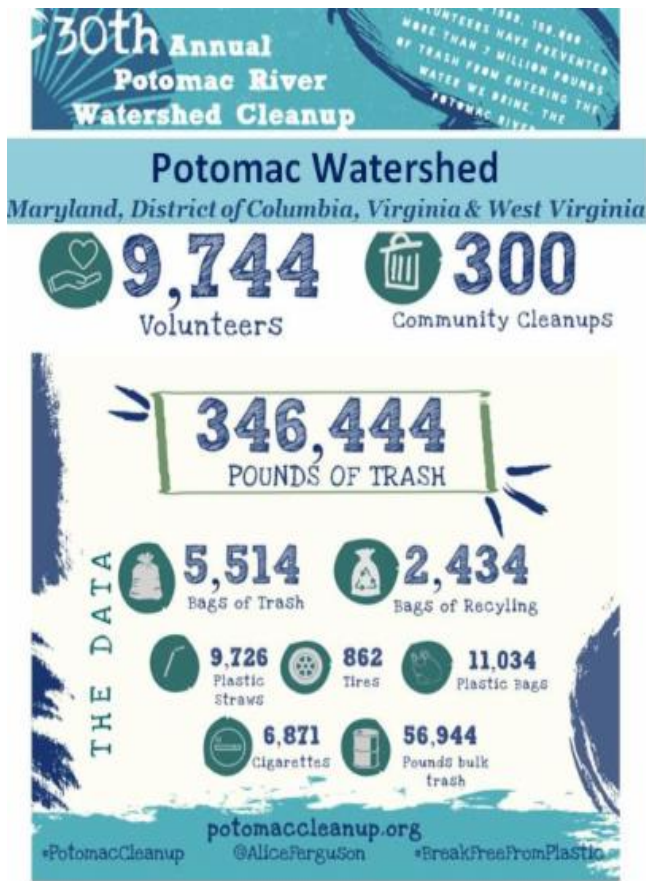
***What can you do to make a difference in your Community?***

***What future do you want for the next Generation?***

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***# Love Where You Live! Litter Prevention! Protect Water Quality !***

**Prince William County and Water Quality  
Awareness in the Potomac Watershed**



An analysis of the 30<sup>th</sup> Annual Potomac Watershed Cleanup with the Alice Ferguson Foundation and the first half (January -June) of 2018 waterways cleanup results in Prince William County, shows that PWC is gaining more water quality awareness in the Potomac Watershed. Through citizens' involvement, County residents are making a great impact in the Potomac Watershed.

It is worth noting that the Potomac River Watershed, including Maryland, the District of Columbia, Virginia & West Virginia.

***Thanks to all Our Awesome Volunteers for their stewardship!***



**Troop 670 initiates Cleanup on its 8.5**

**mile Adventure Stream on the Potomac River**

# miles Adopted Stretch of the Occoquan River

On June 16th from 7 a.m to 1 p.m the Troop 670 "River Rats" - Ty, Nathaniel, Ryan, Alex, Blake, Noah, and Peter and 5 adults picked up 5 bags



of trash, 1 plastic yard chair, 1 plastic trash can, and various pieces of milled wood, from their Adopted section the Occoquan river via canoes and Kayaks from Broad Run Marina to Fountainhead Regional Park. 6hrs of Service and a fantastic day on the water with some Canoeing Merit Badge achievements thrown in just for fun.



On June 21st from 9 a.m to 11 a.m the "Wolf Patrol" of Troop 670, James, Robert, Jacob, Evan, Julia, Tyler (Patrol Leader), and 5 adults walked the trails at Bull Run Occoquan Trail along their Adopted section of the Occoquan river and picked up 4 bags of trash, a 10 gallon bucket, and an Emogi Ball among the debris.



Tyler \_Patrol Leader\_ age 12 giving some safety briefing.

