

Inside This Issue

- 1 Ohio Expands Emerald Ash Borer Quarantine Area
- 2 News from the USDA Forest Service
- 3 News from the Mid-Atlantic States
- 9 Mid-Atlantic Center for Urban and Community Forestry
- 11 Tech Transfer Resources
- 12 Partner Highlights
- 13 Research Highlights
- 14 Calendar of Events



Donna Murphy
 Anne Buckelew Cumming
 IMA Staff
 USDA Forest Service
 Northeastern Area
 State & Private Forestry
 Morgantown, WV 26505



Urban Projects

From the Morgantown Field Office, USDA Forest Service
Serving the Mid-Atlantic States

OHIO EXPANDS EMERALD ASH BORER QUARANTINE AREA

In August of 2005, the Ohio Department of Agriculture announced an expansion of the quarantine area in northwestern Ohio to prevent the further spread of emerald ash borer (EAB), an ash tree-killing insect from Asia.

It is illegal for citizens to move ash trees, branches, wood chips, bark, and nonconiferous firewood out of the newly expanded area.

“Our quarantine expansion reflects the detection tree results that are beginning to filter in by enlarging areas now known to be infested,” Director Fred L. Dailey said. “We establish quarantines to contain this devastating pest and are asking citizens to do their part, abide by the quarantine, and help protect our ash tree resources.”

Ash tree materials and firewood are prohibited from leaving existing quarantine areas, including Defiance County, Hicksville Township; Hancock County, Allen Township; Wood County and Henry Township. The Ohio quarantines also prohibit the movement of these materials from Michigan into Ohio and from infested Indiana counties (Steuben and LaGrange) into Ohio. Violators face fines up to \$4,000.

Regulated materials can enter any of Ohio’s quarantined areas from nonquarantined areas, but once taken in, they cannot leave.

To date, EAB has been identified in Auglaize, Delaware, Defiance, Franklin, Fulton, Hancock, Henry, Lucas, Ottawa, and Wood Counties. The pest was first discovered in Ohio in 2003. Since then, the department has eradicated the pest from Franklin and Defiance County sites, which continue to be monitored.

Ash trees infested with EAB typically die within 5 years. The pest belongs to a group of metallic wood-boring beetles. Adults are dark green, 1/2 inch long, 1/8 inch wide, and fly only from early May until September. Larvae spend the rest of the year beneath the bark of ash trees and leave D-shaped exit holes in the bark about 1/8 inch wide when they emerge as adults. For an updated quarantine map, go to www.ohioagriculture.gov/eab, or call 1-888-OHIO-EAB.



Adult sized emerald ash borer. Photo by Howard Russell, MSU



NEWS FROM THE USDA FOREST SERVICE

INPUT ON 2007 FARM BILL WANTED

The U.S. Department of Agriculture is seeking public input into the 2007 Farm Bill. Now is the time to make your voices heard on this important topic. Feedback and comments are requested for six questions, most of which are very specific to agriculture. Question #4, however, provides the best opportunity to voice your concerns about urban and community forestry (UCF). Please present your best ideas and make your best case for UCF, and understand that if there is not much input on UCF, it is likely that not much focus or attention will be paid to it. Unless the voices of UCF are heard, no one will know thousands of voices are out there, and we all know they are out there! For more information, go to

http://www.usda.gov/wps/portal/!ut/p/_s.7_0_A/7_0_1UH?navid=FARM_BILL_COMM

TREE CANOPY INTO SIPS WEB SITE CREATED

The “Building the Case for Urban Tree Canopy Cover Inclusion in State Implementation Plans (SIPs)” Web site has documents critical to 1) understanding the link between trees and air quality and 2) navigating the State air quality improvement planning process.

Almost half of all Americans live in areas that do not meet national air quality standards. In these areas, the ambient air contains enough pollutants to affect residents’ health. Exposure to persistent ground-level ozone (smog) and particle pollution has been tied to rising rates of heart disease, lung cancer, and childhood asthma.

The creation and preservation of tree canopy is an innovative strategy being proposed to improve urban air quality and thus help to meet Clean Air Act standards. The Web site provides a resource center for materials concerning the rationale and process of incorporating urban tree planting into SIPs. It also aims to foster the dialogue between policy makers, air quality regulators, foresters, individuals, and organizations interested in air quality improvement and community forestry.

For additional information on this important topic, see www.treescleanair.org/index.htm, a new Web site recently developed by the USDA Forest Service and other partners.

URBAN FOREST HEALTH MONITORING UPDATE

In 1998, USDA Forest Service Chief Michael Dombeck developed a Natural Resource Agenda that emphasized sustainable development of communities. Deputy Chief Phil Janik also released an action strategy for State and Private Forestry that would increase forest health monitoring in urban areas. Although urban forests are a significant resource affecting the vast majority of the population, little is known about the Nation’s urban forests, how this resource is changing, or the factors that might lead to changes in urban forest structure and health.

