

# Loudoun Environmental Stewardship Alliance

## *Loudoun Environmental Education Resource Guide*





Photo Credit: Audubon Naturalist Society – “Collecting insects at the Rust Nature Sanctuary”

**Why Are Time Outdoors And Environmental Education Important For Kids?** Spurred on by Richard Louv’s book “Last Child in the Woods”, parents and teachers across the nation are beginning to recognize the benefits of outdoor play for America’s youth. A recent study found that children today spend an average of 6 hours each day in front of the computer and TV, but less than 4 minutes a day in unstructured outdoor play. Research shows that getting kids out in nature increases their physical activity, reduces loneliness, depression and attention problems and is essential to their cognitive, physical, social and emotional well-being.

### **How This Guide Supports Environmental Education and Watershed Awareness in Loudoun County**

The Loudoun Environmental Stewardship Alliance (LESA) is an informal coalition of local non-profit conservation groups, environmental educators, schools, local government departments, and business leaders that share a common belief in the benefits of connecting kids with nature and that each have resources to offer in this regard. Founded in 2007, LESA serves the shared interests of its member organizations by promoting and publicizing the great variety of programs, sites and learning resources that they offer so that Loudoun County teachers, administrators and citizens know that these resources are available for their use and can use these resources to support their particular educational objectives. Two public informational resources are maintained by LESA: 1) their website ([www.loudounnature.org](http://www.loudounnature.org)) which uses a user-friendly search feature to provide focused searches on what LESA members offer (e.g. kid’s activities and programs; outdoor locations; visitor centers; interpretive trails); and 2) this

guide which provides the same information both in printed copies distributed to the county public schools and to any interested member of the public as a downloadable PDF file from the LESA website.

LESA members comprise an extraordinary pool of expertise and knowledge which can be tapped to support your educational and organizational objectives and several member organizations offer site resources that afford quality learning and recreational time in the outdoors. It is our hope that you not only find this guide informative but that you make it a point to utilize what these organizations offer to meet the needs of your students, children or organization.

If you are aware of an organization that has resources that would be of interest to environmental educators and administrators and might wish to join LESA and benefit from the synergy that LESA affords, please have them submit a membership request via the 'Contact Us' page on the LESA website ([www.loudounnature.org](http://www.loudounnature.org)).

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## INTRODUCTION

### What is LESA?

The Loudoun Environmental Stewardship Alliance (LESA) is a new partnership of environmental education (EE) providers, businesses, schools, and government in Loudoun County. Participants of the Loudoun County Environmental Education Conference, held April 13, 2007 recommended the formation of the alliance. A volunteer Steering Committee was created and developed the concept, mission, and goals of the alliance.

LESA's mission is: "To foster community stewardship through communication, education, and collaboration to protect Loudoun County's environment and natural resources for present and future generations."

LESA's goals are: "To promote environmental stewardship through:  
Teaching awareness, appreciation, and responsibility for actions;  
Providing access to quality resources and services;  
Collaborating as partners to empower the community to be environmental stewards;  
Communicating ways in which to improve and preserve the environment; and  
Creating community partnerships to provide environmental outreach programs."

A conference was held on September 27, 2007 to celebrate the launch of LESA and plan how to shape its future. It was decided that LESA is open to everyone interested in promoting environmental education in Loudoun County, and its activities will be on a volunteer basis. No dues or other financial commitment is required or requested.

### What is the Loudoun Environmental Education Resource Guide?

There are a large number of public, private, and volunteer organizations and groups in Loudoun County that have environmental education as one of their goals. These organizations provide a variety of activities in a number of locations around the County. The purpose of the Loudoun Environmental Education Resource Guide (Guide) is to catalog these organizations, their missions, the programs and activities they provide, and the facilities they offer. It is hoped that this Guide will be helpful to parents, teachers, civic organizations, and businesses whenever they wish to find an organization or a facility that can provide an environmental education program.

Information in this Guide is provided by organizations that participated in the April 2007 Loudoun County Environmental Education Conference. The Guide accomplishes an important goal of the conference to compile information about the participating organizations in a booklet format and to make it available to the public. Updates to this Guide will be provided periodically as additional organizational and program information is received.

### What About Fees and Reservations?

Several organizations profiled in this Guide charge fees for their programs, especially if a professional naturalist or environmental educator leads the program. Most facilities also require a reservation for a group program or activity. An organization should be contacted when planning a field trip to determine its fee and reservation requirements.

## SITES IN LOUDOUN FOR OUTDOORS ENVIRONMENTAL EDUCATION EXPERIENCES

### Sites with Professional Naturalist(s)

Loudoun County is fortunate to have a number of excellent sites that offer outdoor environmental education programs and environmental experiences for families, children, and adults. The sites listed offer regular environmental programs staffed by professional naturalists, natural areas and habitat to explore, and parking and bathroom facilities. Information on these sites is provided in the profiles in this Guide.

Adventure Links – Blue Ridge Mountain Facility

Audubon Naturalist Society -- Rust Nature Sanctuary

Banshee Reeks Nature Preserve

Blue Ridge Center for Environmental Leadership

Claude Moore Park

### Inventory of Sites – Loudoun Outdoor Guide

A complete inventory of parks and publicly accessible natural areas in Loudoun County is available in the “Loudoun Outdoors Guide” published by the Piedmont Environmental Council with grant support from REI. The guide is available at [www.loudounoutdoors.org](http://www.loudounoutdoors.org).

## Adventure Links

Adventure Links at Hemlock Overlook Regional Park  
13220 Yates Ford Road, Clifton VA 20124, 800-877-0954  
Public trail available.

[www.adventurelinks.net](http://www.adventurelinks.net)

## Mission Statement

Adventure Links creates a dynamic opportunity for both youth and adults to be immersed into an environment of education, adventure and compassion.

## Programs/Activities

All Programs are by advance reservation only.

School and Youth Group Programs

Primitive teachings -- Cordage, friction fires, and debris shelters

Watershed/Quality -- Macro invertebrate water quality analysis

Outdoor education -- Team Development Course and primitive technologies

Girl Scout (GSCNC) approved vendor, ACA accredited program

## Educational Materials and Resources

We have a Lodge, bunkhouse dormitories (sleep 96) and platform tents (sleep 128), a bathhouse and 3 large picnic pavilions, as well as a low and high team development course. We provide rock climbing, caving, river (kayak, canoe), and primitive technology teachings, as well as environmental education programs for schools, scouts, and other organizations. We also provide corporate teambuilding and leadership programming on-site and off-site.

## Field Study Site

60 acres in Blue Ridge, Free Parking.

Tent pavilion, Outdoor Amphitheater.

Variety of fire rings, Primitive restrooms, Platform tents for overnight.

Large teepee with heat and simulated Heartbeat (an art piece representing the living earth)- the teepee comfortably sleeps about 15 adults or 20 children.

Low and High Ropes Course.

## Alice Ferguson Foundation - Bridging the Watershed Program

2001 Bryan Point Road, Accokeek, MD 20607

Jeanne Troy, Bridging the Watershed Program Director,

301-292-8757, jtroy@fergusonfoundation.org

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

general requests use

[btwinquiries@fergusonfoundation.org](mailto:btwinquiries@fergusonfoundation.org).

### Mission Statement

Bridging the Watershed (BTW) offers teacher training, curriculum, and field studies in national parks for students. The curriculum and related publications can be ordered from our website. Several online activities can be used by all teachers. Teachers who have participated in training (see website for dates and times) can bring their secondary students – free of charge – to National Parks for hands-on field studies, in which students collect data about water quality in a real-world setting.

### Programs/Activities

BTW's curriculum and activities help students understand their role in a watershed, and their impact on the water resources in their community. Field studies provide an immersive experience for students to spend time in a national park, where they have the opportunity to develop an appreciation for their natural environment.

Students and teachers are given knowledge and skills to develop an understanding of human impact – both positive and negative - on the Potomac River watershed, and encouraged to participate in service projects to practice those action skills to improve the environment.

### Educational Materials and Resources

BTW offers critically acclaimed, interdisciplinary curriculum that meets state and national standards in science. Online activities and related publications (such as a field guide to the region's invasive plants developed especially for high school students) serve as incredible resources for teachers and students alike.

The BTW program works with the National Park Service and school systems to provide these experiences to students and teachers.

## Audubon Naturalist Society - Rust Nature Sanctuary

802 Children's Center Rd. SW, Leesburg, VA 20175

Julie Gurnee, Rust Education Coordinator/Naturalist,

703-669-0000 x 1, [JulieG@audubonnaturalist.org](mailto:JulieG@audubonnaturalist.org)

Susanne Ortmann, Loudoun Greenkids, Rust School Programs

703-669-0000 x2 [sortmann@audubonnaturalist.org](mailto:sortmann@audubonnaturalist.org)

[www.anshome.org/rust](http://www.anshome.org/rust)

### Mission Statement

The Audubon Naturalist Society Environmental Education Department aims to serve the DC Metropolitan community year-round by providing enriching and in-depth natural science and

environmental programs, delivered by a corps of highly qualified and experienced staff, contract teachers and volunteers.

Located just 5 minutes from downtown Leesburg and the Greenway, the Rust Nature sanctuary is secluded on 68 acres of woodland and meadow and offers a beautiful place to walk the trails, have a picnic, or enjoy one of our many environmental education programs. Our education programs include adult programs, school programs, scout programs and summer camps. Take photographs and leave with pleasant memories and plans to return again and again.

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## Programs/Activities

**School Programs:** -- Pre-K through 8th grade for public, private and home school groups. A wide variety of nature programs for school groups that correlate to the Virginia SOLs. Nature topics include birds, plant life, habitats, life cycles and many more. We offer outdoor programs at the sanctuary and Naturalist in the Classroom programs throughout the year .

**Girl Scout, Cub Scout and Boy Scout Programs:** We offer a variety of programs that allow Girl Scouts and Cubs Scouts earn their wildlife and nature patches. We also offer service opportunities for Boy Scouts and Girl Scouts.

**Summer Camp -- Ages 4-16 years:** ANS summer camps are designed to foster environmental awareness and expand natural and cultural knowledge. Camps feature fun experiences with our natural world.

**Adult Nature Programs:** These programs offer nature novices and experienced naturalists alike a wide array of opportunities to explore and learn more about our area's natural history.

**Loudoun Greenkids:** a two-year, grant-funded educational outreach program of the Audubon Naturalist Society that offers resources and field experiences to foster watershed stewardship and environmental education while meeting established curriculum goals in public schools. GreenKids operates in partnership with Loudoun County Public Schools.

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## Educational Materials and Resources

**Natural History Expertise:** ANS naturalists have expertise, and are in touch with experts on a wide variety of local natural history topics and environmental issues.

**Audubon Naturalist News:** Published six times/year and contains a variety of articles on regional environmental and natural history topics.

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## Field Study Site

Rust Nature Sanctuary

Habitats: meadow, forest, pond

Studies: habitat, adaptations, birds, pond, plants, amphibians & reptiles, invertebrates, natural succession, geology, classification

Free Parking, Restrooms available when the main building is open, Indoor classroom, Various field equipment for nature study during scheduled programs.