***Kudos to Troop 670 for their stewardship in Water Quality Awareness in NOVA!***

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**Frank J. Principi, Woodbridge District Supervisor**

**takes the Woodbridge Community out for a Big**

takes the Woodbridge Community out for a Big  
**Community Cleanup and Water Quality Awareness Event**  
**Save the Date - Saturday, November 17, 2018**

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**Bull Run Plaza Shopping Center Commercial Property Management in Manassas takes the lead in installing structures that reduce litter and trash in Prince William County Water Ways.**

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Support the District's Water Quality programs (Adapt-A-Stream/Pond, Floatable and Water Quality Monitoring) and be part of transforming Prince William County into a Green Community.

For more please Visit: <https://www.facebook.com/PrinceWilliamSWCD/> Or  
Contact: [waterquality@pwsxcd.org](mailto:waterquality@pwsxcd.org)

# 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 streams cleanup volunteers have all the support they need for trash removal. The District looks forward to having a stronger working relationship with its volunteers in keeping County streams clean for good water quality. To adopt a stream or get a proposed site, please visit [this Map](#) or email: [waterquality@pwsacd.org](mailto:waterquality@pwsacd.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.

## Recent Studies: Plastics as pollutants, Plastic Fibers in Drinking Water

A recent study found that 94% of tap water sampled in the US contained micropollastic fibers, but the significance to human health is not well understood. Read more [here](#).



*Thank You*



## Citizen Water Quality Monitoring

Buck Arvin / Merrimac Master Naturalists team- Powells Creek

## Adopt-A-Stream/Occoquan Watershed Cleanup

Habitat for Humane - Cow Branch

Troop 670- Occoquan River

ALMO Community Support- Broad Run

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**Video on water quality/cleanup event visit:**

<https://www.youtube.com/watch?v=Ef4JLhFcbU>

**Virginia Water Radio**

<http://www.viriniawaterradio.org/>

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**PWC Scout Troops for Water Quality Awareness**



**Boy Scout Troop 1188 - [Winter Creek](#) (click for more)**

**Girls Scout Troop 679- Flat Branch**

**Boy Scout Troop 964 - Neabsco Creek**

**Boys Scout Troop 501- Neabsco Creek**

**Boys Scout Troop 43- Neabsco Creek**

**Boys Scout Troop 189 -Triangle**

**Cub Scout Pack 1831 -Sudley Neighbors, Bull Run**

**Troop 670- + 8.5 miles stretch adopted on Occoquan River**

**Sea Scout - Broad Run**

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# PRINCE WILLIAM FARM 2 TABLE DINNER 2018

ALL AGES  
EVENT

ADVANCE  
TICKETS

Adults—\$40

Children:

13 to 18— \$20

12 and under— Free

WHEN

August 25,  
2018

3pm - 8pm

WHERE

Windy Knoll  
Farm

11602 Kettle Run Rd.  
Nokesville, VA 20181

BENEFITING

All Proceeds Support the Prince  
William Environmental Excellence  
Foundation's Mission of Helping to  
Provide: Environmental, Agricultural,  
and Natural Resources Conservation  
Education Beyond the Walls of the  
Classroom.



Scan me

<https://princewilliamfarm2table2018.eventbrite.com>

## Some Events Dates

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

July 7- Water Quality Monitoring on Broad Run @ 10.30

July 7- Broad Run Cleanup behind Sowder Village Square, Bristow.

July 8 - Water Quality Monitoring at Airport Creek @11 am

July 12: Monitoring at Cedar Run @ 9.30am

July 8-14- Youth Conservation Camp

July 14 - Water Quality Monitoring at Hooes Run- Lake Ridge @ 10am

July 15: Water Quality Monitoring at James Long Park in Gainesville @10am

July 12 & 19 Harbor Drive Park Town hall discussions, Occoquan District

July 21-PWTSC Work Day: Potomac Heritage National Scenic Trail @9am-Eagles  
Park

July 28 - Water Quality Monitoring at Ben Lomond Park @ 10am

Sept 29- Public Lands Day

August 4- Water Quality Monitoring at Prince William Forest Park @10am

August 18- NOVA Certification of Water Quality Monitors 9am-3pm

August 25- Prince William Environmental Excellence Foundation Farm to Table Dinner

