

2012

# Fairfax County Restoration Project

*A Public-Private Partnership*



*Photo by Laura Beaty and Marianne Mooney, Virginia Native Plant Society*

Summary of Activities

January 1, 2012 – December 31, 2012

## FCRP Mission

The Fairfax County Restoration Project (FCRP) will strengthen the relationship between people and nature through community action. FCRP will **connect, create, and promote efforts** to restore ecosystem functions in Fairfax County through collaboration with public, private, and volunteer organizations.

## Background

With the help and guidance of the Fairfax County Office of Public/Private Partnerships, The Fairfax County Restoration Project (FCRP) began in April 2008. Although the FCRP was formed in response to deforestation along the Capital Beltway/495 Express Lanes project, it quickly widened its scope to environmental issues throughout Fairfax County. As a core group of community organizations, businesses and government staff coalesced, it became evident that another environmental organization that would compete for funding and volunteer time was not needed. What was and is needed is a focal point for a community of practice where organizations and individuals interested in environmental restoration in Fairfax County can meet, share information and take collaborative action. FCRP was chartered to help foster a collaborative approach to environmental restoration in Fairfax County.

In keeping with its broader perspective, FCRP's first step was to meet with Dominion Virginia Power in the spring of 2009 to discuss easement plantings. FCRP sought to expand the use of native shrubs and eliminate non-native shrubs from the approved plant list for transmission line easements. Although we didn't get everything we wanted, FCRP did get Dominion to add a few more native shrubs and eliminate non-native invasive species from the list of approved plants.

In the summer 2009 FCRP also helped homeowners engage with VDOT and potential landscapers to discuss replanting the 495 Express Lanes corridors, resulting in a greater emphasis on replanting and the use of native plants. That fall, FCRP held the first of a conference series called Restoring Lands/Restoring Waters. This conference was a first step in an on-going process of educating Fairfax County landowners, particularly those in the 495 Express Lanes corridor, about the use and benefits of native plants in the home landscape; and about the human, written and electronic resources available to help develop their own native plant gardens.

FCRP used a monetary grant from Transurban and in-kind grant from Eze Solutions to develop a website, [www.fcrpp3.org](http://www.fcrpp3.org), which helps FCRP partners connect with each other and supports FCRP sponsored programs like ReForest Fairfax.

2010 began with a new Leadership Team and greater structure to FCRP. A community garden project at George Mason University, which FCRP helped facilitate, served as a formal public launch for the Fairfax County Restoration Project. The garden was funded in part by a Transurban grant and teaches students about organic gardening while providing fresh produce to the community through Food for Others. Since then FCRP has continued to engage the community through projects, outreach, education and providing resources to improve the environment and community.

## 2012 Activities

### **New Initiatives:**

**PSA campaign** – In 2011 FCRP began considering a media campaign to raise awareness of the relationship between runoff and pollution. A primary focus of the campaign was to be how replacing turf with trees and other plants could reduce runoff and improve water quality. We became aware that The Chesapeake Club had already developed a similar campaign called [www.plantmoreplants.com](http://www.plantmoreplants.com), which we felt was very well done and extremely effective. Working with the Club and Chairman Bulova's office, FCRP was able to bring the campaign to Fairfax County. Beginning in Fall 2012, Cox Communications has placed the ads in their normal PSA schedule. FCRP is now streaming the video clips through its website to further promote the message. Supporting materials developed by The Chesapeake Club have been distributed at functions and are available to any of our partner organizations, and banners can be seen at retail & landscaping outlets. Ad buys are being done collectively throughout the state to further the message.

**Reforest Fairfax:** Originally forecast for Spring 2011 Reforest Fairfax was finally launched on October 13<sup>th</sup>, 2011. Reforest Fairfax is a tree-gifting program designed to help replenish the tree canopy and to help the County achieve its tree canopy goals. For each \$35 gift purchased five (5) seedlings are planted by Fairfax ReLeaf during a spring or fall planting season. An on-line locator is available so once the trees are planted the location of the gifts can be identified. There is also an optional on-line registry for supporters of the program. The program can be accessed at <http://www.fcrrp3.org/reforestfairfax/>.

FCRP developed partnerships with Xpedex, an International Paper Company, McCabe's Printing Group, the Northern Virginia Soil & Water Conservation District, Eze Solutions and Fairfax ReLeaf in order to create the Reforest Fairfax Program. Once again, Transurban provided a grant to support the program's initial development. Merchandising items to further support the program are currently being developed.