## Blue Ridge Center for Environmental Stewardship

11661 Harpers Ferry Rd., Purcellville, VA 20132  
Darlene Lamoureux, Operations Manager, 540-668-7640,  
DLamoureux@blueridgecenter.org or info@blueridgecenter.org

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

### Mission Statement

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The Blue Ridge Center for Environmental Stewardship (BRCES) is a place where farming, nature, and history converge to show the connections between people and the natural world. The 894 acres are home to deep woods and streams, wildflower meadows, historic farmsteads, a CSA farm, wildlife and farm animals.

### Programs/Activities

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**Bird Watching:** BRCES has 10 miles of hiking trails open to individuals, families, groups, or school groups from dawn to dusk, 7 days a week. Monthly birding walks and bi-annual butterfly walks are conducted in partnership with Loudoun Wildlife Conservancy. A calendar of monthly programs is available on the BRCES website. Interpretive birding trail on-site with docent guides may be available upon request. Birding backpacks are available for children, complete with binoculars, guides, and sketchpads. Six birding and habitat related curriculum that meets SOL's are available for teachers by calling the BRCES office.

**Volunteer Opportunities:** BRCES hosts a weeklong Volunteer Vacation in cooperation with the American Hiking Society in spring and fall. Please see [www.americanhiking.org](http://www.americanhiking.org) for details. There are volunteer opportunities for individuals, groups, and families, as well as Eagle Scout project ideas.

**Camping:** Tent camping is available for groups and families by advance reservation only. Rates may vary with group needs. Groups interested in doing a service project are welcome. Please call ahead for rates and booking.

**Organic Farming:** An organic farm is located on-site with potential for tours. Please call ahead for booking.

### Environmental Education, Training, Classes:

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**Research Projects:** BRCES welcomes proposals for guest researchers to use the property as a laboratory. Researchers may be students, academics, partner public agencies, or individuals interested in the BRCES mission. Student researchers also may propose a project that provides summer housing and equipment use. Please call for more information.

**Internships:** BRCES welcomes interns in areas relating to organic farming, historic preservation, restoration, and interpretation, forestry, natural resources, archaeology, and environmental education and programming. Please call for more information.

### Educational Materials/Resources:

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Trail maps are available as well as nature guides to use while on-site.

## Broadlands Nature Center – Staffed by Audubon Naturalist Society

21907 Claiborne Parkway, Broadlands, VA 20148

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

LisaMatthews, 703-729-9726, [naturalist@broadlandshoa.com](mailto:naturalist@broadlandshoa.com),

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

### Mission Statement

The Broadlands Nature Center provides nature education and conservation in the Broadlands Community under the auspices of the Audubon Naturalist Society of the Central Atlantic States, Inc.'s mission statement to foster stewardship of the Washington region's environment by educating citizens about the natural world, promoting conservation of biodiversity, and protecting natural habitat. Broadlands is a National Wildlife Federation Certified Community.

### Programs/Activities

**Visiting the Nature Center:** The Nature Center is open to the public free of charge from 9 am to 5 pm Monday through Friday. Also open some Saturdays; check the Broadlands HOA website or call 703-729-9704.

**Family and Children's Programs:** Six to eight week programs are offered throughout the school year. Programs are offered for Parent and Toddler, Preschool, and Grade School Children. The second Saturday of each month there is a family themed program at noon followed by the feeding of our corn snake. Check our website under "Nature Center" for more information.

**Scout Programs:** Varied level Cub Scout, Boy Scout and Girl Scout eco-badge programs

**School Programs:** SOL driven, environmental education programs are available onsite for school group on topics that include birds, plant life, habitats life cycles, weather and many more. Outdoor programs are offered at the nature center throughout the year and in-school programs during winter. Family & Children's Nature Education Programs for various age groups.

**Summer Camps:** Summer Nature Camps for ages 4-12.

**Volunteer Opportunities:** Animal care for nature center exhibits and ideas for Boy Scout Eagle Projects.

### Educational Materials and Resources

**Natural History Expertise:** The ANS staff naturalist has expertise, and is in touch with experts on a wide variety of local natural history topics and environmental issues.

**Field Guides:** Varied field guides for adults/teens.

**Nature Items:** Extensive, tactile environmental education items such as skulls, insects, flowers, etc., are on display. An informative indoor location for teachers.

**Reading Room:** Children's environmental education literature, puppets, puzzles and games.

**Eco Information Exhibits:** Exhibits for youth and adult audiences.

**Live Animals:** Reptiles, Amphibians, birds, etc. exhibited.

## Field Study Site

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Hands on nature exhibit area, Open to the general public, Small area with a pond, forest, creek, wetland and meadow, Free Parking, Restrooms, Conference room for classes, Covered outdoor area for outside instruction, Some equipment used in programs not available for public use.

## Claude Moore Park

21544 Old Vestal's Gap Rd., Sterling, VA 20164  
Visitor Center 571-258-3700  
Dodie Lewis, Assistant Park Manager, 571-258-3704,  
dodie.lewis@loudoun.gov

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

## Mission Statement

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Claude Moore Park is a 357-acre Loudoun County Park providing protection for the natural habitat and cultural resources of the site while offering a variety of educational and recreational opportunities to Loudoun County citizens of all ages and abilities, and their guests.

## Programs/Activities

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**School Field Trips:** Outdoor hands-on hikes and visits to the nature center for preschool through 12th grade. Programs are SOL based. Topics include ecology, pond studies, and seasonal changes.

**Nature Classes and Camps:** Experiential programs on a variety of nature topics for preschool through 5th.

**Scout Programs:** Nature hikes and badge programs for Girl Scouts, Cub Scout, and Boy Scouts that cover animal, plant and conservation topics.

**Interpretive Programs:** Hikes and campfires for all ages focusing on the different habitats, plants, and animals that live in the park.

**Visitor Center:** Trail maps; Mammal and Wildflower checklists; Leaf Bingo; Nature Treasure Hunt; Geocache ("To the Overlook," [geocaching.com](http://geocaching.com)) and Letterbox; Bird, Mammal and Wildflower checklists; Junior Ranger Program (for elementary ages).

**Summer Naturalist Intern Program:** Volunteer opportunity for teens (ages 13 to 18), habitat restoration, nature camp assistant counselors, career exploration.

**Volunteer Opportunities:** Opportunities for individuals or groups including Adopt-a-Trail program, natural resource stewardship, and Girl Scout and Boy Scout service projects.

## Educational Materials and Resources

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**Frogshackle Nature Center:** Hands-on center for all ages with artifacts highlighting a wide variety of plants, animals, and rocks.

**Field Guides, Microscopes, Binoculars, Pond Study Equipment:** (3<sup>rd</sup> to 12<sup>th</sup> grades; adults)  
Pond materials include nets, ID keys, magnifying glasses, water-testing kits. Indoor and outdoor classroom space.

**Education Center:** Interactive classroom with focus on early childhood environmental education (ages 1.5 to 6), natural objects, puzzles, games, magnifier, storybooks.

**Visitor Center:** trail maps, Nature Treasure Hunt; Bird, Mammal and Wildflower checklists; Leaf Bingo; Junior Ranger Program.

**Native Tree Interpretive Trail:** Self-guided nature trail booklet, marked trails with native trees identified.

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### Environmental Education Training Classes Offered

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**Project WILD:** For teachers and youth leaders to learn how to share information with children about wild animals.

**Project WILD Aquatic:** For teachers and youth leaders to learn how to share information with children about aquatic animals and habitats.

**Project Learning Tree:** For teachers and youth leaders to learn how to share information with children about plant and forest communities.

**Teacher Training:** Workshops coordinated with Loudoun County Public Schools. Topics are SOL based and have included pond study and watershed programs.

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### Field Study Site

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Eleven miles of inter-connecting trails provide access to ponds, meadows, wetlands, and early succession through climax forests. Biodiversity plot.

Parking, Restrooms, 2 outdoor pavilions, 2 classrooms, outdoor amphitheater. Equipment available with scheduled tour.

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## EcoVillage of Loudoun County Virginia

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12606 Trillium Glen Lane, Lovettsville, VA 20180  
Grady O'Rear, 540-822-9449, [ecovil@aol.com](mailto:ecovil@aol.com)

[www.ecovillages.com](http://www.ecovillages.com)

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### Mission Statement

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EcoVillage's ecological goal is to preserve and restore biodiversity, the quality and abundance of natural resources and the balance of natural systems so that each generation acts to benefit future generations. EcoVillage's social goals are to: (i) maintain a community lifestyle that protects individual rights, fosters a spirit of community and facilitates activities that benefit individuals, (ii) enrich the community and (iii) promote positive relations with the larger world.

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### Programs/Activities

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Tours are conducted at least twice monthly for about 1,000 visitors per year from the U.S. and every continent. Tours are provided for prospective purchasers, students, professionals and the public.

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## Educational Materials and Resources

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**Website information, community documents, consultation:** Consultation is available to land owners, developers and other building related practitioners. Some documents are available without charge while others require a fee.

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## Environmental Education Training Classes Offered

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**Training in Biodynamic Governance:** Twice yearly an all day training session is offered in this governance approach that mimics natural systems (also known as Sociocracy and Dynamic Governance).

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## Friends of Banshee Reeks Nature Preserve

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P.O. Box 4337, Leesburg, VA 20177  
Emily Southgate, President, esouthgate@earthlink.org

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

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## Mission Statement

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Banshee Reeks Park as a Nature Preserve dedicated to ensure that all the plants, animals, habitats and cultural resources are protected. The Friends of Banshee Reeks Nature Preserve, Inc. (FOBR) is a nonprofit organization of volunteers who support the preservation and conservation of Banshee Reeks. The group's goals are protecting, enhancing and preserving the natural, physical and cultural heritage of the preserve. FOBR's education mission of to provide enhanced opportunities for outdoor experiences, environmental/cultural resource research, and environmental education through the use of the Banshee Reeks Nature Preserve facility.

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## Programs/Activities

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**Sunday in the Preserve:** A naturalist with the Friends of Banshee Reeks and the Loudoun Wildlife Conservancy leads a free informal, family walk around the preserve on the third Sunday of each month. Participants search for the many natural wonders that make Banshee Reeks such a special place. For information call the Banshee Reeks Nature Preserve at 703-669-0316.

**Weekends in the Preserve:** Enjoy many miles of trails at Loudoun County's only nature preserve on Saturday and Sunday of each month when Banshee Reeks nature preserve is open to the public. Bring the family.

**Volunteer Day:** Volunteer Day at Banshee Reeks is held on the 3rd Saturday of each month beginning at 9:00AM. Activities vary month to month and are indoor and outdoor. No registration is required, but an adult must accompany children under 16. Volunteer Day is held regardless of weather conditions. Come to the Visitor/Education Center ready to have fun!

**Visitor Information Volunteer Association (VIVA):** The Visitor Information Volunteer Association (VIVA) program trains volunteers to staff the Visitor Center so it can be open to the public on the 1st and 3rd Saturday and Sunday of each month.

**Guided Walkabouts:** Special guided walkabouts are offered to Scout groups, school classes and community organizations. These special walkabouts are tailored to the needs of the specific

group. Scout groups can earn Activity Pins, Try-its or Merit Badges. School groups can observe aspects of the natural world that they have been studying in the classroom. These walkabouts can be used to introduce groups to some of the special ecological characteristics and wildlife habitats of the preserve. Participants learn more about ecology, natural science and Loudoun County wildlife. Fees are \$2/person with a minimum charge of \$15. Call 703-669-0316 for more information.