September 15: Water Quality Monitoring at Broad Run North Fork, Gainesville

October 16, 17 & 18 Farm Field Days

- October 10/17 & 18 - Farm Field Days
- October 13- Phase 3 Costco Manassas cleanup project (9am-12noon)
- Nov. 17-Big Water Quality/Community Awareness Cleanup in Woodbridge District
- Nov. 17-Jefferson Park Woodbridge Cleanup (Part of Woodbridge Big Cleanup Event)
- Nov. 17- Veterans Memorial Park Cleanup ( Part of Woodbridge Big Cleanup Event)
- March 2- Neabsco Eagles Park Cleanup
- March 9- Phase 4 Costco Manassas Cleanup Project (9am -12 noon)
- March 25 -29, National Water Quality Monitoring Conference
- April 13- Occoquan River Cleanup by FOTO
- April 20- +30 Miles Big Occoquan River Cleanup by PWTSC (9am-2pm)

## Promote trash free waterways in Prince William

**For 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 provides cleanup supplies to residents who would like to make an impact at no cost. Participating groups receive an Adopt-A-Stream sign from PWC Public Works Department in recognition of their stewardship. For more information write to [waterquality@pwsacd.org](mailto:waterquality@pwsacd.org).



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

## Water Quality Programs



### Stream Cleanup Programs



**The District promotes 4 options for cleaning streams;**

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 cleanup programs or have any questions on the best options is best for you, please contact: [waterquality@pwsacd.org](mailto:waterquality@pwsacd.org).



## 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.

**["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 in streams to reduce non-point source pollutant from urbanized and industrialized areas in relation to the County's Municipal Separate Storm Sewers (MS4) permit.

**Cleanup supplies are provided.** Contact: [waterquality@pwsxcd.org](mailto:waterquality@pwsxcd.org)



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## Snap a Stream Selfie - Learn about the Water Quality

Water Quality in 80% of streams across the county is unknown.

Bridge that information gap from your backyard or nearby stream with just a picture. For more information, [visit iwla.org/streamselfie](http://iwla.org/streamselfie) and [follow the steps](#)

**Know your local stream water quality using your iPhone: [Creek Critter App](#)**



**Trash Awareness Video** :- [Our Plastic Society](#)

**County Directories Water Quality: [Click Here](#)**

**Recycling : [Click Here](#)**

## WHATS COMING UP UNDER THE DISTRICT

July 7- Water Quality Monitoring on Broad Run @ 10.30  
July 7- Broad Run Cleanup behind Sowder Village Square, Bristow.  
July 8 - Water Quality Monitoring at Airport Creek @11 am  
July 12: Monitoring at Cedar Run @ 9.30am  
July 8-14- Youth Conservation Camp  
July 14 - Water Quality Monitoring at Hooes Run- Lake Ridge @ 10am  
July 15: Water Quality Monitoring at James Long Park in Gainesville @10am  
July 28 - Water Quality Monitoring at Ben Lomond Park @ 10am  
August 4- Water Quality Monitoring at Prince William Forest Park @10am  
August 18- NOVA Certification of Water Quality Monitors 9am-3pm  
August 25- Prince William Environmental Excellence Foundation Farm to Table Dinner  
September 15: Water Quality Monitoring at Broad Run North Fork, Gainesville  
October 16,17 & 18 Farm Field Days  
October 13- Phase 3 of Costco Manassas Cleanup Project  
Nov. 17-Big Water Quality/Community Awareness Cleanup in Woodbridge District  
March 3- Big Neabsco Creek Cleanup at Eagles Park

## Water Quality Events

### Saturday, July 7

#### **Water Quality Monitoring: Broad Run/ Dawkin's Branch**

Time: 10.30 pm -12.30 pm

Located: Off of Sudley Manor Dr.

Parking: Upper Parking lot of Victory Lakes Elementary School Parking:12001 Tygart Lake Bristow, VA 20136

Note: Follow signs near playground to the Broad Run trail towards the Kiosk area.

Join Sonnie Cuffey at this adopted outdoors science lab to learn more about water quality for more awareness in Prince William County.

Prince William residents and students are invited to come learn about the varieties of benthic macro invertebrates that determine the water quality of a stream.