In 2012 the total reached 49 gifts purchased and 245 trees planted.

**Dirt! The Movie** awakens viewers to the importance of our soil resources. By exploring the role of soil along with the sun and water in driving the entire Earth eco-system, this movie imbues viewer with the need to protect not only the plants and animals we see around us, but also the need protect the microscopic flora and fauna in the soil that supports all life on Earth. FCRP partner, the Northern Virginia Soil and Water Conservation District (NVSWCD) has purchased the educational version of this movie with an unlimited viewing license. It is available to all of the FCRP family. The package includes a 40 minute classroom version so schools, local colleges and universities may also utilize this resource. It is available to any of our Partner organizations for their viewing. Get Dirtified!

**Stormwater Ponds along 495 Express Lanes.** FCRP facilitated discussion among Virginia Megaproject partners, Fluor-Transurban and VDOT, Supervisor Foust and Fairfax County staff to develop more environmentally comprehensive strategies for some of the stormwater ponds being constructed as part of the 495 Express Lanes. Discussions focused on the grading design within the ponds and a mixture of compost and seed that will create habitat for native species. Agreement that five of the twenty-six planned ponds will be upgraded with the recommended compost and seed mix while the remaining nineteen ponds will receive only the seed mix as far as the supply lasts. At this writing, compost sightings have been reported and the process of the upgrades has begun.

**Volunteer Event.** FCRP partner, Lands and Waters hosted a large volunteer event with Accenture, a global management consulting, technology services and outsourcing company on Veterans Day. Over 50

Accenture volunteers participated in the event organized by Greater DC Cares. Some worked at Daniels Run Elementary, creating a wetland bog, mulching paths, and building a fence around the vernal pool area. Others worked at Lanier Middle School, removing large amounts of invasive plants, including English ivy, periwinkle, and honeysuckle.

This was City of Fairfax Parks and Recreation's first large-scale invasive removal, and they provided excellent support in the form of staff, tools, and resources. Philip Latasa of FCRP partner Friends of Accotink Creek led the honeysuckle removal team, and provided expert guidance on invasive removal. The Resource Management Division of the Fairfax County Park Authority (another FCRP partner) lent 4 weed wrenches, which made all the difference in getting the honeysuckle out. Later, Lanier students from the afterschool eco-club joined Accenture volunteers in pulling out invasive plants; and then led a tour of the courtyard, showing off their ongoing restoration work.

## **2012 Awards and Recognition**

Last year the Fairfax County Environmental Quality Advisory Council recognized the Fairfax County Restoration Projects with an Environmental Excellence Award. This year Ron Tuttle, a member of the FCRP Leadership Team and the FCRP representative from the Fairfax County Department of Public Works and Environmental Services, was recognized with the Environmental Excellence Award for a County Employee. Ron was recognized for his promotion of an implementation of Low Impact Development and innovative stormwater management practices as well as his work with the FCRP. Congratulations, Ron! The full text of his award can be found in the appendices.

## **On-going Initiatives**

**495 HOTLANES** - In 2012 the HOTLANES project, the Original impetus for the FCRP, was renamed 495 Express Lanes. As construction draws to a close, landscape planning for the project has begun in earnest. A landscaping plan was presented to the public and the FCRP Leadership Team for comments. FCRP Leadership Team found the conceptual plan to be good, but had some issues with the details. In particular we stressed the use of native species of trees, shrubs, vines, wildflowers and grasses. FCRP also pointed out lost opportunities to use native plant seed mixes for stabilization instead of the usual seed mix. The full text of our comments can be found in the appendix.

**Chesterbrook Greening Project** - Begun in 2010, this project is a conversion of turf to forest at the Falls Church Pumping Station. While volunteer recruitment has been challenging at times, this project is proceeding well. This Fall FCRP partners Alan Ford of the Virginia Native Plant Society, and Kris Unger and Jeanette Stewart of Lands and Waters met with City of Falls Church officials to discuss the project and plan the next steps. A regular schedule of volunteer workdays led by Alan Ford has been established and this past year six workdays were held with about 50 total participants. With support from the City of Falls Church, volunteers maintain trails, weed, and tend the planted trees. FCRP partners are developing plans for additional plantings and ongoing maintenance in 2013.

**GMU Garden** – This first formal FCRP project is administered by the GMU Office of Sustainability, and was funded in 2010 by Transurban. Over the years the garden has produced hundreds of pounds of vegetables that have been used by Food for Others in Fairfax. The garden has expanded and the project now involves a farmers' market and courses in sustainable gardening. The garden has also become a focal point for involvement of the George Mason student body with the surrounding community.

