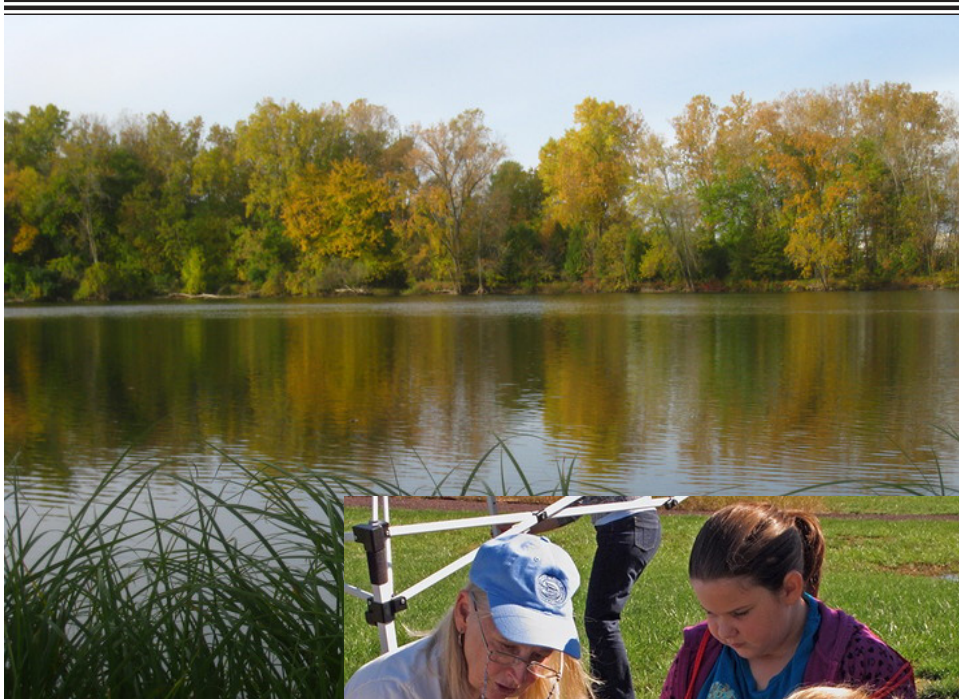


# Family Stream Day 2015

Presented by



Visit [www.loudounwatershedwatch.org](http://www.loudounwatershedwatch.org)  
& [www.loudounnature.org](http://www.loudounnature.org)



# Loudoun Watershed Watch & Loudoun Environmental Stewardship Alliance

present an

## X-Stream-ly Awesome

educational event for all



# Family Stream Day 2015

"Loudoun Streams Feed Loudoun's Dreams"

Sunday, October 18, 2015

1 pm to 4 pm

Claude Moore Park  
21544 Old Vestal's Gap Rd.  
Sterling, VA 20164



Passbook Owner's Name

## Station 1: Your Watershed Address

by: Piedmont Environmental Council

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

What is a watershed? Do you know your "watershed address?" Check out the watershed maps of Loudoun County and mark your address with a pin. Local streams carry runoff to the Potomac River and Chesapeake Bay. Discover what you can do to protect Loudoun's streams.

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Pick up information on how you can help and get involved!



## Station 2: Keeping Dirt In Its Place

by: Loudoun County Building and Development  
Erosion & Sediment Control Team

[www.loudoun.gov/index.aspx?NID=1217](http://www.loudoun.gov/index.aspx?NID=1217)

Sediment is the #1 pollutant of surface water and greatly affects our water quality. An interactive town and farmland model allows participants to see how disturbances to land, by farming and new construction, cause large amounts of soil to run off into our creeks, rivers and the Chesapeake Bay destroying the fish, native vegetation and quality of the water.

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## Station 11: Mimic Nature in Your Home Landscape

by: Landscape for Life

<https://lflclass.wordpress.com/>

In nature, healthy soil and plants clean our water. You can harness their power in your own yard and garden. Learn about sustainable gardening practices that can help clean our watershed and Bay.

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## Station 12: How Streams Move

by: Loudoun Watershed Watch

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

Watch the streambed particles move in a scale model. See how sediments drop out in the turns and bends when the flow rate slows down. At high rates the stream

jumps out of the banks in a flood.



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## Station 9: Make Your Mark

by: Loudoun County Department of General Services,  
Storm Water Management

[www.loudoun.gov/stormwater](http://www.loudoun.gov/stormwater)

Find out how you can let your neighbors know where the rain goes and that it's important not to throw or dump anything down the stormdrain. Stormdrains flow to our creeks, streams, rivers and eventually the Chesapeake Bay.

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The Department of General Services has a program to help you mark stormdrains in your neighborhood with "Don't Dump, Drains to River" labels. Interactive activities demonstrating water treatment and flood control will be provided.



## Station 10: Critters in Our Ponds & Streams

by: Loudoun Wildlife Conservancy

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

Do you know what critters live in the creeks and ponds near your home? Stop by our table to discover how to identify these critters and understand why they are important to the health of Loudoun's waterways. Find out how you can train to become a monitor for your local stream which will help Loudoun County keep your waters

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clean. Loudoun Wildlife Conservancy conducts stream monitoring activities and training for citizens who want to contribute to keeping our streams healthy.



## Station 3: Soil Erosion In A Bottle

by: Audubon Naturalist Society - Rust Sanctuary

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

In this activity kids will use recycled materials to create their own erosion experiment and learn the concept of erosion caused runoff. We will also observe potential problems caused by water running over pervious and impervious surfaces.



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## Station 4: ecoLogic H2O

by: The Nature Generation

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

Play a fun game about water and water quality! Answer a variety of questions from The Nature Generation's environmental games to learn things such as how plants help water quality, how creatures in a stream can help you determine the health of the waterway, and more!

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## Station 5: Can the Grease

by: Loudoun Water

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

Are you clogging your pipes? Sewer overflows and backups are commonly caused by fats, oil and grease (FOG). Grease gets into the sewer from household drains. The grease blocks sewer pipes, causing health hazards and leading to expensive repairs. It also damages the environment. Help keep your pipes and streams clean by creating FOG containers out of ordinary soup cans. Pick up a couple of grease bags to place inside your grease catchers.

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## Station 7: Identify A Tree

by: Loudoun County Master Gardeners Tree Steward Team

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

Maple, Sycamore, Pine, Birch: what do you have in your backyard? Play the tree leaf ID game and see what they tell you. Check out true/false tree facts and get all your tree questions answered. See how trees help produce healthy streams and good water quality by decreasing runoff and increasing stormwater filtration. Many publications are available on topics such as: How to Plant Trees, Managing Winter Tree Injury, Trees for Wet & Dry Sites, Better Tree Choices for VA Landscapes.



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## Station 6: The Water Wall

by: Loudoun County Building and Development  
Water Resources Team

[www.loudoun.gov/index.aspx?nid=1363](http://www.loudoun.gov/index.aspx?nid=1363)

Examine the many oddities of water flow by sending water through the "Water Wall". Erosion, sedimentation, power generation, filtration - many properties of water are on display at the Water Wall.

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## Station 8: Make Your Own Watershed

by: Claude Moore Park

[www.loudoun.gov/claudemoorespark](http://www.loudoun.gov/claudemoorespark) or 571-258-3700

Watersheds are the lands that collect the water after a rain and then drain that water into our streams, rivers and bays.

CLAUDE MOORE



Make your own paper watershed model. Decide where to build the schools, homes and stores. Discover how your decisions might affect how clean our water can be.

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