Pilot studies were developed to test the application of National Forest Health Monitoring (FHM) Program procedures to assess urban forest conditions. The pilots are a cooperative effort involving the USDA Forest Service’s Forest Health Monitoring Program, Urban and Community Forestry, Forest Inventory and Analysis, and the Northeastern and North Central Research Stations, as well as State agencies.

During the 2005 field season, two additional States were added to the pilot studies: Tennessee and Colorado. The last of the 5-year panels was completed in Maryland and the next to the last data panel was collected in Massachusetts.

Data such as these are becoming increasingly valued, especially with the devastating results from Hurricanes Katrina and Rita in the Gulf Coast. Restoration and reconstruction efforts in disaster areas would be aided by quantitative data describing the urban forests and their changes, both natural and catastrophic, over time.

STREET TREE RISK TO EXOTIC BEETLES

The Morgantown Field Office was contacted to be a partner in a study to look at street tree diversity in



the Eastern United States and how that diversity translates into risk for tree loss due to exotic beetles. Dr. Michael Raupp with the University of Maryland and Anne Cumming worked cooperatively on this study and will submit an article to the Journal of Arboriculture in 2006. Discussion in the article will focus on 1) the fact that many exotic beetles will infest trees within a species, genus, and even up to the family level of botanical organization; and 2) the recommendation that urban forest managers should consider an even broader concept of tree diversity when planning and planting in urban areas.

WEST VIRGINIA HOSTS REGIONAL INVASIVE PLANT



Attendees gather around a treated tree-of-heaven at the invasive plant workshop in Shepherdstown, West Virginia.

WORKSHOP

An invasive plants workshop entitled, “Forests Out of Balance: The Impact of Invasive Plant Species,” was held August 22-24 at the National Conservation Training Center in Shepherdstown, West Virginia. The West Virginia Division of Forestry hosted the workshop, which drew over 170 attendees from 12 States. Service, Extension, industry, and consultant foresters mixed with other natural resource managers to learn how to identify and control these exotic species. The workshop was extremely successful and attendees recommended additional workshops to learn how to restore and maintain sites once invasives have been controlled. The presenters’ PowerPoint presentations can be found at http://na.fs.fed.us/fhp/invasive_plants.

10 CITIES REPORT ON URBAN FORESTRY MANAGEMENT AND TECHNOLOGIES

The Morgantown Field Office and the city of Baltimore partnered to conduct a study to investigate how selected cities support their urban forestry programs through staffing and financial support. Personnel from 10 U.S. cities were interviewed and information was collected about staff, contractors, numbers of trees managed and maintained, and use of technology. The final report on this project will be completed in FY 2006.

NEWS FROM THE MID-ATLANTIC STATES

DELAWARE

ENHANCING DELAWARE HIGHWAYS: ROADSIDE VEGETATION CONCEPT AND PLANNING MANUAL RELEASED

The Roadside Vegetation Concept and Planning Manual defines and describes an orderly process for the planning and design of diverse roadside landscapes using a number of unique elements based directly on research results. Site-specific photography is used to illustrate broad concepts

and explicit details. Three elements essential to the process include the Roadway Limitations Checklist, the Climate and Growth Conditions Checklist, and the Cultural and Historical Characteristics Checklist.

The manual defines these approaches using varying degrees of visual appeal, regional conservation economics, and provides a matrix tool for selecting the most appropriate approach for given locations. Other tools include charts to guide appropriate plant selection, installation cost estimates, and maintenance costs.

The enhancing Delaware highways project is a joint venture between DelDot, the Delaware Center for Horticulture, and the University of Delaware. Initial funding to conduct a “roadside ecosystem study” was provided by the USDA Forest Service Urban and Community Forestry National Urban and Community Forestry Advisory Council (NUCFAC) grant program. Based on promising results of this work, DelDOT assumed full funding responsibility and expanded the effort which continues to develop new techniques and strategies already being applied to Delaware roadsides.

DELAWARE FOREST SERVICE HIRES URBAN FORESTER

Kyle Hoyd recently joined the Delaware Forest Service as the Urban Forester. He will provide technical assistance to communities, civic organizations, and residents about the importance of proper management of urban forest resources. A recent graduate of West Virginia University with a Bachelor of Science degree in Forest Resource Management, Kyle worked within the arboriculture and forestry fields during college where he gained valuable training for his future endeavors. Welcome Kyle, we look forward to working with you.

DISTRICT OF COLUMBIA

UFORE DOCUMENTS VALUE OF DISTRICT OF COLUMBIA TREES

Casey Trees recently released key findings for the application of UFORE (Urban Forest Effects) Model to DC trees. The results showed that trees removed 540 tons of air pollution annually at a value of \$2.5 million and the cooling shade provided by trees was worth \$2.6 million. The trees also mitigated climate change by sequestering and storing atmospheric carbon. The sequestration (or removal) of carbon totaled 16,100 tons per year. Overall, DC trees store 523,000 tons of carbon worth \$9,631,000.