RVSP to Sonnie at [1vespermax0@gmail.com](mailto:1vespermax0@gmail.com) OR [waterquality@pwsxcd.org](mailto:waterquality@pwsxcd.org) or text @ 703-216-6959 for weather related updates.

### Saturday, July 7

#### **Broad Run Cleanup with ALMO Conservation Support**

Meeting location: Sowder Village Square Parking Lot, Manassas Virginia 20109

Join this group of water quality awareness inspired volunteers in promoting water quality on the Broad Run Golf and Practicing Facility in Bristow To participate, contact [waterquality@pwsxcd.org](mailto:waterquality@pwsxcd.org) or send a text to 571 485 0111

### Sunday, July 8

**Sunday, July 8**

**Stream Monitoring: Airport Creek in Lake Ridge, Occoquan Watershed**

**Time:** 11 a.m. - 1.30 pm

**Location:** 12102 Springwoods Dr. Woodbridge Virginia 22192

Parking: Parking is along Springwoods Dr., close to the trail entrance.

Join Janis Cook at this beautiful adopted site in the Lake Ridge area for water quality monitoring experience.

For more information and RSVP, please contact Janis Cook:

[Jcook3910@aol.com](mailto:Jcook3910@aol.com)

**Thursday, July 12**

**Water Quality Monitoring: Cedar Run**

**Time:** 9.30 am - 12.00pm

**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. PWC residents of all ages are invited. Come learn more about the health of local streams and how they interact with different land use as they make their way to the Occoquan River and Bay.

Email: Veronica Tangiri at [waterquality@pwsacd](mailto:waterquality@pwsacd) or call 571-379-7514.

**Saturday, July 14**

**Water Quality Monitoring: Hoes Run - Occoquan Watershed**

Time: 10 a. m - 12.30 p.m.

Location: Castile Ct, Woodbridge, VA 22192

Parking: Visitors parking lot and curb.

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

Chemical and biological data will be collected.

RSVP to Veronica Tangiri at [waterquality@pwsacd.org](mailto:waterquality@pwsacd.org).

**Sunday, July 15**

**Water Quality Monitoring: James S. Long Park - Catharpin, Bull Run Watershed**

**Time:** 10 Noon -Noon

**Location:** James S. Long Park, 4603 James Madison Hwy (Rt. 15) Haymarket, VA 20169

Parking: Old Library parking lot (first right past the horse field).

Join Elaine Wilson, one of the District's pioneer/certified monitor and her team for fall monitoring at this beautiful site in the Catharpin Creek in the Gainesville area. This site has some outstanding critters that are unique only to this site. STEM kids are welcome. Spots are limited.

For more information and RSVP, contact Elaine Wilson: [Elaine.Wilson@dcwater.com](mailto:Elaine.Wilson@dcwater.com)

**Saturday, July 28**

**Water Quality Monitoring - Bull Run Watershed**

**Time:** 10 am -12.30pm

**Location:** [7500 Ben Lomond Park Drive, Manassas VA 20109](#)

Join Jess Cushman and the Merrimac Master Naturalists 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 Jess at [cushman.jess@gmail.com](mailto:cushman.jess@gmail.com)

### **Saturday, August 4**

#### **Stream Monitoring: Prince William Forest Park/ Quantico Creek**

**Time:** 10 a. m - 12.30 pm

**Location:** 18100 Park Headquarters Road, Triangle, VA 22172 (GPS guide)

**Parking:**

*Parking Lot A on Scenic Drive. (From Main Park Entrance, turn left onto Scenic Drive and go all the way until you cross the Scenic Bridge).*

Prince William Forest Park protects a large portion of the Quantico Creek; a watershed which scientists use as the water quality benchmark in Prince William County. Residents are invited to come and learn more about benthic macro invertebrates and how they determine the water quality of a stream.

Join Larry Heath at this beautiful outdoor science lab to learn more about water quality for more awareness. RVSP to Larry at [lkhdoc@gmail.com](mailto:lkhdoc@gmail.com)

### **Saturday, August 18**

#### **NOVA Water Quality Monitors Certification Training**

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

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

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. Once certified, a monitor can adopt their own stream site and monitor it quarterly. The certification/training follows the Virginia Save Our Streams (SOS) monitoring protocol and the data collected is sent to the Department of Environmental Quality (DEQ). To register and for more information, please contact **Dan Schwartz** (Daniel.Schwartz@fairfaxcounty.gov) or **Veronica Tangiri** ([waterquality@pswgcd.org](mailto:waterquality@pswgcd.org)).