**Camping:** Camping is allowed by special permit for Boy Scout and Girl Scout groups only. All camping is LNT (Leave No Trace) and primitive. Campers must hike-in. There are no toilets or water available. Cooking is done on stoves only. Fees are \$2/person/night with a minimum of \$15/night. Call 703-689-0316 for permit application and camping policies.

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### Master Naturalist Program

The Banshee Reeks Chapter of the Virginia Master Naturalist Program offers people the opportunity to become a state certified Master Naturalist. The 12-week course covers topics on Virginia biogeography; ornithology; ecology; botany; management and conservation of ecological systems such as wetlands, forests and urban/suburban settings; teaching and interpretive skills; and citizen science. Classes, when they are offered, are held once each week for 12 weeks and 2 field trips. There are two sessions offered each week with limited enrollment of 20 participants per session. Cost of the total program is \$200/person and includes all books and materials. Classes are open to anyone 18 years or older. For more information about the Virginia Master Naturalist Program, visit [virginiamasternaturalist.org](http://virginiamasternaturalist.org).

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### Educational Materials and Resources

A list of natural history articles, bird list, wildflower list, and photo gallery is available on line at: <http://www.bansheereeks.org>, and <http://www.loudoun.gov/prcs/parks/banshee.htm>.

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### Field Study Site

Banshee Reeks Nature Preserve:

Approx. 700 acres of mixed habitats open to the public between the hours of 8:00 a.m. and 4:00 p.m. every Saturday and Sunday. After hours activities may be approved and scheduled by contacting Banshee Reeks staff at 703-669-0316 to obtain a permit

Classrooms in Education Annex with audio-visual and other equipment by arrangement.

Parking for 300+, Restrooms at Visitors Center and Education Annex when open.  
Contact Ron Circé at 703-669-0316 for more information about the preserve and volunteering.

## Friends of the Blue Ridge Mountains

PO Box 1002, Purcellville, VA 20134  
Al Van Huyck, 540-338-3524, avanhuyck@aol.com

### Mission Statement

To preserve, enhance, and celebrate the Blue Ridge Mountains as a valuable resource and treasured space for present and future generations.

### Programs/Activities

Currently in development: Mountain-oriented bird watching, plant and nature hikes. Programs and events are held at Bear's Den Lodge.

## Girl Scout Council of the Nation's Capital

801 Sycolin Road, SE, Suite 202, Leesburg, VA 20175  
Breana Johnson, 703-840-2073, bjohnson@gscnc.org

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

### Mission Statement

Girl Scouting builds girls of courage, confidence, and character, who make the world a better place.

### Programs/Activities

**Girl Scout Troops:** Various science, nature, and environmental programs earn Girl Scout badges or patches for girls ages 5-18. Some patch programs are sponsored by federal governmental agencies related to environmental conservation. Girl Scouts offer the following programs:

- 50 Daisy Troops in Loudoun County serving over 500 girls.
- 225 Brownie Troops in Loudoun County that serve over 2500 girls.
- 150 Junior Troops in Loudoun County that serve over 1500 girls.
- 75 Teen Troops in Loudoun County that serve over 500 girls.

**Destination Trips:** Teen Girl Scouts are offered the opportunity to participate in "Destination" trips at locations throughout the country and international destinations. Many of the destination trips focus on outdoor ecological and environmental awareness, such as the Everglades, Pacific Northwest, Rocky Mountains, and the Galapagos Islands.

**Adult Training and Leadership:** GS offer opportunities for adults (18+) to receive training and serve in a variety of Adult Volunteer Roles, such as Troop Leader, First Aid, Camping and Outdoors, Event Specialists, Trainers, Mentors, and Administrative Support.

**Community Service and Stewardship:** GS troops support a variety of community service and stewardship projects throughout the County.

**Summer Camp:** GS summer resident camp and day-camp programs are offered at Camp Potomac Woods in Loudoun County, and several other camps in the Northern Virginia Region, the State, and adjacent states.

## **Educational Materials and Resources**

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Science “tubs” that provide training resources for Troop Leaders.

Resource materials to support patch programs.

### **Goose Creek Association**

P.O. Box 1178, Middleburg, VA 20118  
Andrea Rosse, 540-687-3073, info@goosecreekassn.org

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

## **Mission Statement**

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The Goose Creek Association protects and preserves the natural resources, open space, historic heritage, and rural quality of life within the Goose Creek watershed, with emphasis on:

- Continued improvement of water quality and elimination of pollution within the Goose Creek water-shed through certified stream water quality monitoring and the creation of riparian forest buffer zones.
- Protection of rural villages and roadways through the designation of Historic Districts in Loudoun and Fauquier counties.
- Advocacy of conservation easements and purchase of development rights in both Loudoun and Fauquier counties.
- Perpetuation of views and open spaces.
- Partnership with other like-minded organizations to achieve the above goals.

The Association does its work through an active board charged with monitoring stream water quality, proposed developments, legislation, zoning changes, and other actions that have potential impact on the environment and quality of life in the Goose Creek watershed in Fauquier and Loudoun Counties, VA, and sponsoring community forums that seek to forestall unwanted actions or encourage appropriate ones. The Goose Creek Association actively supports the work of other like-minded regional groups, both in spirit and with financial support. We work to facilitate a unified voice for conservation/preservation-minded citizens in the area.

## **Programs/Activities**

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Stream Quality Monitoring  
March Forum - Community workshop  
Goose Creek Clean Up  
Annual Meeting - June

## Goose Creek Scenic River Advisory Committee

751 Miller Drive, Suite C-2, Leesburg, VA 20175  
Mark Peterson, Chairman, 571-233-1703,  
GooseCreekRiver@yahoo.com

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

### Mission Statement

Act as the administering agency, under the Department of Conservation and Recreation, concerning the protection or management of the scenic river. The Committee may consider and comment on any federal, state, or local governmental plans to approve, license, fund, or construct facilities which would alter the natural, scenic or historic assets which qualified the river for scenic designation.

## Keep Loudoun Beautiful

Box 5, Leesburg VA 20178  
Amy Orr, President, 703-771-4231,  
info@keeploudounbeautiful.org

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

### Mission Statement

Maintain the natural beauty and visual quality of Loudoun County. Encourage and educate citizens to keep Loudoun beautiful by recycling and not littering. Promote public awareness of environment challenges and suggest solutions. Improve county trash disposal and eliminate illegal dumping.

### Programs/Activities

**April Clean Up Campaign:** Area leaders ask residents throughout the county to conduct one clean up event within their area of the county. Results re reported to VDOT and the Commonwealth.

**Canoe Clean Up:** Annually county residents clean litter from 4-5 miles of both Goose Creek and the Potomac River banks. (Minimum age 8 years, large high school attendance.)

**Poster and Essay Contest:** Elementary School and Middle School students create posters for spring Clean Up publicity.

**T-shirt Design Contest:** High School students design T-shirt annually. Winning designs are used on shirts given to participants at clean up events.

**Group Fund Raiser Program:** KLB pays church/scout groups between \$25 and \$100 to conduct independent clean up events. Provide some supplies and dumping assistance.

**Monitoring and reporting:** KLB members and area leaders monitor local, county and state enforcement of anti-litter and pollution ordinances. Report illegal dumping activity.

**Roadside Beautification Program:** Purchase and install plants for gardens at county entrances.

## Educational Materials and Resources

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**Litter is a Monster of a Problem:** an 8-page booklet on the legal issues and importance of stopping litter from autos provided to LCPS Driver's Ed students.

**Pete's Pack:** Presentations available to school age groups and scouts on recycling.

**Speaker's Bureau:** Speakers available for meeting presentations on KLB-related topic.

## Loudoun County Dept. of General Services

803 Sycolin Road, Suite 100, S.E., Leesburg, Virginia 20175      [www.loudoun.gov/stormwater](http://www.loudoun.gov/stormwater)  
Randy Williford, 703-737-8686, [randy.williford@loudoun.gov](mailto:randy.williford@loudoun.gov)

## Mission Statement

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Implement six minimum control measures specified in the VPDES Phase II MS4 permit thereby assuring compliance and improving the water quality of Loudoun County's lakes, rivers, and streams.

## Programs/Activities

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**Community Outreach:** Demonstration of the benefits of Stormwater Pond maintenance

Public meetings for Commercial Property Owners and Home Owners Associations

**HOAs, Commercial Property Managers Program:** Explanation of the county's maintenance program for storm water detention facilities and the process for transferring retention ponds for maintenance.

## Educational Materials and Resources

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**Posters:** Educational Posters of Virginia's Watersheds and Water Resources for Middle and High Schools

**Video:** EPA's "After the Storm" video for Middle and High Schools explaining impacts of nonpoint source pollution on streams.

**Storm Drain Markers:** Adhesive markers are available to schools and the general public that are placed on inlet tops of storm drains which designate no dumping within inlets.

## Environmental Education Training Classes Offered

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Lectures on storm water management.

## Loudoun County Department of Health

Division of Environmental Health,  
107 N. Kent Street, Leesburg, VA 21077

[www.loudoun.gov/depts/envhlth.htm](http://www.loudoun.gov/depts/envhlth.htm)

### Mission Statement

TMDL reduction in Catoctin Creek Watershed; education concerning septic system operation and maintenance

### Educational Materials and Resources

Information provided on website, Brochures and pamphlets available, Presentations to public or private entities, Citizens concerned with septic systems or cleaner water in Catoctin Creek Watershed.

## Loudoun County Department of Building and Development

1 Harrison Street, Leesburg, Virginia 20175  
Alex Blackburn, 703-777-0220, [bad@loudoun.gov](mailto:bad@loudoun.gov)

[www.loudoun.gov/bd-environment](http://www.loudoun.gov/bd-environment)

### Mission Statement

Through its natural, environmental, and cultural resources programs and initiatives, the Loudoun County Department of Building and Development is working to identify, protect, manage, and monitor Loudoun's natural, environmental, and cultural resources which are vital to the economic and environmental health of our communities and to our cultural heritage.

### Programs/Activities

The Department offers several programs in environmental and cultural resources information with specific programs and teams assigned to environmental review, water resources monitoring, floodplain management, soils and geology, erosion and sediment control, wetlands, archeology and stormwater management.

### Educational Materials and Resources

Brochures on hydrology, wetlands, stream assessment.

On-line web content: Current hydrologic conditions, annual water resources monitoring, interactive stream assessment mapping.

### Environmental Education Training Classes Offered

Demonstrations and activities at annual education events: Family Stream Day, Earth Day at Loudoun.

## Loudoun County Department of Construction & Waste Management

211 Gibson Street NW, Suite 123 MSC #64, Leesburg, VA 20176  
Tony Hayes, 703-777-0187, Tony.Hayes@loudoun.gov

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

### Mission Statement

Maintain a viable County Solid Waste Management System that meets or exceeds State code requirements, and implement the Board of Supervisors' policies for safe and efficient solid waste management in Loudoun County.