The USDA Forest Service has found that large trees 30 inches or more in diameter remove 70 times more pollution per year than healthy trees that

are 3 inches or less in diameter. Only 3 percent of the District’s trees are larger than 30 inches, according to the study. A majority of trees (56 percent) are 6 inches or less in diameter, indicating the need for much more attention to growing large, healthy trees in DC.

The most dramatic finding was the estimate of the replacement value of our urban forest, which was calculated at \$3.6 billion using a formula developed by tree appraisers.

The study was produced by the USDA Forest Service using data collected from 201 research plots in the summer of 2004 by citizen foresters, interns, volunteers, students from the University of Maryland’s Urban Forestry Program, and the National Park Service. The report can be found at: www.caseytrees.org.

DISTRICT OF COLUMBIA AND VANCOUVER ARE IN THE SOCIETY OF MUNICIPAL ARBORISTS EXCHANGE PROGRAM – AN UPDATE

In our last issue, we promised to have an update from Ainsley Caldwell, State Forester for Washington, DC, who was selected to participate in the Society of Municipal Arborists (SMA) International Exchange Program. SMA offers the exchange program for municipal arborists located around the world. Participants spend a week visiting and working with another city’s urban forestry department.

Unfortunately, Ainsley has since resigned his position and we have been unable to get an update. Our apologies to those interested.

MARYLAND

STUDENTS IN MARYLAND PLANT ACORNS

The Lutherville Laboratory (K-5), a magnet school specializing in science, mathematics, and communications in Baltimore County, gathered, floated, and planted approximately 400 acorns on October 14, 2005. This project is conducted annually for the “Pitch In for Progress” day in Baltimore County.



Lutherville Laboratory students plant their gathered acorns in pots.



Third period class students dig a hole.

AT-RISK YOUTH PLANT TREES IN MARYLAND AND DISTRICT OF COLUMBIA

On two occasions this fall, cadets enrolled in Freestate Challenge, a National Guard program for at-risk youth, planted trees obtained through a grant from the Chesapeake Bay Trust at the Havre de Grace National Guard Military Reservation. The youths received instruction on how to properly plant trees from the Maryland DNR Forest Service. Members of Freestate Challenge are high school dropouts from across Maryland and Washington DC enrolled in an in-residence, military-style educational program.



Third period class students fill the hole after planting a tree.

TREES PLANTED BY STUDENTS AT MONTGOMERY BLAIR HIGH SCHOOL

Terry Galloway, Arborist, MD DNR UCF

After learning about the botany of trees and the importance of urban forests, students from Mrs. Backus's Horticulture class at Montgomery Blair High School in Silver Spring, Maryland, planted native trees on their school grounds to create an arboretum. The newly planted trees included red maple, northern red oak, sycamore, tulip poplar, river birch, hornbeam, flowering dogwood, redbud, pin oak, and sugar maple. As the arboretum grows and develops, the area will be used by science and other classes as an educational tool for the school.

NEW JERSEY

80TH ANNUAL MEETING OF THE NEW JERSEY SHADE TREE FEDERATION – INSIGHT ON SUCCESS

Eighty years! New Jersey must be commended! This year proved no different from the many successful meetings of the past. With 390 in attendance the first day of the meeting, it was the annual event of the year for community forestry in New Jersey.

The secret, according to Mike D'Errico, who heads the New Jersey Community Forestry Program, is New Jersey's Community Forestry Act requirements.

In order to maintain good standing to receive community forestry management funds, each of the approved 250 communities must complete 8 hours of continuing education training annually. Although CEU's are available through staff training sessions throughout the year, the annual federation meeting's wide-ranging agenda and opportunity to network (and great food!) as well as core training sessions are a real incentive to attend. This is apparent in the fact that 230 of the 250 approved communities in New Jersey attended the training this year.

Completing the core training and then completing management plans has legitimate value. Because tree programs were never brought under the Tort Claims Act, New Jersey's innovative approach protects communities that maintain approved status from lawsuits related to tree damage liability to person or property resulting from only acts of proven negligence.

Kudos to all the community forestry staff in New Jersey who help out with the annual meeting and to the New Jersey Federation for 80 years of success. To learn more, go to: www.njstf.org.

DEP SETTLES MAJOR NATURAL RESOURCE DAMAGE CLAIM WITH DUPONT

In one of the largest natural resource damage settlements in State history, the Department of Environmental Protection (DEP) announced an innovative agreement with E.I. DuPont de Nemours and Company ("DuPont") to compensate the public for injuries to groundwater at eight hazardous sites in New Jersey. The settlement includes preservation of 1,875 acres of land, the planting of 3,000 trees in urban areas, payment of \$500,000 to the State for water restoration projects, and construction of a boat ramp along the Salem River.