**Tree Coupon Program** – This partnership between FCRP and Craven's Nursery and Pottery allows homeowners to download a coupon and bring it to [Cravens](http://Cravens) to purchase native trees. Native tree fact sheets can be found on the FCRP website at [www.fcrpp3.org](http://www.fcrpp3.org). Since the spring of 2010 many

homeowners have taken advantage of this program to enhance their property value and help the environment by planting native trees in their yards.

**Unitarian Universalist Congregation of Fairfax in Oakton, VA** - FCRP partners Asad Rouhi and Dan Schwartz of the Northern Virginia Soil and Water Conservation District and Ron Tuttle of Fairfax County Public Works have worked extensively with members of the UUCF community to plan and design a retrofit of the parking lot on church property that would eliminate most, if not all, of the runoff from the average one year storm. This is accomplished by terracing the lot and incorporating Fairfax County standard BMP facilities, including a bio-swale and infiltration trench. The existing parking lot is over an acre in size, compacted impervious gravel, and steeply sloping.

The congregation is committed to implementing the plan and is awaiting review and approval from Fairfax County. Pending approval from the county, bids should go out and construction should begin in 2013. Significant work on removing the extensive invasive plants around the perimeter is part of the project and will change the appearance from Hunter Mill Road quite dramatically. Care of Trees/Davey has been enlisted for help with the larger items but there will be significant volunteer efforts lead by several Fairfax Master Naturalists and Master Gardeners from the congregation.

**Raintree HOA:** FCRP and its partners assisted Raintree HOA, which is located adjacent to the 495/Gallows Road interchange, with securing grant funding from Transurban and the Fairfax County Neighborhood Enhancement Program. The HOA suffered damage during the 495 Expresslanes project: loss of a tree buffer; staging of construction vehicles and equipment on HOA property; and use of HOA roads for U-turns during traffic flow interruptions. FCRP helped Raintree HOA reach out to Delegate Watts' office for help in dealing with this damage. Delegate Watts has secured barriers to force vehicles to slow down to make the turn into the complex. She is working with the Police Department to determine why trespassing laws are inadequate.

In addition to provide support for grant writing and connection to local elected officials, FCRP partners have provided technical assistance to formulate and execute plans to mitigate the damage suffered during the 495 Express Lanes project. The NVSWCD has offered advice on dealing stormwater and soil compaction issues. The Audubon Society of Northern Virginia and the Virginia Native Plant Society have consulted on plant selection and planting plans.

Another FCRP partner, Lands and Waters is now active with Raintree HOA, providing consulting and volunteer management services. Lands and Waters has coordinated several volunteer workdays at Raintree in partnership with DC Cares volunteers and Raintree HOA volunteers. Several areas have been planted already and Lands and Waters, along with Raintree's Maureen Goodfellow, worked with community volunteers to protect and maintain the planted areas. Overly aggressive maintenance by the landscaping contractor has damaged some of the plants. Lands and Waters is planning to return for additional plantings in Spring 2013.

The Raintree project is a great example of what FCRP is doing in Fairfax County. We found a need and put together a group of organizations that used their individual strengths and expertise to develop and implement a plan to address the need.

**Upcoming Projects currently in development:**

**Mantua Stormwater Project** – FCRP is working with the Mantua HOA, friends of Accotink Creek and the county to improve stormwater management in Mantua, a large sub-division in the headwaters of the Accotink Creek.

**Ruckstuhl Garden Project** – FCRP is working with neighborhood residents, the Fairfax County Park Authority, Whole Foods, and the Virginia Department of Transportation to improve habitat and install a community garden on the Ruckstuhl property located between 495, I-66 and Route 7.

**Bailey's Crossroads Community Garden Project** – Bailey's Crossroads is a low income community. Community gardens have been shown to build community cohesion and provide fresh food to low income people who may not otherwise be able to afford it.

**Native Plant promotion efforts** – this is an initiative of the Northern Virginia Regional Commission to promote the visibility of native plants at local nurseries. A number of FCRP partners and members have been involved with the project, which has been moribund due to staff turnover. New staff has been assigned and the program is being revived in 2013.

**Green Street concept development** – FCRP members have been discussing concepts to enhance the entrance to Annandale, a community slated for redevelopment by Fairfax County. FCRP Chair, Amy Gould has been recruiting businesses in the area to join the Green Street project. This project may not only enhance the Annandale community, but also help FCRP in its efforts to recruit business membership.

