

Family Stream Day 2012

Presented by



Visit them online at
loudounwatershedwatch.org
& loudounnature.org



Passbook Holder's Name Here

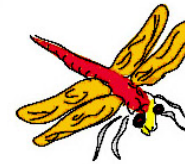
Loudoun Watershed Watch &
Loudoun Environmental Stewardship Alliance

present an

**X-Stream-ly
Awesome**



environmental
education event



Family Stream Day 2012

October 13
11 a.m. to 3 p.m.

at the



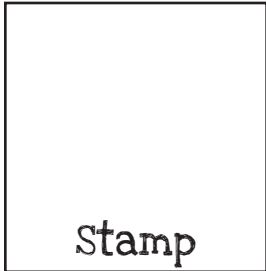
205 East Hirst Road in Purcellville, VA
behind the medical building at the intersection of
Hirst and Hatcher Roads

Station 1: Your Watershed Address

by: Piedmont Environmental Council

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!



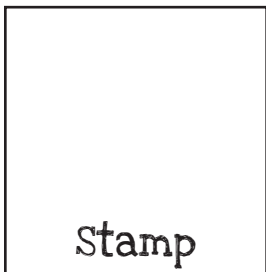
Station 2: People and Wildlife —Living in Harmony

by: Loudoun Wildlife Conservancy

www.loudounwildlife.org

See our table display of live critters found in Loudoun streams and ponds. Take a walk (lead by experienced Naturalists) on the Chapman-DeMary trail; identify plants and animals that live in the area.

Nature walks are 45 minutes long and begin at 11:30am, 12:45pm and 2:00pm.



The Chapman DeMary Trail is a student designed and maintained trail, and serves as an outdoor classroom where people of all ages learn about and develop an appreciation for the nature that surrounds them. The Trail also serves as a nature park for residents and visitors.

The beauty of the Chapman DeMary Trail encourages exploration of the outdoors and emphasizes stewardship in everyday activities. The trail is supported by The Nature Generation, Loudoun Valley High School, the Piedmont Environmental Council, and the Town of Purcellville.

The Chapman DeMary Trail, located in what is considered to be the last stand of old growth forest in the Town of Purcellville, provides amazing hands-on environmental learning opportunities to thousands of students throughout Loudoun County, and to even more residents and visitors!

Walk the trail on your own any time to enjoy this beautiful resource. Signs and brochures along the Chapman DeMary Trail help visitors learn more about the flora and fauna on the trail while getting outside for some fresh air and exercise. To learn more about the Chapman DeMary Trail, visit www.Natgen.org.

No Child Left
Inside

Station 10: How Clean is This Stream?

by: Goose Creek Association

www.goosecreekassn.org

Water that looks clean may actually be polluted. Did you know clean water supports different “bugs” than polluted water does? View our samples of stream water, find the

macroinvertebrates that are living in them to determine which water sample is cleaner. Learn what landowners can do to protect our streams and rivers.

GOOSE CREEK



ASSOCIATION

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Station 11: Can the Grease

by: Loudoun Water

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 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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Be sure to visit these Family Stream Day Information Tables

Keep Loudoun Beautiful
River Stories

Station 3: Make Your Mark!

by: Loudoun County Storm Water Management

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 the Chesapeake Bay. The Town of Leesburg and the Loudoun County Dept. of General Services have programs to help you mark stormdrains in

your neighborhood with “Don't Dump, Drains to River” labels. Come try your hand at the storm-drain throw.



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Station 4: Identify A Tree

by: Loudoun County Master Gardeners Tree Steward Team

www.loudouncountymastergardeners.org

Maple, Sycamore, Pine, Birch: what do you have in your backyard? Play the tree leaf ID game and see how right you are! Count the rings on a tree 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 infiltration.

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 5: How Clean is This Stream?

by: Claude Moore Park

www.loudoun.gov/claudemoorespark or 571-258-3700

"Make Your Own Watershed" Watersheds are the lands that collect the water when it rains and then drain into our streams, rivers and bays. Make your own paper watershed model. Where will you put the schools, homes and stores?

Discover how these decisions affect how clean our water can be. "Riparian Geocache" Find a hidden cache along the trail celebrating healthy waters and the life they support.



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Station 6: Soil Erosion in a Bottle

by: Audubon Naturalist Society - Rust Sanctuary

www.audubonnaturalist.org

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



AUDUBON NATURALIST SOCIETY

Connecting People with Nature in the DC Region | ANShome.org

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Station 7: Rubber Ducky Regatta

by: Loudoun Watershed Watch

www.loudounwatershedwatch.org

Find out how much water is flowing in Catoctin Creek. By timing the speed of floating rubber duckyes between two ropes and the water depth you can calculate the flowrate of water.



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Station 8: Keeping Dirt In Its Place

by: Loudoun County Building and Development

<http://www.loudoun.gov/Default.aspx?tabid=636>

Sediment is the # 1 pollutant of surface water and greatly affects our water quality. An interactive town and farmland scale 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 native vegetation, fish and quality of the water.

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Station 9: Pollution Solutions

by: Nature Generation

(formerly the Newton Marasco Foundation)

www.natgen.org

Dig to find major contributors of nonpoint source pollution which harm our waters, and discover easy ways to reduce that pollution and improve the health of our streams. Learn from students working with The Nature Generation on the Trail to Water Quality project about the health of the Catoctin Creek along the Chapman DeMary Trail.



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Poster contest sponsored by
Loudoun Soil and Water
Conservation District