DuPont will contribute \$500,000 toward the acquisition of 350 acres of undeveloped, forested property in Cape May County. The area is under heavy development pressure and protecting this land is critical to maintaining water supplies in Cape May County. Another component of the settlement calls for DuPont to provide \$1.8 million for urban shade tree plantings in the cities and towns of the Arthur Kill and Passaic watersheds. The DEP will

use the remaining \$500,000 to restore wetland habitat or purchase aquifer recharge areas.

NEW JERSEY HOSTS BLS SYMPOSIUM

On Friday, September 16, 50 professionals met at the Environmental Discovery Center at Palmyra Cover Nature Park in Palmyra, New Jersey, for an update and to report findings of bacterial leaf scorch (BLS) research that has been conducted over the last 3 years throughout New Jersey in Riverton Borough, Trenton City, Collingswood Borough, Burlington City, and Hamilton Township.

The study has resulted in the development of BMPs for BLS. BLS, caused by the bacterium *Xyella fastidiosa*, affects the vascular system of a wide range of landscape tree species, causing progressive decline and death of the host. In New Jersey, the disease is threatening existing populations of red and pin oak.

Dr. Bruce Fraedrich, Bartlett Tree Research Laboratories, presented draft findings of treatments at the symposium and the recent New Jersey Federation meeting. Dr. Jim LaShomb of the Rutgers Entomology Department presented his research on BLS vectors. The research and symposium were managed by Pam Tappen Lipse, New Jersey Forest Service. The study is a collaborative effort of the New Jersey DEP Forest Service, Bartlett Tree Research Laboratories, Morgantown Field Office, Mid-Atlantic Center for Urban and Community Forestry, and Forest Health Management programs.

OHIO

OHIO DEPARTMENT OF NATURAL RESOURCES NOW HAS NEW SMOKEY BEAR LICENSE PLATE

Ohioans can proudly display their support of wildfire prevention and education by purchasing the new Smokey Bear specialty license plate, now available at deputy registrars across the State and on the Internet, according to the Ohio Department of Natural Resources (ODNR).

Each Smokey plate sold in Ohio costs \$25 above the price of a standard license plate, with \$15 of

that amount going to the ODNR Division of Forestry for wildfire prevention and education programs. The plate can be ordered at any deputy registrar office or on the Internet at OPLATES.com.



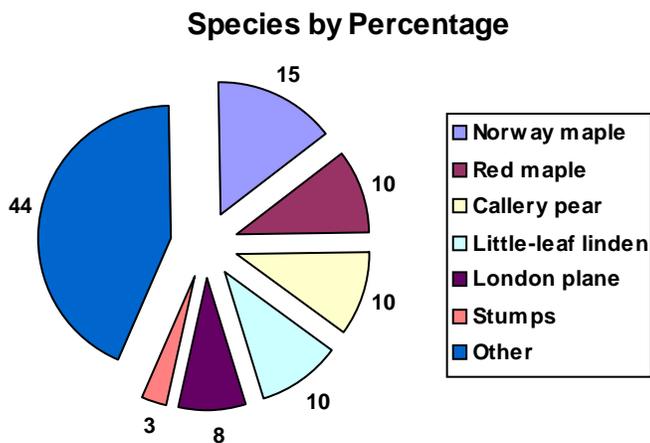
The report encouraged more species diversity. It also handed the city an encouraging fact—the estimated value of the city’s collection of trees, a sort of insurance appraisal, is \$52 million. That’s an asset worth fighting for, said Diana Ames, commission chairwoman, who would like to see the commission plant 600 trees a year. To mitigate the demands on the city, its members have been training neighborhood groups to be Tree Tenders. For more information about tree-tending classes, e-mail Diana Ames at diana.ames@verizon.net.

PENNSYLVANIA

CITY OF PITTSBURGH HAS HIGH HOPES FOR USEFULNESS OF NEW TREE INVENTORY

Adapted from an article by Diana Nelson Jones, Pittsburgh Post-Gazette

With a recently completed tree inventory, the city of Pittsburgh and its Shade Tree Commission now have a plan. The all-volunteer Shade Tree Commission was able to raise enough money to hire the Davey Resource Group to count and assess the health of the city’s street trees. The inventory showed that there are 31,524 trees in the city, most of which are in fair condition at best. City Forester David Jahn, however, was pleased with the results. “The inventory is a great tool for future planning, and we will be proactive. We have 25,000 trees that are viable and need only maintenance to make them long term.” The most urgent work right now is removal of 3,100 high-risk trees, which should be done in the next 3 years Jahn said in a recent interview. To see the full article, go to: <http://www.post-gazette.com/pg/05269/577862.stm>



LIVING MEMORIAL PROJECT

The final touches were finished this summer by the Kiski Conemaugh River Basin Alliance in honor of the heroes lost in Flight 93 and the first responders and community volunteers who are permanent community members impacted by the crash in Pennsylvania on September 11, 2001. Seven sites were selected by community process for the design and installation of 12 Legacy Groves. The groves, designed by Landscape Architect David Camp, consist of six sugar maples of various sizes and ages in a natural formation that offers a quiet place for peaceful reflection. The trees were selected for vivid fall color, native to Somerset County, and connected to the local maple sugar industry.