Membership Report

Since the FCRP Charter was completed we have 31 Individual Members and 19 Organizational Memberships

The area that continues to be challenging is business membership and more focus needs to be given to this issue.

**Organization members:**



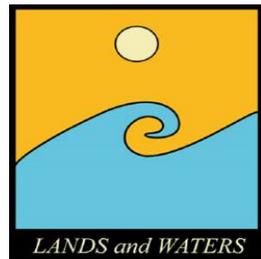
[The Fairfax County Office of Public Private Partnerships](#)



[Transurban](#)



[Eze Solutions Inc.](#)



[Lands and Waters Inc.](#)



[Clean Fairfax Council](#)



[Virginia Native Plant Society](#)



[Friends of Accotink Creek](#)



[Audubon Society of Northern Virginia](#)



[George Mason University, Office of Sustainability](#)



[Fairfax County Department of Planning and Zoning](#)



[www.dbanzondesign.com](http://www.dbanzondesign.com) [www.stophthinkgreen.com](http://www.stophthinkgreen.com)

***NORTHROP GRUMMAN***



Northrop Grumman Corporation

<http://www.northropgrumman.com/>



Rebuild Recycled Building Network

<http://www.rebuildwarehouse.org>



Deconstruction Services, LLC.

<http://www.deconstructionservices.com/>



FreeState Farms

<http://freestatefarmsva.com/>



Earthshare.

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



Virginia Master Naturalist – Fairfax Chapter

<http://www.virginiamasternaturalist.org/fairfax.html>



Edgar Allan Poe Middle School

[www.fcps.edu](http://www.fcps.edu)



Fairfax County Park Authority

<http://www.fairfaxcounty.gov/parks/resources/resources-nrp.htm>



Northern Virginia Conservation Trust

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



NativeScapes Horticultural Consulting, LLC

<http://www.http://www.nativescapes.net/>

**Individual members:**

Diane Artemis  
Dorothy Banzon  
Brittany Bennett  
Judi Booker  
Diane Blust  
Trish Butler  
Karen DuVal  
Stacey Evers  
Kamol Farid  
Alan M. Ford  
Suzanne Foster  
Amy Gould  
Sandhe Hrushikesh  
Kashka Kubzdela  
Terry Liercke  
Caitlin Lundquist

Jim McGlone  
Pat McMullan  
Jamie Minnaert-Grote  
Mark Priest  
Marie Reinsdorf  
Juan Revollo  
Kristin Rule  
Daniel Schwartz  
Kim Scudera  
Jayashree Srinivasan  
Eva Stern  
Emily Swenson  
Carol Turner  
Elizabeth Walsh

## APPENDIX A – FCRP Comments on Phase I Landscaping Plans for 495 ExpressLanes

Thank you for the opportunity to participate and respond to the recommendations set forth at our previous meeting. Native plants are critical to the reforestation goals of our community and our organization, and in this response our primary desire is to strengthen the species list and clarify the selections so that all the plant material meets our common goals. Lack of species names makes it difficult to evaluate the list as proposed. We feel a clear statement of purpose for these plantings will define and support species selections. We recommend that:

- The purpose of the plantings is to provide a variety of common native plant species to restore habitat, ecosystem functions and aesthetic value to the Route 495 corridor in areas disturbed by the Express Lanes project.

Our opinion is the general location and extent of the proposed tree plantings is commendable. VDOT staff has made a good effort to plant large woody species where possible. We feel the tree species list should be modified as detailed below. We have provided brief explanations in support of our recommendations. We respect that some species may have been selected for their ability to succeed in the difficult growing conditions present at many locations, but feel strongly that there are better suited, locally native species which can accomplish the same goals.

The shrub/grass list needs to be completely revised to better reflect the common native plant species. The lack of species names can lead to confusion and the number of non-native plants is of particular concern. The planting palette should adhere to the purpose statement for the Route 495 planting project as stated above.

We are particularly concerned with the continued lost opportunities for installing native grass seed in all possible areas of the project. FCRP has asked for several years to include common native grass seed in the restoration seeding mixes. The native warm season grasses are superior to the largely non-native seed mix that has been used on the project. These native grasses will ultimately provide greater slope stability due to much deeper root systems; will aerate and build soils so that a significant percentage of rain falling on those slope areas will be infiltrated and captured within the soils reducing run-off and improving soil moisture conditions; and this improved vegetative condition will provide improved habitat as well as aesthetic benefits within the corridor.