### **Saturday, September 15**

#### **Water Quality Monitoring- North Fork Broad Run in Gainesville**

**Time:** 10.30 am- 1.30pm

**Location:** Links Pond Circle

For more information, contact: Veronica Tangiri, [Waterquality@pswgcd.org](mailto:Waterquality@pswgcd.org)

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## **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

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](mailto:Green.Eugene@epa.gov) and [citizenscience@epa.gov](mailto:citizenscience@epa.gov).

### **Water Monitoring Test Kits Available**

The Virginia Department of Environmental Quality is distributing a limited number of water monitoring kits to test for dissolved oxygen, pH, turbidity, and temperature. These kits are available for free to schools and organizations that do not have water monitoring equipment. DEQ requests that participants use these kits as part of the EarthEcho Water Challenge (formerly known as World Water Monitoring Challenge). See <http://www.worldwatermonitoringday.org/>. Groups with their own monitoring equipment are also invited to participate in the event. If you are a teacher or work with a large number of students, you can request a free kit. Contact Mr. [Stuart Torbeck](mailto:charles.torbeck@deq.virginia.gov) at [charles.torbeck@deq.virginia.gov](mailto:charles.torbeck@deq.virginia.gov) and provide (1) your mailing address, (2) number of monitoring locations (3) number of participants, and (4) the total number of participants from your organization or school that you expect to participate in the EarthEcho Water Challenge. This information will determine how many kits you will likely need. The Virginia Water Monitoring Council ([www.VirginiaWMC.org](http://www.VirginiaWMC.org)) provided the kits for this effort.

### **National Water Resource Surveys**

The EPA partners with the states and tribes to conduct surveys that separately assess the quality of the nations' lakes, wetlands, rivers and streams, and coastal waters. The most recent assessment reports are available on the [EPA's National Aquatic Resource Survey website](#).

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## **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](#).

[The Virginia Association of Soil and Water Conservation Districts](#) provides more on Conservation and Environmental education. For more visit: <http://vaswcd.org/#>

[Environmental Concerns](#) : Workshops and Programs for Environmental Education Professionals [Click here for more](#)

### **Local District Education and Conservation Opportunities** **District Conservation Capsule To-Go season**

Our watershed capsules are ready to go. First come, first served. This is outstanding tool for kids and students to learn about the important role of the watersheds. For your reservations, please visit: <http://www.nvswcd.org/educators.html> or contact: [education@nvswcd.org](mailto:education@nvswcd.org)

please visit: <http://www.pwsacd.org/educators.htm> or contact: [education@pwsacd.org](mailto:education@pwsacd.org).

## **NOAA Marine Debris Program and the Office of National Marine Sanctuaries Debris Toolkit their local community, and at home"**

"Empowers students to become ocean stewards by taking action against marine debris on campus, in their local community, and at home"

Marine debris is a growing environmental issue with a negative impact in our oceans on a global scale. Find out more, and download the toolkit using the links below:

<https://sanctuaries.noaa.gov/news/aug17/toolkit-helps-students-and-teachers-fight-against-marine-debris.html>

<https://marinedebris.noaa.gov/curricula/marine-debris-monitoring-toolkit-educators>

<https://marinedebris.noaa.gov/sites/default/files/publications-files/MarineDebrisMonitoringToolkitForEducators.pdf>

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## **Bilingual Educator Resources**

- Bilingual lessons are available in English and Spanish for ICPRB educational programs. For more Visit: <https://www.potomacriver.org/resources/educator-resources/bilingualmaterials/>

## **Photo Contests**

### **The NACD 2018 Poster Contest : "Watersheds: Our Water, Our Home"**

**District Deadline (PWSWCD): October 1, 2018**

Open to students and Scouts.