The theme for the groves is *Respond, Reflect, Renew*. Many partners contributed to the project, including the Windber Coal Heritage Museum, Windber Community Library, Windber Area School District, Central City Community Park, Johnstown Area Heritage Association Festival Park, Somerset County Technology Center, and the Somerset County Volunteer Fireman’s Regional Training Center. Due to its great success, strong partnerships, and historic importance, funds were again provided in FY03 for additional grove locations.

TREEVITALIZE TO PLANT 20,000 TREES IN SOUTHEASTERN PENNSYLVANIA

To help prevent flooding and improve water quality, more than 20,000 trees and shrubs were planted by volunteers with TreeVitalize this fall. TreeVitalize plans to plant more than 1,000 acres of forested

riparian buffers in Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties.

“Trees along streams link land to water, providing shade, temperature control, food for aquatic life, and a filter for stormwater runoff,” Pennsylvania Department of Conservation and Natural Resources (DCNR) Secretary Michael DiBerardinis said. “This also is an opportunity for volunteers to pitch in and support their communities.”



PA DCNR Secretary DiBerardinis at a project on Christian Street in South Philadelphia where neighbors planted 35 street trees.

Older communities where tree cover is below 25 percent will get a boost from TreeVitalize. About 1,200 shade trees will be planted in 20 southeastern Pennsylvania neighborhoods in an effort to restore tree-lined streets and neighborhood parks. An additional 16 neighborhoods have been identified for future plantings.

“Fall is a great time for planting, and we have a great group of volunteers in the older neighborhoods that have been identified who are ready to plant and care for the trees that will help bring their neighborhoods to life,” DiBerardinis said. “Everybody likes trees, but in addition to the good feeling we get from them, they can raise property values, provide shade for cooling, help clean the air, and can help slow the flow of water from land to rivers during periods of flooding.”

Planting more trees is just part of the solution. Better care and maintenance are needed for trees to grow large and live long, healthy lives.

TreeVitalize, in partnership with the Pennsylvania Horticultural Society and Penn State Extension, has expanded the existing Tree Tender program. In addition to Philadelphia, classes are being held in Bucks, Chester, Montgomery, and Delaware Counties. Demand has been much higher than expected. Over 80 people registered for the most recent class held at Ridley Creek State Park.

The DCNR spearheads the TreeVitalize project with many public and private partners. Other partners in the effort include the Pennsylvania Department of Environmental Protection, Philadelphia Eagles, USDA Forest Service, Pennsylvania Horticultural Society, Morris Arboretum, William Penn Foundation, Pennsylvania Landscape and Nursery Association, Fairmount Park Commission, and county and local governments. To find out where trees are being planted or Tree Tender classes are being held, visit www.treevitalize.net.

PHILADELPHIA ADOPTS STORMWATER MANAGEMENT REGULATIONS THAT INCLUDE INCREASING TREE CANOPY COVER

Philadelphia has innovatively revised their approach to stormwater management through adoption of regulations that will be effective as of January 2006. What this means for the developer, engineer, consultant, and owner is a change in both the requirements and the process. This change, however, is long overdue as Philadelphia’s streams continue to be stormwater impaired and city neighborhoods remain subjected to localized flooding. On the positive side, these changes have resulted in a clearly defined process with stormwater requirements that will ultimately lead to improved water quality, stream protection, and reduced flooding. The regulations have incorporated specific criteria such as water quality, channel protection, flood control, and nonstructural site design applicable to both redevelopment and new development.

In response to concerns that the new regulations will hinder development in urban areas, the Philadelphia’s Stormwater Management Guidance Manual is geared exclusively to the urban environment by recognizing site constraints, urban soil properties, and infrastructure conditions, and by

identifying redevelopment separately from new development. For the complete downloadable manual, see the link below. See Section 4.2.3 for maximizing tree canopy over impervious cover.

http://www.phillyriverinfo.org/nav_WP_StormwaterMgmt.aspx

WEST VIRGINIA

EASTERN PANHANDLE TREE BOARD SHARES EXPERIENCES

For the first time in the history of the Eastern Panhandle in West Virginia, five city tree board members participated in a roundtable sharing session. Members from Romney, Moorefield, Petersburg, Charlestown, and Hardy County Parks met to share experiences and brainstorm urban forestry issues. A highlight of the meeting was a presentation by Phil Ross, MAC ISA President, who spoke of the benefits of ISA and hiring certified arborists. Jennifer Brashears, WVDOF Urban Forester, who was instrumental in making the meeting a reality, presented “Our Affair with the Pear,” addressing the pitfalls of planting Callery pear.