To date this has not occurred, and most of the disturbed soils within the project area have been stabilized. The proposed grasses within this project are relegated primarily to the shrub planting areas and will be installed as plugs or potted plants. This approach can provide benefits over time, but is more appropriate to a landscaping project than a restoration effort. We recommend that efforts be made by VDOT to install the native grass seed mix as recommended by the FCRP wherever possible on soils that have yet to be stabilized, use this mix on areas that are disturbed in the future and/or need to be re-stabilized due to failure of previous efforts.

We are also eager to see the issue of invasive non-native species be addressed in the contract for planting and that at least for one year monitoring and treatment be included.

Our following recommendations may overlap with the plants on the proposed list but we want to be clear and complete in our recommendations. We have provided species names to ensure

the selections are native and appropriate for the difficult growing conditions along the 495 Express Lanes.

TREES (Whips):

Remove Saw-tooth oak – not native to North America  
Remove Maples – Red Maple is very common and will be seeded naturally; Sugar Maple is outside of its native range, and will likely perform poorly given roadside conditions  
Remove Arborvitae – Not locally native  
Remove Tulip Tree – very common and will seed naturally  
Remove Nellie Stevens Holly - is a hybrid of non-native species

Clarify American Holly – any cultivar of *Ilex opaca* is acceptable

Suggested species to add:

*Celtis occidentalis* – Common Hackberry  
*Diospyros virginiana* – Common Persimmon  
*Pinus echinata* – short leaf pine  
*Quercus prinus* - Chestnut oak  
*Quercus phellos* - Willow oak  
*Quercus stellata* - Post oak  
*Quercus palustris* - Pin oak  
*Taxodium distichum* - bald cypress

SHRUBS (Pots): The proposed shrub/grass mix is lacking scientific names and is hard to evaluate from our perspective. A few species on this list are certainly appropriate given clarification:

*Clethra alnifolia* – Summersweet  
*Cornus amomum* or *C. racemosa* - Shrub dogwood – Grey dogwood or silky dogwood are preferable to red twig dogwood *C. sericea* which is not locally native  
*Ilex verticillata* - Winterberry holly  
*Morella cerifera* – Wax Myrtle  
*Rosa virginiana* or *R. carolina* – Virginia Rose  
*Viburnum dentatum* - Arrowwood viburnum

We strongly recommend adding the following species to the list as replacements as they are strong hardy species:

*Amorpha fruticosa* – indigo bush – does extremely well in poor, dry sandy soils, resistant to fumes, drought and saline conditions.  
*Corylus americana* – common hazelnut  
*Rhus copallinum* - Native winged sumac  
*Rhus glabra* – Native Smooth or Shiny sumac

The following grasses are all appropriate for inclusion in the shrub planting list as plugs:

*Andropogon virginicus* – Broomsedge  
*Dichanthelium clandestinum* – Deertongue  
*Elymus virginicus* – Virginia wild rye  
*Schizachyrium scoparium* – Little bluestem

Sorghastrum nutans – Indian grass  
Tridans flavus – Purpletop

Vines:

One concern raised in our discussions with the public, including property owners along the right of way, is the desire to mitigate the unfortunate look of the sound barriers. This can be accomplished by planting native vines at the foot of the soundwall and encouraging them to climb.

Virginia Creeper, *Parthenocissus quinquefolia* is an ideal candidate for climbing walls. This native is hardy, a strong climber, and will provide the scaffolding to permit the other species on this list a chance to climb the walls.

Other species to consider adding for variety, visual interest and restoration advantages include:

Campsis radicans – trumpet vine  
Lonicera sempervirens - Trumpet honeysuckle  
Passiflora incarnata – Passionflower  
Vitis aestivalis – summer grape  
Vitis labrusca – fox grape  
Vitis vulpina – frost grape

Finally, we want to restate our concern with the grass seed mix for stabilization. We strongly urge the inclusion of locally common native warm season grass species in the revised seed mix. Native warm season grasses have been shown, through studies conducted by USDA-NRCS and others, to be superior at stabilizing slopes due to deep and thick root systems, are extremely drought tolerant and provide habitat for native species. A seeding rate of 15lbs/acre is recommended.

These recommended species should include:

Andropogon virginicus – Broomsedge  
Dichanthelium clandestinum – Deertongue  
Elymus virginicus – Virginia wild rye  
Schizachyrium scoparium – Little bluestem  
Sorghastrum nutans – Indian grass  
Tridans flavus – Purpletop

We also propose that any stormwater management pond not yet completed be planted with DPWES preferred seed mix.

