

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

Poster, Prose and Photo Contest Award Ceremony at noon



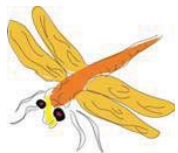
Materials were provided by funds received from a National Oceanic and Atmospheric Administration (NOAA) Bay Watershed Education Training (B-WET) grant, Improving Student Achievement and C2K Meaningful Watershed Educational Experience (MWEE) Implementation in Virginia within Loudoun County Public Schools.

Loudoun Environmental Stewardship Alliance is an open group of environmentally friendly organizations and companies.  
We meet the 2nd Monday of each month.  
For more information or to join us visit [LoudounNature.org](http://LoudounNature.org)

LESA would like to thank Loudoun Water (formerly LCSA).

## Aquary Indoor Education Center

by: Loudoun Water  
[www.loudounwater.org/aquary](http://www.loudounwater.org/aquary)



Loudoun Water invites you to check out the Aquary (a•kwee•air•ee), a destination for Loudoun kids and their parents to learn about water in Loudoun, and hopefully walk away with a greater appreciation for what it takes to get it to them, and treat it for them. It's also a place where we can share our passion for water with the community, such that they become a little more compassionate about their use of it. Check out both floors of exhibits inside.



present an

**X-Stream-ly  
Awesome**

educational event for all

# Family Stream Day 2008

October 18, 2008

10 a.m. to 3 p.m.

Hosted by **LOUDOUN WATER**  
at the new Aquary (inside the Administration building)  
44865 Loudoun Water Way, Ashburn, VA 20147



Write Your Name Here



**Loudoun Streams -  
Keep 'em Clean!**

## Station: 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. Pick up information on how you can help and get involved!

Stamp



## Station: Pet Waste

by: Loudoun County General Services

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

Pet Waste is a problem for streams in Loudoun County with approx. 14,592 lbs (or 2,663 tons per year) of dog poop alone! Learn about diseases that are harmful and even fatal to humans which can be transmitted through the improper disposal of dog and cat feces. Learn what you and your pet can do to make your home, yard and neighborhood cleaner, safer and disease free.

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## Family Stream Day 2008 - Site Map LOUDOUN WATER

44865 Loudoun Water Way, Ashburn, VA 20147

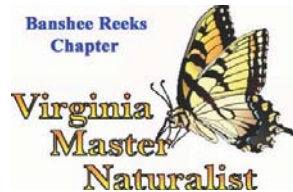


## Station: Wetlands-Nature's Sponges

by: Virginia Master Naturalist  
[www.vmnbancheereeks.org](http://www.vmnbancheereeks.org)

Wetlands are low-lying areas in the landscape that collect and hold water. Not only do unique plants and wildlife inhabit wetlands, but these areas act like huge sponges to trap sand, silt and pollution before it goes into our ponds, streams, and rivers. See a demonstration of how preserving a wetland next to a stream can help keep our surface waters clean and provide a great place for nature's plants and animals to live.

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## Station: Streamside Forest & Wetland Buffer Display

by: Loudoun Soil and Water Conservation District  
<http://loudounvaswcd.org>

Plants and animals of streamside forests and wetlands are unique components of your watershed. Learn how important a streamside forest & wetland buffer is to the quality of a community's water. Discover the natural life within the urban stream corridor. Identify local trees and shrubs and define their functions. Find out about the **Riparian Buff** how it works for you.

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## Station: The Incredible Journey

by: Audubon Naturalist Society - Rust Sanctuary  
[www.audubonnaturalist.org](http://www.audubonnaturalist.org)

Dive right in to our journey through the water cycle! At this station, you will become a drop of water, travel through rivers, be absorbed into the soil and freeze into a glacier. Learn how the water cycle is not just a circle, but a web of exciting and unpredictable paths.

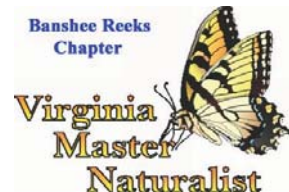


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## Station: Drinking Water In Caves

by: Virginia Master Naturalist  
[www.vmnbancheereeks.org](http://www.vmnbancheereeks.org)

Parts of Loudoun County have a unique geology formed from limestone. Since limestone can dissolve when exposed to acidic water, underground caves and channels are formed. When houses are built in limestone areas storm runoff can "melt" the rock and find its way to the water table below. It is this underground water supply that many people use for drinking. If contaminated, the drinking water can be a health hazard to both people and animals. See a demonstration of how contaminated surface water can find its way down through the soil and limestone to pollute wells and drinking water.



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## Station: Can the Grease

by: Loudoun Water  
[www.loudounwater.org](http://www.loudounwater.org)

Are you Clogging Your Pipes?

Sewer overflows and backups are commonly found to be caused by fats, oil and grease (FOG). Grease gets into the sewer from household drains and neglected grease interceptors at businesses such as restaurants. The grease blocks sewer pipes, causing health hazards and leading to expensive fixes. 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: Erosion & Sediment Control

by: Loudoun County Building and Development  
[www.loudoun.gov/b&d/erosion.htm](http://www.loudoun.gov/b&d/erosion.htm)

Sediment is the # 1 pollutant of surface water and greatly affects our water quality. Learn how the County is preserving and protecting our water resources and the Chesapeake Bay, also learn how citizens impact water quality and the everyday things you can do to help.

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## Station: What's Buggin' Our Streams

by: Loudoun Wildlife Conservancy  
[www.loudounwildlife.org](http://www.loudounwildlife.org) & [www.loudounwatershedwatch.org](http://www.loudounwatershedwatch.org)

Aquatic insects live in streams under rocks and provide food for fish, turtles and frogs. Lots of insects mean a healthy stream. Loudoun Wildlife Conservancy and Loudoun Watershed Watch monitor aquatic insects and other water quality indicators throughout Loudoun County. Come see live aquatic insects and test for water quality. Learn how volunteers monitor streams and coordinate their results with county government and the Virginia Department of Environmental Quality.

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## Outdoor Interpretive Area Guided Nature Walks

Tours guided by Loudoun Wildlife Conservancy Naturalists

Learn more about ponds and the wildlife near them as you walk along the outdoor trails. Arrange a tour with a naturalist at the above station.

Extra Credit  
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