Both Girl and Boy Scouts that participate in the contest and submit valid entries at any level are eligible to receive the VASWCD Conservation Poster Patch. Scouts that participate in this contest at any level are eligible to receive a patch. The list of names of students submitting for a scout patch program must be sent to the District. Contest rules and resources can be found online at <http://vaswcd.org/poster-contest>.

"The poster size must be 14" x 22"(half a poster)"<http://www.nacdnet.org/wp-content/uploads/2016/07/2017-NACD-Poster-Contest-Rules.pdf>

If you have any questions regarding the contest please contact Bonnie Mahl at (804) 559-0324 or [Bonnie.Mahl@vaswcd.org](mailto:Bonnie.Mahl@vaswcd.org).

### **VA Soil & Water Conservation District Photo Contest Now Open!**

The VASWCD's 2018 Photo Contest's theme is Conservation Through The Seasons." Capture those vibrant moments and express what conservation looks like to you throughout every season! The contest runs from Feb. 1st- Aug. 15th, and each person can submit up to 10 photos. For more information please visit the [photo contest website](#).

## Environmental Funding and Grants

### The Bay Backpack

The Bay Backpack is an online resource for educators with information about funding opportunities, field studies, curriculum guides and lesson plans related to the Chesapeake Bay. Provided by the Chesapeake Bay Program's Education Workgroup. [Read More](#).

### Environmental Education Grants

Two interesting environmental education grant programs are currently accepting applications.

-[EcoTech Grants](#) offer up to \$2,500 to engage children in inquiry-based, STEM-related projects that leverage technology and/or use nature-based design to address environmental problems in local communities.

-[Project Learning Tree's Greenworks Grants](#) offer of up to \$1,000 to fund student-implemented projects that green the school or improve an aspect of the neighborhood's environment.

### Teacher's Professional Development Chesapeake Summer Courses

Join the Chesapeake Bay Foundation for a five-day summer professional learning adventure on the Bay or one of its tributaries. More than 30 courses are offered that will explore the mountains of Virginia, the rivers of Pennsylvania, the islands of the Bay, and many places in between. Learn how to integrate the environment into your classroom and to help your students achieve environmental literacy success. More [information online](#).

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## Plants and Landscape Events

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### [Emerald Ash Borer Cost-Share Program](#)

This cost-share program by the Virginia Department of Forestry aims to help landowners and organizations (non-profits, schools, HOAs, municipalities) treat ash trees to prevent death by the Emerald Ash Borer (EAB). If you have an ash tree and want details about the program, contact [Meredith Bean \(EAB Coordinator\)](#) Phone: 434-220-9034 or Email: [meredith.bean@dof.virginia.gov](mailto:meredith.bean@dof.virginia.gov).

For more information about EAB, visit <http://emeraldashborer.info/>.

To participate in free webinars, see <http://emeraldashborer.info/eabu.php>.

### [2018 Horticulture Education](#) :

Taught by Virginia Cooperative Extension Master Gardener Volunteers and Staff.

Ask a Master Gardener your gardening questions: For more information please call **703-792-7747** or **email ; master\_gardener@pwcgov.org**.

**The Basics of Gardening Series: Classes are Free.**

Discover the science behind gardening. Topics will focus on research-based knowledge of plant and soil health, right plant, right place, plant profiles, pest management and best practices for sustainable landscapes.

**Classes Location:** Haymarket Gainesville Community Library, 14870 Lightner Rd., Haymarket, VA 20169.

Offered in partnership with Haymarket Gainesville Community Library. We greatly appreciate their support.

**PRE-REGISTER** at [www.pwcgov.org/grow](http://www.pwcgov.org/grow) or by contacting the Extension Horticulture Help Desk at 703-792-7747, [master\\_gardener@pwcgov.org](mailto:master_gardener@pwcgov.org)

Notify your cancellation for spots are limited. Weather cancellations will be posted 24hrs prior to class online and in the greeting at the Extension Help Desk phone.