West Virginia State Urban and Community Forestry Coordinator Bob Hannah was very pleased that tree

boards in the Eastern Panhandle are beginning to see the benefits gained by sharing and learning from each other. “Tree boards are one of the greatest resources our urban forests have,” he stated. “I would like this effort to build momentum and become commonplace across the State.”

ISA PRESENTS 2005 GOLD LEAF AWARD TO WVDOF SERVICE FORESTER FOR COOL COMMUNITIES WORK

This year the town of Bath, West Virginia, completed its first grant since 1992, thanks to the dedication and work of Herb Peddicord. Herb, WVDOF, Morgan County Service Forester, assisted with Bath’s Cool Community Grant Program. This program, which promotes the planting of trees to reduce energy costs, provided the town with 53 trees to provide shade along Main Street and the downtown business district.

The project not only enhanced the beauty of the town, but also served as a catalyst for the revitalization of the tree board. Bath now hopes to become a Tree City USA city next year. Herb is serving as an advisor to the board and will provide assistance as needed. Herb’s leadership was recognized with an ISA Program development award this year. From all of us at the Forest Service, Congratulations, Herb!

MID-ATLANTIC CENTER FOR URBAN AND COMMUNITY FORESTRY

NATIONAL ARBORETUM OUT-PLANTING INITIATIVE PARTNERS WITH MARYLAND STATE HIGHWAY ADMINISTRATION

This October, working team members for the National Arboretum’s “Utility Adapted Tree Research, Production, and Out-Planting Project” met with Charlie Adams, Chief of Environmental Design, Maryland State Highway Administration (MD SHA), to brief him on the project and investigate possible partnership activities with MD SHA.

A partnership with the Maryland State Highway Administration will strengthen the goal of promoting

appropriate planting selections that do not interfere with the safe operation of electric lines. The greatest partnership contribution by the SHA will be their support in providing new pilot planting sites that meet project criteria and working with the team to have the sites planted with trees selected by the National Arboretum. Data collection on the study sites will be used to promote sound decisions on species selection, increase nursery production of utility adapted species, and in time, play a major role in helping to reduce costs associated with tree management and power outages in cities and towns throughout the country.

DELAWARE RISK ASSESSMENT WORKSHOPS SUCCESSFUL – TRAINING CONTINUES

Tree Risk Assessment training again proved to be very successful this summer. Professionals from 34 different organizations gathered for the 2-day training session at the Delaware Center for Horticulture in Wilmington, Delaware. Vik Krishnamurthy of the Delaware Center for Horticulture (DCH) took the lead in delivering a well-planned, informative, and relaxing training session. Ninety-seven percent of participants surveyed reported that they would attend risk training again and all commented positively on the comfortable facilities and beautiful grounds of the DCH.

The training has not been in vain throughout the Mid-Atlantic. Urban Foresters in Maryland, Pennsylvania, Delaware, and New Jersey have delivered eight training sessions using the resources from the regional training. Currently, two more sessions are planned for 2006 in West Virginia and Maryland.

Additionally, updated presentations from both the Maryland and Delaware workshops are available on the Morgantown Field Office MACUCF Web site. The presentations have all been adapted to the Mid-Atlantic region and include presentations by Mike Galvin, Tod Ericson, Rachel Egolf, Bryan Hall, Kyle Hoyte, Donna Murphy, Martin MacKenzie, Alan Iskra, and Vik Krishnamurthy.



Risk assessment workshop photos by Vik Krishnamurthy, Delaware Center for Horticulture.

LAND DEVELOPMENT BREAKTHROUGHS – BEST PRACTICES CONFERENCE

ASLA, AIA, APA join to present “Land Development Breakthroughs – Best Practices Conference.” Join the country’s leading professionals including developers, landscape architects, engineers, economic development professionals, environmental attorneys, legislators, environmental regulators, and other stakeholders in the land development industry to explore important interdisciplinary issues of our time.

When: December 13-15, 2005

Where: Washington Convention Center

For more info: www.asla.org

TECH TRANSFER RESOURCES

EPA LAUNCHES SITE ON URBAN HEAT ISLANDS

This Web site provides basic information about the heat island effect for individuals and organizations interested in taking action to cool their community. For more information, go to: www.lgean.org/html/whatsnew.cfm?id=784

PROJECT LEARNING TREE UCF WEB SITE

The American Forest Foundation recently completed a project that resulted in a new Web resource that lists, organizes, and provides a bibliography of materials relevant to teachers in urban and community areas. Training was provided to 50 State Coordinators who are in the process of training 2,500 volunteer facilitators who will educate teachers about how to use the new Web site. Web training and support materials have now been incorporated into the Project Learning Tree curriculum used in the organization's network of thousands of workshops. To learn more, see: <http://plt.org/cms/urbanforestry/>