### Programs/Activities

**Recycling Presentations:** Presentation for many ages about recycling.

**Landfill Tours:** Driving tour at the County Solid Waste Management Facility (i.e. County Landfill) for school groups, youth groups, civic organizations, and others interested in how landfills are constructed and operated (minimum group size: 5; minimum age: 5 years; tours scheduled March through November, weekdays only.)

### Educational Materials and Resources

**It's Time To Recycle! Presentation Kit:** PowerPoint Presentation for K-5 about recycling that includes demonstration materials.

**Activity Booklets:** Coloring book for K-3 with activities about recycling and litter prevention.

**PETE's Pack:** Educational kit for K-8+ about PETE (Plastics recycling code #1 such as plastic bottles).

## Loudoun County Master Gardener Association

30 Catoctin Circle, SE, Suite B  
Leesburg, VA 20175

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

Debbie D. Dillion, Urban Horticulturist/Master Gardener  
Volunteer Program Coordinator, 703-771-5838, ddillion@vt.edu

### Mission Statement

Our mission is to educate Loudoun County residents about safe, effective and sustainable landscape management practices. We are volunteers who have received extensive training under the auspices of Virginia Tech and the Loudoun County Cooperative Extension office to provide unbiased research-based horticultural information to the community.

### Programs/Activities

**Speaker Series** - Free to public. Held on the 1<sup>st</sup> Thursday of each month at the Loudoun County Extension Office at 7 pm, January – November.

**Help Desk** – Monday –Friday, 9 am – Noon, call, email, walk-in for plant id, recommendations, problem diagnosis

**Gardening Clinics** – Saturday Mornings, May – September, Sterling (Lowe’s), Leesburg (Farmer’s Market), Purcellville (Southern States)

**Children’s Garden Workshop** – Saturday Mornings, May – June, September - October, LCMG Demonstration Garden, Ida Lee Park, Leesburg, VA

**Demonstration Garden** – actively working/growing April – October; open for visitation year round; all of the fruit and vegetables produced are donated to Inter-Faith Relief.

**Speakers Bureau** – Master Gardener Volunteers make presentations to groups upon request.

**Children’s Education** – Programs on gardening and the environment for children and their families.

**Community Events** – Master Gardener Volunteers participate in many community events each year such as Green Expo, Paint the Town Green, Earth Day, Arbor Day and others.

**Grass Roots** – Program for homeowners that provides a written management plan for appropriate fertilizer and lime recommendations.

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### Educational Materials and Resources

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Many publications related to gardening and the environment are available at the Virginia Cooperative Extension website: <http://pubs.ext.vt.edu/>.

Information and links to other sources are listed under headings of Seasonal Alerts and Gardening Information at [www.loudouncountymastergardeners.org](http://www.loudouncountymastergardeners.org).

### Loudoun Soil and Water Conservation District

30 Catoctin Circle, S.E, Suite H, Leesburg, VA 20175  
(571) 918-4530, ext. 105

Suzanne Brown, EE Contact & Education Outreach Specialist/  
Administrative Coordinator, [suzie.brown@lswcd.org](mailto:suzie.brown@lswcd.org)

[www.loudounsoilandwater.org](http://www.loudounsoilandwater.org)  
Follow us on Facebook

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### Mission Statement

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To provide leadership in recognizing and addressing soil and water conservation issues and problems, both existing and potential, and to promote and develop education and technical programs which will meet the agricultural and urban conservation needs of our District. Loudoun Soil and Water Conservation District is responsible for conservation work within the boundaries of Loudoun County.

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### Programs/Activities for Children

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**Classroom Presentations:** District staff are available for SOL correlated presentations on various conservation related topics including watersheds, soils, recycling, and trees.

**Mini-grant Program:** The District offers a limited number of mini-grants (up to \$500) to Loudoun County teachers. The mini-grants are intended for projects that integrate soil and water conservation into any curriculum.

**Soil Tunnel Exhibit:** The District has a soil tunnel exhibit that is available to Loudoun County schools as a teaching resource. Students crawl through the tunnel and explore life under the soil and examine life above the soil. The exhibit can be used to teach subjects ranging from: plant and root systems, soils, and habitat and more. Schools can reserve the exhibit for up to two weeks at a time.

**Field Days:** District staff leads students in hands-on conservation related activities at multiple stations.

**Storm Drain Marking:** Staff in partnership with the Town of Leesburg and Loudoun County government assist groups in storm drain marking to build awareness about stormwater's impact on our streams, rivers, and the Chesapeake Bay.

**Youth Conservation Camp:** A week long summer conservation camp for Virginia high school students (grades 9-12) on the campus of Virginia Tech sponsored by the Virginia Association of Soil and Water Conservation Districts. One or two students from each District are eligible.

**Arbor Day:** A celebration of trees which includes a poster contest and the county Arbor Day ceremony. Arbor Day is an annual event that showcases the importance of trees in the natural environment.

**Earth Day Celebration:** District staff assist in planning and promoting the annual Earth Day@ Loudoun event to increase resident awareness of the environment. The District exhibits at this event.

**Loudoun County Science and Engineering Fair:** The District sponsors three awards annually: James Rowley Award -Best Project related to Water Quality, Leslie King Award - Best Project related to Natural Resource Conservation, and the Jack Brown Award - Best Project related to Conservation/Environmental Related Concerns.

**Envirothon:** The District will sponsor and assist local school teams that wish to participate in Area/State Envirothon competitions.

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### Environmental Education Programs/Activities for Adults

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**Rain Barrel Workshops:** The District offers Rain Barrel Workshops to Loudoun residents. Participants learn about the many benefits of rain barrels and make a rain barrel to take home. Pre-made rain barrels are also available for purchase.

**Teacher Training Workshops:** Training opportunities are provided to teachers bi-annually to increase their awareness of natural resource conservation and to provide them useful resources to utilize in their classroom.

**Tree Seedling Sale:** The District has an annual tree seedling sale to encourage the planting of trees and to raise money for our special projects.

**Farm Site Visits:** District staff conducts farm visits to help landowners address natural resource issues on their property and help provide assistance through the Virginia Agricultural Best Management Practices Program.

## Loudoun Water

44865 Loudoun Water Way, Ashburn, VA 20147  
Liza Young, Community Relations Specialist, 571-291-7847,  
lyoung@loudounwater.org

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

### Mission Statement

We provide sustainable services to protect health, the environment and quality of life.

### Programs/Activities

**Student Outreach/Tours:** Grades 3-12 teachers and civic groups can request tours of the Loudoun Water's Aquary, a term they created to describe their 3,500 square foot indoor education center and outdoor interpretive area. Children and parents can learn more about where their water comes from and where it goes once it leaves the drain. Also, learn about water conservation, watersheds, careers, runoff and other topics in greater detail as requested. The public is also welcome to visit during normal business hours for a self guided walk through the exhibits. The outdoor trails are open Monday – Friday from dawn to dusk. Due to security reasons, tours cannot be offered of the Broad Run Water Reclamation Facility.

**Community Outreach:** Loudoun Water reps provide free educational materials and demonstrations at community events such as SterlingFest, Earth Day, Family Stream Day, as well as HOA events.

**Larger Community Outreach:** Loudoun Water works with partners on various campaigns – Loudoun Watershed Watch, Only Rain Down the Storm Drain, Water Use It Wisely, EPA's WaterSense – to demonstrate good stewardship to help protect and conserve water resources.

## Loudoun Watershed Watch

David Ward, [info@loudounwatershedwatch.org](mailto:info@loudounwatershedwatch.org)

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

### Mission Statement

Protect the water resources of Loudoun County through a synergy between citizens, private groups, county, and state agencies. LWW promotes environmental stewardship, stream monitoring, watershed management planning, and stream habitat protection.

### Programs/Activities

**Family Stream Day:** Exploration of a local urban stream and hands-on discovery of the relationship between urban stormwater management, stream health, and the many ways you can help your local streams and environment.

**Catoctin Watershed Project:** LWW partners with Loudoun Wildlife Conservancy to provide educational programs and materials, and stewardship projects in support of the DEQ/DCR TMDL water quality restoration initiative in the Catoctin Creek Watershed.

**Project or Program Technical Assistance:** Volunteers assist with watershed and water quality projects, programs, and classroom lessons.

### Educational Materials and Resources

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**Loudoun Watershed Map:** A Map of Loudoun's watersheds showing the impact of local activities on water quality, and providing lively illustrations, word games, and lots of Q&A's is available for Grades 6-8.

**State of Loudoun Streams – 2002 and 2005 report:** Assessment reports of the health of Loudoun streams including detailed profiles of all major Loudoun watersheds

**LWW Website:** Water quality data, reports, and links.

### Environmental Education Training Classes Offered

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**Water quality monitoring – Study Design:** Instruction in designing a stream monitoring study to assess the health of a stream for aquatic life, or to monitor the effectiveness of a benthic TMDL or other stream restoration projects

**Coliscan Easygel Bacteria Monitoring – Protocol and Study Design:** Instruction in designing a study to assess the bacterial water quality of a stream, or to monitor the effectiveness of a bacteria TMDL or other stream restoration projects.

## Loudoun Wildlife Conservancy

P.O. Box 2088, Purcellville, VA 20134-2088  
Joe Coleman, President, 540-554-2542,  
jcoleman@loudounwildlife.org

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

### Mission Statement

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LWC is a non-profit organization of volunteers who promote the preservation and proliferation of healthy wildlife habitats throughout Loudoun County by fostering an understanding of the value of nature and providing opportunities for applying that knowledge to the betterment of the natural environment..

### Programs/Activities

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**Speakers Program and Field Trips:** LWC organizes free monthly speaker programs and free interpretive field trips on a variety of subjects for all ages

**Stream and Wildlife Monitoring:** Volunteers of all ages track habitat health and species populations through stream monitoring, amphibian monitoring, blue bird trail monitoring, annual butterfly count, and Christmas, migratory, and various other bird counts, including a Nightjar survey.

**Habitat Restoration Projects:** Volunteer projects for families & adults to restore stream and wildlife habitats including removal of invasive species and riparian tree plantings

**Youth Summer Nature Camp for Grades 3-6:** Co-sponsors with PEC and Loudoun County PRCS week-long outdoor day camp at Banshee Reeks with focus on nature study of wildlife and habitats

**Naturalist Volunteers:** Volunteers to provide and support naturalist programs and stewardship projects for schools and youth organizations

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### Educational Materials and Resources

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**Provide free after school programs for schools and home-schoolers; train teachers in enhancing their ability to understand natural environments; and assist in nature journaling**

**Assist schools with their environmental education programs**

**Provide special awards and incentives for the annual High School Science Fair**

**Provide nature camp scholarships for students and adults**

**Provide environmental badge/achievement training for Junior Girl Scouts and Cub Scouts**

**Habitat Herald Newsletter:** Free quarterly publication for families and adults with information about local wildlife and plant life

**Brochures:** Free publications and handouts highlighting local flora and fauna with an emphasis on wildlife habitat, including Gardening for Wildlife, Birds, Butterflies, Dragonflies, and other wildlife

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### Environmental Education Training Classes Offered

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**Amphibian Monitoring:** Classes for families & adults on amphibian identification and monitoring protocols

**Blue Bird Trails:** Classes for families & adults on developing and monitoring Blue Bird trails

**Butterflies and birds:** Classes for families and adults on butterfly identification and monitoring protocols

**Stream Monitoring:** Classes for families and adults on macroinvertebrate identification and stream monitoring protocols

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## Luck Stone Corporation

751 Miller Drive, Suite C-2, Leesburg, VA 20175

[www.luckstone.com](http://www.luckstone.com)

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### Mission Statement

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Luck Stone's core purpose is to provide innovative products and business practices to enhance the lives of our associates, our customers, and the communities we serve.