Respectfully submitted by the Fairfax County Restoration Project

## Appendix B: Ron Tuttle's Environmental Excellence Award

Presented by the Environmental Quality Advisory Council, FCRP Leadership Team member Ron Tuttle was awarded the Environmental Excellence Award for 2012 on the County Employee category for the following efforts:

"Ron Tuttle joined the Fairfax County Stormwater Planning Division in 2003 as a landscape architect III. Since then, Ron has provided his expertise in environmentally sensitive designs in stormwater management improvement projects. He continues to conduct research and lead the implementation of other Low Impact Development (LID) techniques that may be included in the PFM in future years. Once these techniques are included in the PFM, they will have a positive impact on water quality in the county and on the Chesapeake Bay. As a member of numerous working groups, Ron has demonstrated his unyielding dedication to improving the environment in Fairfax County. He has demonstrated his leadership skills while working with the tree action committee that formulated technical content and recommendations leading to the recently adopted Tree Action Plan. He consistently recommends innovative approaches in the way environmental restoration projects are conceived and implemented. Ron is increasingly instrumental in projects designed for and installed at county facilities, and he continues to provide collaborative environmental design ideas for planned projects that include multiple agencies and stakeholders.

Ron has played a significant role in the outcome of numerous projects, including:

- Low Impact Development (LID) techniques now included in the Public Facilities Manual (PFM) (2007): Ron led the effort to adopt Low Impact Development (LID) techniques and innovative Best Management Practices (BMPs) in Fairfax County and these techniques are now included in the county's Public Facilities Manual (PFM)
- Laurel Hill Stormwater Management Plan (2006 – present): Ron assisted with the creation of conceptual designs and he guides the implementation of LIDs for several development tracks within Laurel Hill and for the Lorton Road widening project
- I-495 HOT Lanes (2008 - present): Ron succeeded in obtaining the acceptance of modifications to the original design for several stormwater management facilities proposed along the HOT Lanes corridor to include enhanced water quality features and the addition of natural vegetation inside and around the stormwater ponds\*
- Providence Fire Station 30 (2005): features rain gardens, porous pavers, a green roof and an underground stormwater storage facility. Ron led this project which provides continuous water quality monitoring and has won several awards, including recognition from the United States Environmental Protection Agency (EPA)
- Regional Pond R-17 (2005): Ron played a significant role in this design which includes innovative wetlands and a sediment forebay as a landscaped amenity feature
- Herrity Building Green Roof (2007): this is another award winning demonstration project in which Ron played a leadership role. The green roof features continuous water quality monitoring that was incorporated into the design. The monitoring assesses the long-term performance of green roofs in the county
- Cub Run Recreation Center (2007): Ron was instrumental in this retrofit project that features a bioretention basin, vegetated bioretention swales and an environmental monitoring station that utilizes sheet flow samplers and lysimeter (transpiration monitor) to measure the performance of the system and assess water quality
- Falls Hill (2008): Ron lead this residential stormwater retrofit project that features bioretention cells, an infiltration system, landscape terracing with compost blankets, bioswales and pervious pavers on an existing single family residential lot
- Government Center (2011): Ron was an influential leader in the implementation of stormwater projects that include wetland retrofits, stream restoration and detention pond improvements which are on-going in April 2012.
- West Ox Bus Operations Center (2008): Ron was a leader in implementing this new Fairfax County facility just off West Ox Road. A 1000 square foot green roof was installed on the administration building
- Partnerships with Fairfax County Public Schools and Fairfax County Park Authority Capital Improvement Projects: Ron has consistently coordinated with these agencies to incorporate LIDs and modifications to site layouts for enhanced water quality treatment

\*Ron Tuttle has been a key Fairfax County staff member who has worked on local stream bed restoration projects and in assisting homeowners with the challenges of creating landscape designs that were beneficial to their individual properties and to the health of surrounding streams. On a much bigger scale, Ron was a leader in negotiations with VDOT to improve the drainage and filtration functions of the detention ponds and to create habitat opportunities in these same stormwater ponds that were being constructed as part of the massive Express/ HOT Lanes infrastructure project. He successfully advocated that the ponds could serve as a valuable addition for the reforestation of the 28 miles of Beltway project and was instrumental in securing additional funding to that end.

Additionally, Ron has provided endless hours of support for the Fairfax County Restoration Project, both in its formation and as a Leadership Team Member. He is always looking for ways to Partner or help others with their projects. Ron has been key to the FCRP's success.

Fairfax County is fortunate to have an employee as dedicated to his profession as Ron Tuttle."