FIREWISE RESOURCES

The Firewise Communities program envisions wildfires occurring without disastrous loss of life, property, and resources. The program provides wildfire/urban interface resources to help protect people, property, and natural resources from wildland fire. For more information, see: www.firewise.org

PART II RELEASED FOR URBAN WATERSHED FORESTRY MANUAL

The Center for Watershed Protection (CWP), in cooperation with the USDA Forest Service, NA S&PF, is pleased to announce that Part II of their new manual is now available online. "[Conserving and Planting Trees at Development Sites](#)" presents specific ways for developers, engineers, or landscape architects to incorporate more trees into a development site. The proposed approach focuses on protecting existing trees, planting trees in stormwater treatment practices, and planting

trees in other pervious areas of the development site. This manual introduces conceptual designs for stormwater treatment practices that utilize trees as part of the design. To download the manual, go to <http://www.cwp.org/forestry/index.htm>

DISTRICT OF COLUMBIA GREENWORKS ONLINE CANOPY STORE

DC Greenworks has opened an online store. Examples of products for sale include TreeGators®, tree dedication plaques, and user friendly guidebooks such as the *Knowing Your Community*, *Showing Your Community Handbook*, and *10 Ways to Love Your Street Tree*. In the coming months, rain barrels, rain barrel accessories, and greenroofing accessories will be added. Purchases support the important work DC Greenworks is doing. Check it out at: <http://www.dcgreenworks.org/>

RESEARCH REPORT ON GREEN INDUSTRY ECONOMICS

The U.S. green industry is one of the fastest growing segments of the Nation's agricultural economy. In spite of the magnitude and recent growth and interest in the green industry, there is surprisingly little information that has been developed at the national level regarding its economic impact. With funding from the USDA Forest Service and others, a study to estimate the economic impacts of the green industry at the national level was conducted. A component of the study evaluated the value and role of woody ornamental trees. To download a copy, go to <http://www.utextension.utk.edu/hbin/greenimpact.html>

LIVE, GROW, THRIVE IN A GREEN PHILADELPHIA

This inspiring, 9-minute multimedia presentation captures the work of Philadelphia Green. It demonstrates that greening is crucial to the vitality of Philadelphia as well as the entire region. For more information, see: www.philadelphiagreen.org

PARTNER HIGHLIGHTS

URBAN TREES=CLEAN AIR HELD IN DISTRICT OF COLUMBIA

Recognizing the valuable environmental functions related to air quality, the Environmental Protection Agency has recently made provisions for urban trees to be included in State Implementation Plans to improve air quality.

This October, the National Tree Trust, Center for Chesapeake Communities, U.S. Forest Service Urban and Community Forestry Program, Washington Metropolitan Air Quality Committee, and the air management agencies of Maryland, Virginia, and the District of Columbia held a meeting in Washington DC to discuss an innovative measure being proposed to improve urban air quality. Discussion centered on what this means for urban and community forestry programs and how the new innovative strategy can possibly change the cities where we live and work. For additional information, see www.treescleanair.org

ACT RECEIVES \$500K FROM HOME DEPOT

The Alliance for Community Trees (ACT) received a \$500,000 grant from The Home Depot Foundation for grants, training opportunities, and the launching of the National NeighborWoods Program™ for community tree planting through the members of the Alliance for Community Trees.

Kelly Caffarelli, executive director of The Home Depot Foundation, stated, “We are excited to partner with ACT on this initiative. Our foundation works with affordable housing and tree planting organizations across the country to promote livable, healthy, and affordable communities. This partnership provides a terrific opportunity to further our goals.” To view the press release or find out more about the Alliance for Community Trees (ACT), see: <http://www.actrees.org/>

BARBARA DEUTSCH, CASEY TREES LANDSCAPE ARCHITECT AWARDED LOEB FELLOWSHIP

Congratulations are in order to Barbara Duetsch, Casey Trees Landscape Architect, who was

recently awarded a prestigious Loeb fellowship. Each year Loeb fellowships are awarded to 10 midcareer practitioners in fields related to the built and natural environment. The fellowship offers a year of independent study with full advantages of the resources at Harvard to enhance both professional skills and leadership capacity. Barbara will continue to work on greening cities and lead for Casey Trees the recently awarded EPA grant for the “Green Build-out Model.”

ANLA LEGISLATIVE CONFERENCE DRAWS RECORD ATTENDANCE

The American Nursery & Landscape Association (ANLA) drew record attendance at its recent Legislative Conference in August. Over 370 attendees traveled to D.C. for grassroots training, briefings on timely and important national issues, and to meet with members of Congress. A unified green industry voice was projected by partners such as the Professional Landcare Network (PLANET), Tree Care Industry Association (TCIA), and the National Christmas Tree Association (NCTA). After political training, attendees visited an unprecedented 75 out of 100 Senate offices and 213 members of the House of Representatives representing 40 States and almost half of the House.