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### Programs/Activities

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**Tours:** Offer tours of quarries for local schools, scouts, citizen organizations, etc., to teach natural science and environmental stewardship.

**Classrooms Presentations:** Associates provide presentations on geology, environmental stewardship, etc., for K-12th grade classrooms.

### Educational Materials and Resources

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Rock kits: Provide rock kits for elementary schools in VA

### Field Study Site

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Leesburg Quarry, Goose Creek Quarry, Bull Run Quarry, Fairfax Quarry.

## Lucketts Elementary Potomac River Rangers

Lucketts Elementary School, <http://www.lcps.org/lucketts> (under PTA)  
14550 James Monroe Highway Leesburg, VA 20176  
Lauren Lang, 571-242-3950, [outdoorLangs@gmail.com](mailto:outdoorLangs@gmail.com)

### Mission Statement

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The Potomac River Rangers program focuses on five areas of learning: conservation, ecology, geology, history, and recreation. The program helps students gain an understanding of: (1) the importance of rivers in general, and the Potomac River in particular, (2) the proximity of the Potomac River to their homes and school, (3) how the river affects their lives, and how the way they live affects the river, (4) the interconnectedness of people, animals, and the environment, and (5) how local streams flow into the (Potomac) river, which flows into the Chesapeake Bay, which flows into the Atlantic Ocean. The Lucketts Elementary PTA, with the enthusiastic support of the school administration and teachers, sponsors the Potomac River Rangers (PRR). The Potomac River, located as the Northern and Eastern boundary of our school district, is a natural and local vehicle for environmental learning.

### Educational Materials/Resources

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**Independent Study Project Sheets:** The independent project sheets are designed for elementary-aged children, though many would be appropriate for older children as well. They are available on the school website, under PTA. They can be used by other environmental education groups, and home school students.

**Potomac River Fair:** Every November the school hosts a River Fair one evening, which has a wide variety of hands-on learning stations, and a display of student work completed through the Potomac River Rangers program.

## Newton Marasco Foundation

1760 Old Meadow Road, McLean, VA 22102                      [www.NewtonMarascoFoundation.org](http://www.NewtonMarascoFoundation.org)  
Field Offices: Loudoun County, VA  
(P.O. Box 2129, Purcellville, Virginia 20134) and Talbot County, MD  
Amy Marasco Newton, President, 703-748-7575; fax 703-448-5752,  
[anewton@NewtonMarascoFoundation.org](mailto:anewton@NewtonMarascoFoundation.org)  
Contact: Amie Ware, 540-668-7738, [aware@NewtonMarascoFoundation.org](mailto:aware@NewtonMarascoFoundation.org)

### Mission Statement

The Newton Marasco Foundation (NMF) is a non-profit organization dedicated to inspiring the next generation of environmental stewards. We work to empower our next generation of environmental stewards through programs that provide hands-on educational experiences in outdoor environments, as well as interesting and fun environmental education tools to be used in the classroom. NMF works with teachers and students at every grade level to augment science classes with habitat work, field trips, in-class activities, literature, art contests, and more.

### Programs/Activities

NMF has four primary environmental programs, described below.

**Field It**—brings youth to outdoor classrooms to learn about nature. This includes the Chapman DeMary Trail (CDT), located in what is considered to be the last stand of old forest growth in the Town of Purcellville. The CDT is located behind the building at 205 East Hirst Road in Purcellville (near the Taco Bell/KFC). It is a great destination for school field trips, youth group trips, and nature walks with educational information available throughout the 1-mile trail.

**Teach Green**--brings creative environmental tools into the classroom and mentors the next generation of environmental professionals. Through this program, and with a generous grant from the Luck Stone Foundation, we are developing games and resource guides for high schools, middle schools, and elementary schools as part of a school toolkit called Education on Energy and the Environment.

**Read Green**--increases environmental literacy of children and young adults through efforts such as March into Reading, corporate book drives, book donations, teacher curriculum, author tours, and more. Through this program, the Newton Marasco Foundation established the nation's first environmental stewardship book award called the Green Earth Book Award.

**EnGAUGE it**--teaches new and experienced drivers that keeping tires properly inflated helps save money, save lives, and save the environment.

### Educational Materials and Resources

**Energy Education Game:** Based on the "Who Wants to be a Millionaire" game. High school students (this is currently being adapted to other environmental topics).

**Education on Energy and the Environment:** A toolkit for schools that includes multi-media games based on "Jeopardy" and "Who Wants to be a Millionaire." Games are focused on the environment and based on Virginia SOLs, with versions for high school, middle school, and elementary school. It is scheduled for release in 2011.

**General resource information** on a variety of environmental topics including presentations and information about how to establish and maintain outdoor classrooms on school grounds. Teachers and students.

**Speakers:** available to present on a variety of environmental topics. K-12 students and teachers.

## Northern Virginia Community College

Loudoun Campus, 1000 Harry Byrd Hwy, Sterling, VA 20164 [www.nvcc.edu](http://www.nvcc.edu)  
Joyce Samuels, Dean, Natural and Applied Sciences, 703-450-2575, [jsamuels@nvcc.edu](mailto:jsamuels@nvcc.edu)  
Fred Terranova, 703-450-2576, [fterranova@nvcc.edu](mailto:fterranova@nvcc.edu)

### Mission Statement

Respond to the educational needs of dynamic and diverse constituencies through an array of comprehensive programs and services that facilitate learning and workforce development in an environment of open access and through lifelong educational opportunities.

### Programs/Activities

Northern Virginia Community College (NVCC) is in the initial planning stage for an environmental science/policy/studies program. The college is soliciting help in the design of this program, based on community and workforce needs.

### Environmental Education Training Classes Offered

College-level coursework in environmental science, environmental policy, environmental law, environmental design (interior, architectural, landscape, etc.)

## Piedmont Environmental Council (PEC)

Warrenton – 45 Horner St., Warrenton, VA 20186 [www.pecva.org](http://www.pecva.org)  
Gem Bingol, 703-431-6941, [gbingol@pecva.org](mailto:gbingol@pecva.org)

### Mission Statement

Safeguarding the landscapes, communities and heritage of the Piedmont by involving citizens in public policy and land conservation. PEC helps citizens to achieve four interrelated goals: understand and envision the Piedmont, protect what can be protected, respond to the forces of change, and direct growth to the right places. PEC's service area includes 3,538 square miles in Loudoun, Clarke, Fauquier, Rappahannock, Culpeper, Madison, Orange, Greene and Albemarle counties. It also supports organizations with like missions and goals in surrounding counties and states.

## Programs, Activities, Educational Materials, and Resources

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**Youth Nature Day Camps:** PEC partners with local organizations to sponsor six Natural History Day Camps during the summer months for elementary and middle school aged children. For over 21 years, these camps have inspired in children a sense of wonder and appreciation for their natural surroundings. PEC's Natural History Day Camp partners include garden clubs, soil and water conservation district offices, and county parks and recreation departments.

**Young Adults (19-25) Fellowship Program:** The Fellowship Program is a six-week program offering students a fully immersive, hands-on experience in PEC's nationally recognized, highly successful regional movement for land conservation and land use planning. The program offers an exceptional opportunity for college students to get firsthand experience with an organization that is recognized nationally for its highly successful model of land conservation and land use planning.

**Young Adults/Adults Specialized Internships:** Internships are offered on Multimedia, GIS, Environmental Economics and Conservation Real Estate, and Conservation Easement Case Law. Interns work on completing specialized projects. Students may also apply for a college credit / stipend-based internship.

**Landowner's Easement Parties:** Educational outreach to landowners of a certain area regarding conservation easements

**Coordinated effort with High School System & Local Government:** PEC partners with Environmental Education Teachers at Loudoun Valley High School & the Town of Purcellville to give students an educational opportunity that provides field support for local water quality improvement project. This is a model for other projects which PEC would be open to supporting.

**General Watershed Education:** Watershed and water quality improvement projects offer opportunities to participate in hands-on demonstration projects such as tree-planting and rain garden installations.

## Resource Materials

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"Managing Land in the Piedmont of Virginia for the Benefit of Birds and Other Wildlife," a guide for landowners to preserve bird habitat, written by PEC staff in cooperation with the American Bird Conservancy.

"Loudoun Outdoors," a guide to Loudoun's recreational opportunities for hiking, wildlife-watching, biking and boating, written by PEC staff with cooperation and support by REI.

**Land Conservation and Land Use educational materials -- Charts and Graphs:** Total Acres of Protected Land in the Piedmont, Acres Protected Last Year, Conservation Before & After the Tax Credit

**Easements and Tax:** Tax Benefits- Summary, Tax Benefits- Detailed Info, Virginia State Income Tax Credit, American Farm and Ranch Protection Act

**Landowner Resources:** Free Information Packet, Steps for Landowners Who Wish to Donate an Easement, Virginia Outdoors Foundation Easement Guidelines, Virginia Outdoors Foundation Sample Easement, Virginia Outdoors Foundation Approval Procedures, Virginia Outdoors Foundation Consent Form, Open Space Lands Preservation Trust Fund: Financial Assistance for Family Farms.

**“Field Guide to Common Wetland Plants of Virginia’s Piedmont”** A field guide to learn about common wetland plants like ferns, grasses, shrubs, and trees of the Piedmont region and explore how wetlands can be protected, mitigated, and restored.

**Loudoun County Buy Fresh Buy Local Guide** is produced yearly in cooperation with Loudoun County and community partners. It is a handy resource for those who want to find local sources for their food.

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## Environmental Education Training Classes Offered

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**Tax Credit Seminars for Professionals:** Seminar for professionals who work with landowners whose land is under conservation easement.

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## Project Learning Tree

Project Learning Tree National Office  
1111 19th Street, NW Suite 780 Washington, DC 20036  
202-463-2475, [information@plt.org](mailto:information@plt.org)

[www.plt.org](http://www.plt.org)  
[www.greenschools.org](http://www.greenschools.org)

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## Mission Statement

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Project Learning Tree® (PLT) is the environmental education program of the American Forest Foundation. For 35 years, Project Learning Tree® has been taking kids outside to learn. PLT uses the forest as a “window” on the world to increase students’ understanding of our environment; stimulate students’ critical and creative thinking; develop students’ ability to make informed decisions on environmental issues; and instill in students the commitment to take responsible action on behalf of the environment.

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## Programs, Activities, Educational Materials, and Resources

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For more information about these activities, materials, and resources, please visit [www.plt.org](http://www.plt.org).

**PreK-8 Environmental Education Activity Guide:** provides educators with 96 high quality, fun, and engaging lessons on topics ranging from forests, wildlife, and water, to community planning, recycling, and energy. Each activity guides the learner through the process of awareness, understanding, challenge or consensus, and action using active involvement and hands-on experiences. Activities can be used individually, or they can be used with other activities as part of a conceptual framework. The guide incorporates the latest innovations in education: reading strategies are imbedded within activities and reading connections list relevant fiction and non-fiction books; technology connections expose students to a myriad of software applications, imaging technology, and internet resources; assessment strategies are closely aligned with clear objectives; and suggestions for differentiated instruction help teachers reach students with varying needs and talents.