**Saturday in the Garden** - see all of our best practices in action with class at the Teaching Garden, 9535 Linton Hall Rd, Bristow, 20136

July 14, August 11, September 8, October 13

**Clinics at the Dale City and Manassas Farmer's Markets, "Ask a Master Gardener"**  
April -October.

**July 12th or 19th**

**Harbor Drive Park Town hall discussions, Occoquan District**

**Time:** 7 - 9pm

**Location:** Lake Ridge Baptist Church, 12450 Clipper Dr., Lake Ridge 22192

The Occoquan District takes pride in its water quality.

Join Supervisor Ruth Anderson of Occoquan District for community input on the conversion of the commuter lot at the corner of Harbor Drive and Minnieville Road.

RVSP is not required.

For questions, contact Kelsey Dott at 703-792-4136 or [kdott@pwcgov.org](mailto:kdott@pwcgov.org)

**Saturday, July 21, 2018**

**Work Day on the Potomac Heritage National Scenic Trail**

**Time:** 9:00 am

**Meeting Location:** Neabsco Eagles Park, 15801 Neabsco Rd, Woodbridge, Virginia 22191

Join Prince William Trail and Streams (PWTSC) and team on the Potomac Heritage National Scenic Trail at the Metz Wetlands, which will be the access point (south end) for the new boardwalk across Neabsco Creek. Construction of the boardwalk started at Rippon Landing Park, is proceeding across Neabsco Creek, and is close to reaching Metz Wetlands. The boardwalk, which is part of the Potomac Heritage Scenic Trail, will be completed later this year.

Join PWTSC and PWC Parks Dept on trail improvements at Metz Wetlands. This will include:

- Construction of new access trail from the gravel lot (Neabsco Eagles Park) into the Neabsco Creek Wetland Preserve Trail System



- Trimming / clearing of the trails in Metz
- Trash cleanup

Click [Here](#) to register or visit:

<https://docs.google.com/forms/d/e/1FAIpQLScN1XQj4xTNzdmeo4UVDxAqMH68KcsYG-8RM5k1P7OfpcnHQA/viewform>

For more information contact [neil.nelson@pwtsc.org](mailto:neil.nelson@pwtsc.org)

**Sunday, July 29**

**Bird Walk at Merrimac Farm**

**Time: 8 am**

**Location:** Merrimac Farm, Stone House 1514 Deepwood Lane, Nokesville.

RSVP to PW Conservation Alliance at [alliance@pwconserve.org](mailto:alliance@pwconserve.org)

or call 703-499-4954

**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](mailto: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** :[Website](#).

For more information, contact us at [merrimacfarmVMN@gmail.com](mailto:merrimacfarmVMN@gmail.com) .



**Job Openings**

- 1.) Nonpoint Source Nutrient Trading Coordinator, Virginia Department of Environmental Quality (DEQ; P4027)  
- Close July 13,-Richmond, VA <http://www.deq.virginia.gov/AboutUs/Employment/DEQJobs.aspx>
- 2.) Part-time Projects Director, Eastern Shore Resource Conservation and Development (RC&D) Council  
- Close August 3, -- 10 to 20 hours/week -- Melfa, VA -- <https://esrcd.org/job-posting>

3.) Administrative Professional, Tri-County City Soil & Water Conservation District - Open until filled --  
Fredericksburg, VA -- [http://tccswcd.org/?page\\_id=1215](http://tccswcd.org/?page_id=1215)

4.) Education Coordinator, Tri-County City Soil & Water Conservation District - Open until filled --  
Fredericksburg, VA -- [http://tccswcd.org/?page\\_id=1215](http://tccswcd.org/?page_id=1215)

5.) Manager of Chesapeake Program, National Fish and Wildlife Foundation  
(NFWF) -- Vacant until filled -- Washington, DC -- <http://www.nfwf.org/whoweare/careers/Pages/home.aspx>

6.) Conservation Specialist - Northern Neck SWCD - Close July 20--[www.nnswcd.org/employment](http://www.nnswcd.org/employment)

7.) Non-Point Source Specialist - Northern Neck SWCD - Close July 20--[www.nnswcd.org/employment](http://www.nnswcd.org/employment)



## 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](#)

Woodbridge Potomac Community Civic Association: [Visit](#)

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

Virginia Water Resources Research Center: [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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