**PreK-8 Energy and Society Kit:** helps PreK-8 students learn about their relationship with energy and investigate the environmental issues related to energy’s role in society. In addition to hands-on activities, Energy & Society integrates music and dance to enhance the study of environmental issues. These energy education tools can be used in social studies, science, math,

language arts, music, and physical education classrooms. The Energy & Society program includes an award winning Energy & Society music CD and dance DVD, posters, and energy activities.

**Environmental Experiences for Early Childhood:** Since 1993, Project Learning Tree's PreK-8 Environmental Education Activity Guide has featured activities designed for use with young children. The new PLT *Environmental Experiences for Early Childhood* Activity Guide builds on those early childhood activities and is a resource specifically designed and created for educators that work with early childhood audiences. The PLT Early Childhood guide contains eleven activities, which provide an introduction to environmental education at a key developmental period in children's lives. PLT's Early Childhood activities explore the senses, the seasons, and neighborhood trees, as well as highlight the importance of kinetic learning and engagement by featuring an accompanying music and movement compact disc.

**Secondary Curriculum Materials:** PLT has supplementary materials for secondary educators consisting of individual modules. These materials challenge students to explore the many facets of an issue – illustrating the complexity of real life environmental decisions. Modules are interdisciplinary and standards-based, while incorporating key concepts from social science, humanities, sciences, and math.

**PLT modules include:**

- Exploring Environmental Issues: Focus on Forests
- Global Connections: Forests of the World
- Exploring Environmental Issues: Focus on Risk
- Exploring Environmental Issues: Biotechnology (available online at [www.plt.org](http://www.plt.org))
- Exploring Environmental Issues: Places We Live
- Exploring Environmental Issues: Biodiversity (available online at [www.plt.org](http://www.plt.org))
- Exploring Environmental Issues: Municipal Solid Waste

**GreenWorks!:** the service-learning, community action program of PLT. *GreenWorks!* blends service activities with the academic curriculum and addresses real community needs as students learn through active engagement. *GreenWorks!* environmental action projects link classroom learning and the real world by connecting educators and students with their communities. *GreenWorks!* action projects make a difference in how young people think, their sense of community responsibility, and their understanding of their own relationship to the environment.

**Earth & Sky for Teachers:** Project Learning Tree has teamed up with the Earth & Sky Radio Program to combine the power of radio, the internet, and PLT. This valuable online educational tool enhances the teaching of PLT activities by providing educators with access to accurate, reliable, and understandable scientific research and data. Relevant PLT activities are correlated to Earth & Sky's radio shows. Correlations and additional resources about the shows' topics can be found at [www.plt.org](http://www.plt.org); Resources.

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## Environmental Education Training Classes Offered

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**PLT Workshops:** PLT curriculum materials are made available through professional development workshops. By participating in PLT workshops, educators join a network that has reached more than 20 million students world-wide. The PLT network includes State Coordinators, international partners, workshop leaders, classroom teachers, nature center staff, youth group leaders, resource management professionals, state and federal government

agencies, professional associations, business and industry, and PLT staff – literally hundreds of people who work together to help students learn.

For more information about PLT Workshops in Virginia, contact Lisa Deaton at 804-328-3031 or [lisa.deaton@dof.virginia.gov](mailto:lisa.deaton@dof.virginia.gov).

## River Stories, LLC

20919 Watermill Road, Purcellville, VA 20132-5015

[www.bayhistory.net](http://www.bayhistory.net)

Mr. Hayden Mathews, Owner/Operator, 540-338-8426, (9 AM -5 PM)

[riverstories@comcast.net](mailto:riverstories@comcast.net)

### Mission Statement

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River Stories programs are designed to get students interested in exploring the places they live and learning about the Ecohistory of the Mid-Atlantic region. By telling the fascinating stories of the rocks, the waters, the climate, and the living communities (which included humans starting 15,000 years ago), these programs create a vibrant sense of place that has a time span that includes dinosaurs, Dolley Madison, and Dulles Airport and whet students' appetites for independent research and exploration. I believe that learning should be fun and a life long pursuit and my programs reflect that belief.

### Programs/Activities

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River Stories offers interactive slide programs that afford students and teachers alike new ways of seeing and appreciating the history of the Mid-Atlantic region. The slide programs explore all aspects of regional history and include geology, colonial settlement, Chesapeake Bay ecology, Native Americans and tell the stories of some remarkable people such as the sisters who were part of a failed slave escape on the Potomac River in 1848, and George Washington's Great Grandfather, John, who helped start of chain of events that almost destroyed the Virginia Colony in 1676. Other programs seek to explore the region with eye and heart by examining the beauty of regional wild flowers and the different facets of 'place' as revealed through poetry. Custom programs can also be requested and tailored to your particular classroom needs.

### Educational Materials and Resources

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The River Stories web site ([www.bayhistory.net](http://www.bayhistory.net)) offers teachers and students a wealth of free information gleaned from 35 years of regional exploration: recommendations for local travel; links to current events of special note; and recommendations for books, media, and web sites that will help students understand, appreciate, and explore this region and its fascinating history.

## Town of Leesburg

P.O. Box 88, 25 West Market Street, Leesburg, VA 20176

[www.leesburgva.gov](http://www.leesburgva.gov)

## Town of Leesburg - Department of Engineering and Public Works

Nathaniel Ogedegbe, Stormwater Management Engineer,  
703-737-3269, [nogedegbe@leesburgva.gov](mailto:nogedegbe@leesburgva.gov)

### Mission Statement

To provide a safe and healthy community in which to live, work and recreate while honoring our history and preserving our small town character.

### Programs/Activities

Staff can assist with Public outreach to schools, community events such a Leesburg Flower and Garden Festival, Keep Leesburg Beautiful, Family Stream Day, HOA meetings.

- Storm Drain Marking Program (Outdoor activities)
- Presentations on Watershed Modeling (Class presentation)
- Stream Monitoring and Illegal discharges (Class and Outdoor Presentation)

### Educational Materials and Resources

- Storm Drain Markers
- Doing your part to reduce stormwater pollution in our waterways
- Doing your part to eliminate Pet waste Pollutants in our waterways
- Recycling in the Town of Leesburg
- Community and clean up events

## Town of Leesburg - Department of Utilities

Aref Etemadi, Deputy Director Dept. of Utilities  
(703)771-2750, [aetemadi@leesburgva.gov](mailto:aetemadi@leesburgva.gov)

### Program/Activities

Staff can visit various schools and groups within service area to talk about water conservation, watersheds, careers etc. Tours of the water and wastewater treatment plants are available. Staff can assist with community events such a Leesburg Flower and Garden Festival, Family Stream Day, HOA meetings. Town is a partner with the Wise Water Use campaign.

### Educational Materials and Resources

Children activity books, brochures, landscape guides, rain gauges, dye tabs and other materials.

## Program/Activities

Staff can visit various schools and groups within service area to talk about water conservation, watersheds, careers etc. Tours of the water and wastewater treatment plants are available. Staff can assist with community events such a Leesburg Flower and Garden Festival, Family Stream Day, HOA meetings. Town is a partner with the Wise Water Use campaign.

## Educational Materials and Resources

Children activity books, brochures, landscape guides, rain gauges, dye tabs and other materials to provide water conservation and proper disposal (what not to flush) etc.

## Town of Purcellville

130 E. Main Street, Purcellville, VA 20132  
Alex Vanegas, CPM, Asst. Dir. Public Works Dept.  
540-751-2313, avanegas@purcellvilleva.gov

## Programs/Activities

**Tours:** Tours of water supply and waste water facilities are offered to high schools as an additional means to educate students.

**Internships:** The Town offers internships in the summer in an attempt to increase awareness of the opportunity to be water and sewer operators and help teach the importance of water and wastewater treatment. The town also teams with the local high school environmental science department on stream mitigation work on Town property.

**Chapman/DeMary Trail:** Approximately 2,000 foot wood chip trail along South Fork Catoctin Creek east of Hatcher Avenue near Hirst Road. Plant identification signage planned but not completed. The Town holds a conservation easement on the land where the trail is located. Trail constructed and maintained by Loudoun Valley High School environmental classes. There is parking at Hatcher Avenue and the W&OD Trail.

**Nature Park:** Approximately 2,400 foot Nature Park on both sides of South Fork Catoctin Creek between Hatcher Avenue and North 21st Street. Trails and plant signage are planned but not completed. There is parking at lot across the street from Train Station on North 21st Street and at Hatcher Avenue and W&OD Trail.

**W&OD Trail:** Regional Trail from Arlington to Purcellville ending at Train Station on North 21st Street. Complete distance paved bituminous and at some stretches in Loudoun County is also an equestrian trail. There is parking at lot across the street from Train Station and at Hatcher Avenue.

**Mary Foust Mare' Pocket Park:** Destination rest stop at 130 East Main Street behind Town Hall. Gazebo with benches and picnic tables are available. There is parking in the Town lot and at the northeast corner of Hatcher Avenue and Main Street.

**Fireman's Field:** At 250 South Nursery Avenue. Skating Rink and baseball field site for outdoor /indoor movies, music, and other events, such as Babe Ruth baseball in the summer. Picnic tables are located in the woods at the south end of the property behind the baseball stadium. Fireman's Field is an historic site and a Conservation Easement and Restrictive Covenant is held by the Virginia Department of Historic Resources. Parking is available at the site.

**Paint Purcellville Green Event:** Held in the fall at Town Hall, 130 East Main Street. Activities include a green visual art exhibit by local artists, green-theme music from local bands and performers, and educational booths from local non-profit organizations and businesses with green products or services.

### Educational Materials and Resources

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**Rain Barrel Workshops:** Workshops for Town residents are held several times each year in cooperation with the Loudoun Soil and Water Conservation District. Rain barrels are equipped with fittings, made available for sale, and some instruction on their use is provided. The events are advertised in local papers and by press release.

**Educational Materials:** Town Water Resource Study and Water Conservation Plan are available for review. Various water resource, water pollution, and environmental brochures, as well as the Annual Water Quality Report are available to take away. The Town is a partner in the EPA WaterSense program which provides educational materials about water.

**Low-flow Devices:** Free low-flow shower heads, faucet aerators, leak detection dye tablets, and shower timers are available for Town residents as an in home activity to conserve water.

## Virginia Cooperative Extension – Loudoun County Unit

30 B Catoctin circle S.E., Leesburg, Virginia 20175  
Corey Childs, 703-777-0373, cchilds@vt.edu

[www.ext.vt.edu](http://www.ext.vt.edu)

### Mission Statement

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Loudoun Cooperative Extension is an educational partnership between the U. S. Department of Agriculture, Virginia Tech and Virginia State Universities (Land Grant Universities), and local government. Trained Extension personnel draw upon the knowledge and resources of specialists and research scientists from the universities. The department offers educational programs designed to meet the needs of the Loudoun community in Agriculture, Horticulture, Family & Community Sciences, and 4-H Youth Development. Local program delivery is also enhanced by hundreds of volunteers who receive training by Extension personnel.

The mission of Loudoun Cooperative Extension is to provide educational information and resources to Loudoun County citizens through an educational process, which uses scientific, research-based knowledge, to address relevant, issues and needs to help them improve their lives. It serves as the primary source of assistance for agriculture and horticulture production within the County.

### Programs/Activities

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**Youth Environmental Education for Ages 5-19:** 4-H clubs, 4-H Special Interest groups

**Adult Environmental Education:** Master Gardner's Certification Trainings, Conservation- Best Management Practices for Commercial Horticultural, Forestry and Agricultural Producers, Conservation- Best Management Practices for Home Owners

## Educational Materials and Resources

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Research based -Fact sheets and educational brochures

Web based educational opportunities

## Environmental Education Training Classes

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Educational programs and activities for adults and youth vary throughout the year and include demonstration projects

Parking, restrooms, classroom, and equipment are available at office site.

## VA Dept. of Game and Inland Fisheries

4010 W. Broad St. Richmond, VA 23230  
Carol A. Heiser, Habitat Ed. Coordinator,  
804-367-6989, Carol.Heiser@dgif.virginia.gov  
Suzie Gilley, Wildlife Ed. Coordinator,  
804-367-0188, Suzie.Gilley@dgif.virginia.gov

[www.dgif.virginia.gov](http://www.dgif.virginia.gov)

## Mission Statement

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It is the mission of the Virginia Department of Game and Inland Fisheries to

- manage Virginia's wildlife and inland fish to maintain optimum populations of all species to serve the needs of the Commonwealth;
- to provide opportunity for all to enjoy wildlife, inland fish, boating and related outdoor recreation and to work diligently to safeguard the rights of the people to hunt, fish and harvest game as provided for in the Constitution of Virginia;
- to promote safety for persons and property in connection with boating, hunting and fishing;
- and to provide educational outreach programs and materials that foster an awareness of and appreciation for Virginia's fish and wildlife resources, their habitat, and hunting, fishing, and boating opportunities.

## Selected Programs/Activities

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**Schoolyard Habitat Workshops:** Half-day or full-day trainings for K-12 teachers on how to improve habitat for wildlife on school grounds and use the site as an outdoor classroom (no program fee)

**Wildlife Habitat Training:** Half-day or full-day trainings for Master Gardeners, Master Naturalists, and Soil & Water District staff on methods for improving wildlife habitat in a variety of settings and how to work with community members on special habitat projects (no program fee)

**Conservation Landscaping Workshops:** Half-day or full-day trainings for landscape designers, landscape architects, planning and zoning staff, developers and builders on how to apply conservation landscaping principles that improve wildlife habitat and water quality, such as by

using native plants, reducing lawn, and applying Low-Impact Development techniques (no program fee)

**Project WILD Workshops:** The Project WILD Curriculum Guides are available to educators who attend 4-6 hours in-service workshops. Materials are correlated to Virginia Standards of Learning and the national standards. Workshops are available statewide at no cost.

Other outreach programs are available such as Outdoor Education for families.  
[www.dgif.virginia.gov/education](http://www.dgif.virginia.gov/education).

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## Educational Materials and Resources

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“Habitat at Home©” brochures: Eight page glossy with habitat information and a plant list for the public.

Selected informational handouts for general public available online at [www.dgif.virginia.gov/habitat](http://www.dgif.virginia.gov/habitat): “Feeding Wildlife: Food for Thought”; “When Wildlife Overstays its Welcome”; “Providing Water in Your Habitat at Home©”; “Bird Feeding Basics”; “Get Ready for Spring: Build a Bird House”

Virginia Wildlife magazine: \$12.95 annual subscription for 12 issues available to general public.

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## Field Study Sites

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Public Wildlife Management Areas:

DGIF operates 39 Wildlife Management Areas around the state which are open to the public for hunting, fishing, hiking, birdwatching and school field trips. For details and maps of individual sites, go to [www.dgif.virginia.gov/wmas](http://www.dgif.virginia.gov/wmas) and click on “Hunting,” where you will see a link for “Wildlife Management Areas.”

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## Virginia Master Naturalist - Banshee Reeks Chapter

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P.O. Box 1102, Leesburg, VA 20177  
Email: [vmnbansheereeks@gmail.com](mailto:vmnbansheereeks@gmail.com)

[www.virginiamasternaturalist.org/chapters.html](http://www.virginiamasternaturalist.org/chapters.html)

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## Mission Statement

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The Virginia Master Naturalist Program is a statewide corps of volunteers providing education, outreach, and service dedicated to the beneficial management of natural resources and natural areas within their communities. Interested Virginians become Master Naturalists through training and volunteer service. The Virginia Master Naturalist Program is a state program but is chapter-based at the local level where locally-based chapters hold trainings and work with partners to organize service projects. A new Banshee Reeks chapter was established in the fall of 2006.

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## Programs/Activities

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Various programs are being developed as volunteer projects for all ages.

## Educational Materials and Resources

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Volunteer instructors

## Environmental Education Training Classes Offered

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Virginia Master Naturalist: Basic and Advanced Training for adults. More information is available at [www.virginiamasternaturalist.org/documents.html](http://www.virginiamasternaturalist.org/documents.html)

VMN Brochure: A VMN Brochure is available for download at [www.virginiamasternaturalist.org/downloads/Publication\\_465-300-MN\\_program\\_brochure\\_customizable.pdf](http://www.virginiamasternaturalist.org/downloads/Publication_465-300-MN_program_brochure_customizable.pdf)

VMN Slide Presentation: A slide presentation on the organization is available at [www.virginiamasternaturalist.org/downloads/VMN\\_overview\\_for\\_potential\\_volunteers-shared\\_version.pdf](http://www.virginiamasternaturalist.org/downloads/VMN_overview_for_potential_volunteers-shared_version.pdf)

## Virginia Naturally

### The Commonwealth's Environmental Education Network

VA Office of Environmental Education-DEQ  
P.O. Box 1105, Richmond VA 23218  
VA Naturally Coordinator, 804-698-4550

[www.vanaturally.com](http://www.vanaturally.com)

## Mission Statement

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Adopted in 2000 as the official environmental education initiative goals of the Commonwealth, Virginia Naturally strives to link Virginians to environmental information and stewardship of the Commonwealth's natural and historic resources.

## Programs/Activities

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Education:

- Educational resources such as curriculum supplements, maps, self-guided trails, exhibits, publications, and videos.
- Recreational activities that incorporate environmental learning such as interpretive programs at parks, educational canoe trips, and cleanup/stewardship programs.
- Events such as community festivals, school fairs, conferences, and training opportunities.
- Educational services such as speakers for classroom or group presentations, advisory services, and grants.

## Educational Materials and Resources

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Provides a gateway to statewide environmental education resources including information about volunteer opportunities, educational classes, places to visit, community events, watershed maps, lesson plans, and recreational activities, to name a few.

Recognizes exemplary efforts and makes it easy for schools and communities to access resources and deliver environmental education programs.

Links public and private groups together to reach more citizens from all sectors of the Commonwealth to promote a better understanding of scientific and economic challenges.

## Virginia Resource-Use Education Council

P O Box 11104, Richmond, Virginia 23230-1104  
Suzie Gilley, Suzie.gilley@dgif.virginia.gov, 804-367-0188

[www.vanaturally.com/vrucec.html](http://www.vanaturally.com/vrucec.html)

### Mission Statement

The VA Resource Use Education Council is an interagency workgroup established in 1952 to assist educators in the teaching of Virginia's natural resources. The Council provides assistance to the Virginia Naturally program operated by the Department of Environmental Quality and staffs the interagency work group for the Chesapeake Bay 2000 Agreement.

### Programs/Activities

Chesapeake Bay Academies: One-week summer institute on the Bay for teachers

### Educational Materials and Resources

Educator's Guide to Virginia's Natural Resources: An on line guide for science standards 4.8 and 6.9

Virginia's Classroom Grants: Small \$500-\$1,000 grants available to teachers to help meet the Meaningful Watershed Educational Experience goal.

## Waterford Foundation, Inc.

40183 Main Street, PO Box 142, Waterford VA 20197  
Nancy Doane, 540-882-3018, [ndoane@waterfordva.org](mailto:ndoane@waterfordva.org)

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

### Mission Statement

The mission of the Waterford Foundation, Inc. (WFI) is to preserve historic buildings and open spaces of the National Historic Landmark District of Waterford, Virginia and, through education, to increase the public's knowledge of life and work in an early American rural community.

### Programs/Activities

WFI partners with the Loudoun Wildlife Conservancy (LWC) in conducting demonstration projects in the areas below. Volunteers are always welcome. Please register with LWC (see page 22) if you would like to help out with any of these projects.

- Riparian habitat restoration of stream banks, controlling erosion, and improving habitat along the South Fork of the Catoctin Creek on the historic Phillips Farm property.
- Invasive plant removal
- Water quality monitoring volunteers measure the quality of water in the South Fork of Catoctin Creek using aquatic invertebrates as indicator species.
- Butterfly and blue bird population monitoring and annual count.
- Amphibian Monitoring Program.

### **Educational Materials and Resources**

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A comprehensive brochure and self guided walking tour are available at the entrance to the Phillips Farm behind the Old Mill. The natural and cultural history of the Farm is included. More information, including the Access Policy, is available on the Foundation's website at [www.waterfordfoundation.org](http://www.waterfordfoundation.org). Groups must schedule access by calling 540-882-3018.

### **Field Study Sites**

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Catoctin Creek, floodplain, deciduous and coniferous woodland, meadows, hedgerows. Limited parking, no other facilities.

## **Wildlife Ambassadors**

PO Box 22, Paeonian Springs, VA 20129

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

Contact: Becky Shore, 571-252-0036, [Becky@wildlifeambassadors.org](mailto:Becky@wildlifeambassadors.org)

### **Mission Statement**

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Wildlife Ambassadors is an educational outreach wildlife program where the animals are the teachers. The ambassadors are the backbone of our program creating a bond between humans and wildlife and nurturing future conservationists. We provide permanent sanctuary for the ambassadors which include 20 plus animals that are non-releasable wildlife, displaced pets, and wildlife from other organizations or zoos.

### **Programs/Activities**

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Wildlife programs for schools, libraries, community centers, nature centers and more. Current programs include American Wildlife, Amazing Animals, Journey to the Jungle, Creepy Crawlies and Backyard Buddies. We provide formal assembly and hands on shows as well as Animal Encounters for longer events.

- Wildlife classes and workshops at community centers, afterschool programs.
- Wildlife speaker/lecture series available to civic groups- scouts, environmental organizations and more. Scout service projects and badges.
- Wildlife Trunks: animal artifacts, pelts, bones, skulls, feathers to enhance programs or school curriculum.
- Volunteer opportunities for youth and adults.

## **Educational Materials and Resources**

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Quarterly newsletter, Wildlife blog on web site, Activities and crafts for kids.



## DIRECTORY OF MEMBER ORGANIZATIONS

### **Adventure Links**

21498 Blue Ridge Mountain Rd., Paris, VA 20130

[www.adventurelinks.net](http://www.adventurelinks.net)

### **Alice Ferguson Foundation**

2001 Bryan Point Road, Accokeek, MD 20607

Jeanne Troy, Bridging the Watershed Program Director,  
301-292-8757, [jtroy@fergusonfoundation.org](mailto:jtroy@fergusonfoundation.org)

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

general requests use

[inquiries@bridgingthewatershed.org](mailto:inquiries@bridgingthewatershed.org)

### **Audubon Naturalist Society- Rust Nature Sanctuary**

Julie Gurnee, Rust Education Coordinator/Naturalist,

703-669-0000 x1, [JulieG@audubonnaturalist.org](mailto:JulieG@audubonnaturalist.org)

Susanne Ortmann, Loudoun Greenkids, Rust School Programs

703-669-0000 x2 [sortmann@audubonnaturalist.org](mailto:sortmann@audubonnaturalist.org)

[www.anshome.org/rust](http://www.anshome.org/rust)

### **Blue Ridge Center for Environmental**

11661 Harpers Ferry Rd., Purcellville, VA 20132

Darlene Lamoureux, Operations Manager, 540-668-7640,

[DLamoureux@blueridgecenter.org](mailto:DLamoureux@blueridgecenter.org) or [info@blueridgecenter.org](mailto:info@blueridgecenter.org)

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

### **Broadlands Nature Center**

21907 Claiborne Parkway, Broadlands, VA 20148

Lisa Matthews, 703-729-9726, [naturalist@broadlandshoa.com](mailto:naturalist@broadlandshoa.com)

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

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

### **Claude Moore Park**

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

Visitor Center 571-258-3700

Dodie Lewis, Park Naturalist, 571-258-3704,

[dodie.lewis@loudoun.gov](mailto:dodie.lewis@loudoun.gov)

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

### **EcoVillage of Loudoun County Virginia**

12606 Trillium Glen Lane, Lovettsville, VA 20180

Grady O'Rear, 540-822-9449, [ecovil@aol.com](mailto:ecovil@aol.com)

[www.ecovillages.com](http://www.ecovillages.com)

### **Friends of Banshee Reeks Nature Preserve**

P.O. Box 4337, Leesburg, VA 20177

Emily Southgate, President, [esouthgate@earthlink.org](mailto:esouthgate@earthlink.org)

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

### **Friends of the Blue Ridge Mountains**

PO Box 1002, Purcellville, VA 20134

Al Van Huyck, 540-338-3524, [avanhuyck@aol.com](mailto:avanhuyck@aol.com)

### **Girl Scout Council of the Nation's Capital**

801 Sycolin Road, SE, Suite 202, Leesburg, VA 20175

Breauna Johnson, 703-840-2073, [bjohnson@gscnc.org](mailto:bjohnson@gscnc.org)

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

### **Goose Creek Association**

P.O. Box 1178, Middleburg, VA 20118

Andrea Rosse, 540-687-3073, [info@goosecreekassn.org](mailto:info@goosecreekassn.org)

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

**Goose Creek Scenic River Advisory Committee** [www.loudoun.gov/Default.aspx?tabid=1586](http://www.loudoun.gov/Default.aspx?tabid=1586)  
751 Miller Drive, Suite C-2, Leesburg, VA 20175  
Mark Peterson, Chairman, 571-233-1703, [GooseCreekRiver@yahoo.com](mailto:GooseCreekRiver@yahoo.com)

**Keep Loudoun Beautiful** [www.keeploudounbeautiful.org](http://www.keeploudounbeautiful.org)  
Box 5, Leesburg VA 20178  
Amy Orr, President, 703-771-4231, [info@keeploudounbeautiful.org](mailto:info@keeploudounbeautiful.org)

**Loudoun County Dept. of General Services** [www.loudoun.gov](http://www.loudoun.gov)  
803 Sycolin Road, Suite 100, S.E., Leesburg, Virginia 20175 [www.loudoun.gov/stormwater](http://www.loudoun.gov/stormwater)  
Randy Williford, 703-737-8686, [randy.williford@loudoun.gov](mailto:randy.williford@loudoun.gov)

**Loudoun County Department** [www.loudoun.gov/depts/envhlth.htm](http://www.loudoun.gov/depts/envhlth.htm)  
Division of Environmental Health,  
107 N. Kent Street, Leesburg, VA 21077

**Loudoun County Department of Construction & Waste Management**  
211 Gibson Street NW, Suite 123 MSC #64, Leesburg, VA 20176 [www.loudoun.gov/oswm](http://www.loudoun.gov/oswm)  
Tony Hayes, 703-777-0187, [Tony.Hayes@loudoun.gov](mailto:Tony.Hayes@loudoun.gov)

**Loudoun Soil and Water Conservation District** [www.loudoun.vaswcd.org](http://www.loudoun.vaswcd.org)  
30 Catoctin Circle, S.E, Suite H, Leesburg, VA 20175  
Suzanne Brown, Public Information/Educ. Spec.,  
703-771-8395 [suzie.brown@va.nacdnet.net](mailto:suzie.brown@va.nacdnet.net)

**Loudoun Water (previously LCSA)** [www.loudounwater.org](http://www.loudounwater.org)  
44865 Loudoun Water Way, Ashburn, VA 20147  
Liza Young, Community Relations Specialist,  
571-291-7847, [lyoung@loudounwater.org](mailto:lyoung@loudounwater.org)

**Loudoun Watershed Watch** [www.loudounwatershedwatch.org](http://www.loudounwatershedwatch.org)  
David Ward, [info@loudounwatershedwatch.org](mailto:info@loudounwatershedwatch.org)

**Loudoun Wildlife Conservancy** [www.loudounwildlife.org](http://www.loudounwildlife.org)  
P.O. Box 2088, Purcellville, VA 20134-2088  
Joe Coleman, President, 540-338-8426,  
[jcoleman@loudounwildlife.org](mailto:jcoleman@loudounwildlife.org)

**Luck Stone Corporation** [www.luckstone.com](http://www.luckstone.com)  
751 Miller Drive, Suite C-2, Leesburg, VA 20175  
703-554-6176

**Lucketts Elementary Potomac River Rangers** [cmsweb2.loudoun.k12.va.us/lucketts/](http://cmsweb2.loudoun.k12.va.us/lucketts/)  
Lucketts Elementary School, (under PTA)  
14550 James Monroe Highway Leesburg, VA 20176  
Lauren Lang, 571-242-3950, [outdoorLangs@gmail.com](mailto:outdoorLangs@gmail.com)

**Newton Marasco Foundation** [www.newtonmarascofoundation.org](http://www.newtonmarascofoundation.org)  
1760 Old Meadow Road, McLean, VA 22102  
Field Offices: Loudoun County, VA (P.O. Box 2129, Purcellville, Virginia 20134)  
and Talbot County, MD  
Amy Marasco Newton, President, 703-748-7575; fax 703-448-5752, [anewton@NewtonMarascoFoundation.org](mailto:anewton@NewtonMarascoFoundation.org)  
Contact: Amie Ware, 540-668-7738, [aware@NewtonMarascoFoundation.org](mailto:aware@NewtonMarascoFoundation.org)

**Northern Virginia Community College** [www.nvcc.edu](http://www.nvcc.edu)  
Loudoun Campus, 1000 Harry Byrd Hwy, Sterling, VA 20164  
Joyce Samuels, Dean, Natural and Applied Sciences,  
703-450-2575, [jsamuels@nvcc.edu](mailto:jsamuels@nvcc.edu)  
Fred Terranova, 703-723-8556, [fterranova@nvcc.edu](mailto:fterranova@nvcc.edu)

**Piedmont Environmental Council (PEC)** [www.pecva.org](http://www.pecva.org)  
45 Horner St., Warrenton, VA 20186  
Gem Bingol (Loudoun), 703-431-6941, [gbingol@pecva.org](mailto:gbingol@pecva.org)

**Project Learning Tree** [www.plt.org](http://www.plt.org)  
Project Learning Tree National Office  
1111 19th Street, NW Suite 780 Washington, DC 20036  
Jackie Stallard, 202-463-2475, [jstallard@plt.org](mailto:jstallard@plt.org)

**River Stories** [www.bayhistory.net](http://www.bayhistory.net)  
20919 Watermill Road, Purcellville, VA 20132-5015  
Mr. Hayden Mathews, Owner/Operator, 540-338-8426  
[riverstories@comcast.net](mailto:riverstories@comcast.net)

**Town of Leesburg - Department of Engineering and Public Works** [www.leesburgva.gov](http://www.leesburgva.gov)  
Nathaniel Ogedegbe, Stormwater Management Engineer, 703-737-3269,  
[nogedegbe@leesburgva.gov](mailto:nogedegbe@leesburgva.gov)

**Town of Leesburg - Department of Utilities** [www.leesburgva.gov](http://www.leesburgva.gov)  
Aref Etemadi, Deputy Director Dept. of Utilities, 703-771-2750,  
[aetemadi@leesburgva.gov](mailto:aetemadi@leesburgva.gov)

**Town of Purcellville**  
130 E. Main Street, Purcellville, VA 20132  
540-751-2313, [avanegas@purcellvilleva.gov](mailto:avanegas@purcellvilleva.gov)

**Virginia Cooperative Extension - Loudoun County Unit** [www.ext.vt.edu](http://www.ext.vt.edu)  
30 B Catoctin circle S.E., Leesburg, Virginia 20175  
Corey Childs, 703-777-0373, [cchilds@vt.edu](mailto:cchilds@vt.edu)

**VA Dept. of Game and Inland Fisheries** [www.dgif.virginia.gov](http://www.dgif.virginia.gov)  
4010 W. Broad St. Richmond, VA 23230  
Carol A. Heiser, Habitat Ed. Coordinator,  
804-367-6989, [Carol.Heiser@dgif.virginia.gov](mailto:Carol.Heiser@dgif.virginia.gov)  
Suzie Gilley, Wildlife Ed. Coordinator,  
804-367-0188, [Suzie.Gilley@dgif.virginia.gov](mailto:Suzie.Gilley@dgif.virginia.gov)

**Virginia Master Naturalist - Banshee Reeks Chapter**  
P.O. Box 1102, Leesburg, VA 20177 [www.virginiamasternaturalist.org/chapters.html](http://www.virginiamasternaturalist.org/chapters.html)

**Virginia Naturally** [www.vanaturally.com](http://www.vanaturally.com)  
VA Office of Environmental Education-DEQ  
P.O. Box 1105, Richmond VA 23218  
Nancy Drumheller, VA Naturally Coordinator,  
804-698-4550, [nwdrumheller@deq.virginia.gov](mailto:nwdrumheller@deq.virginia.gov)

**Virginia Resource-Use Education Council**

P O Box 11104, Richmond, Virginia 23230-1104  
Suzie Gilley, 804-367-0188, [Suzie.gilley@dgif.virginia.gov](mailto:Suzie.gilley@dgif.virginia.gov)

[www.vanaturally.com/vrucec.html](http://www.vanaturally.com/vrucec.html)

**Waterford Foundation, Inc.**

40183 Main Street, PO Box 142, Waterford VA 20197  
Nancy Doane, 540-882-3018, [ndoane@waterfordva.org](mailto:ndoane@waterfordva.org)

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

**Wildlife Ambassadors**

PO Box 22, Paeonian Springs, VA 20129  
Becky Shore, 571-252-0036, [Becky@wildlifeambassadors.org](mailto:Becky@wildlifeambassadors.org)

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