According to Peter Becker, Bartlett Tree Experts (MD) and a member of TCIA, “Being a member of TCIA attending for the first time was very beneficial. The opportunity for TCIA members to represent themselves within the legislative process was well organized. TCIA has some strong work to do to represent itself and in speaking with members that attended, I believe this event enhanced our working relationship with ANLA/ PLANET to support and let our voice be heard.”

ANLA, a Washington, D.C.-based trade association, represents green industry business professionals seeking market leadership through advocacy with our Nation’s government, a community of industry innovators and experts, and unique profitability-focused programming, products, and services.



GARDEN CLUB OF AMERICA’S NEW URBAN FORESTRY FELLOWSHIP

The Garden Club of America (GCA) has recently established a new national fellowship in urban forestry for qualified U.S. students. The first GCA Zone VI Fellowship in Urban Forestry will be awarded in early 2006. With this fellowship, The Garden Club of America seeks to forward its goal of advancing our knowledge of urban forests and increasing the number of scientists in the field of

urban forestry. Applications are reviewed by a selection committee at Virginia Polytechnic Institute and Virginia State University composed of practicing urban forestry scientists. Final selection is endorsed by The Garden Club of America.

For more information and online application forms, visit <http://www.cnr.vt.edu/urbanforestry/scholarships.htm>. The application deadline is January 31.

RESEARCH HIGHLIGHTS

RESEARCH FOCUSES ON SPATIAL ORGANIZATION OF HOUSEHOLDS AND LIFESTYLES AS ENVIRONMENTAL DRIVERS

The dynamics of urban ecosystems can be enhanced by understanding the multiscale, social characteristics of households. The goal of this research has been to compare the relative significance of three social theories of household structure—population, lifestyle behavior, and social stratification—to the distribution of vegetation cover in Baltimore, Maryland. The ability to examine the relative significance of these theories depended upon fine-scale social and biophysical spatial data. These areas were riparian areas, private lands, and public rights-of-way. Using a multimodel inferential approach, it was found that vegetation cover in riparian areas was not explained by any of the three theories, while lifestyle behavior was the best predictor of vegetation cover on private lands.

Surprisingly, lifestyle behavior was also the best predictor of vegetation cover in public rights-of-way.

The inclusion of a quadratic term for housing age also significantly improved the models. A second goal of the research will be to illustrate how the explicit use of scale and spatial heterogeneity are critical tools for integrating social and biophysical patterns and processes in urban ecosystems.

Presented at the Ecological Society of America (ESA) National Meeting, Montreal, Canada, August 2005.

For more information, contact Austin Troy, University of Vermont, austin.troy@uvm.edu, or Morgan Grove, USDA Forest Service, mgrove@fs.fed.us

To exist as a Nation, to prosper as a State, and to live as a people, we must have trees.
— Theodore Roosevelt

URBAN AND COMMUNITY FORESTRY MID-ATLANTIC REGION

Calendar of Events, Meetings, and Conferences

December 2005 to February 2006

Also Available Online at:

www.fs.fed.us/na/morgantown/uf/ufcalendar.html

December 2005

1 - 1 **Penn Sate Media Workshop**
Location: TBD, Pennsylvania
Event Type: Conference **Program:** UCF
Info: Vincent Cotrone
Email: vjc1@psu.edu

11 - 14 **American Health Association (APHA) Annual Meeting**
To register, go to <https://www.one-stop-registration.com/apha/OSR.Index?show=0>
Location: Philadelphia, Pennsylvania
Event Type: Meeting **Program:** UCF
Info: Cheryl Kollin (202)737-1944 x22
Email: ckollin@amfor.org
Link: <http://www.american-forests.org>

13 - 15 **The Land Development Breakthroughs – Best Practices Conference**
Location: Washington Conv. Center
Event Type: Conference **Program:** UCF
Info: Greg Yoko (888)388-8787
Email: gyoko@ldbrokebreakthroughs.com
Link: <http://www.ldbrokebreakthroughs.com/main/Sections-article2-p1.htm>

14 **2005 Pennsylvania Urban & Community Forestry Council Meeting**
Olewine Nature Center
Location: Harrisburg, Pennsylvania
Event Type: Meeting **Program:** UCF
Info: Seth P. Cassell (717)705-2825
Email: scassell@state.pa.us

14 **Risk Tree Evaluation Training for MD DNR Park Service**
Location: Greenbriar State Park Auditorium
Event Type: Training **Program:** UCF
Info: Becky Wilson (301)777-5591
Email: bwilson@dnr.state.md.us

January 2006

29 – 31 **2006 NJ ASLA Annual Meeting**
Network with more than 600 professionals and see exhibits of innovative techniques, products, and services.
Location: Trump Taj Mahal Casino Resort, New Jersey
Info: Patricia Brewer (609)393-7500

29 – 31 **41st Annual Shade Tree Symposium PA – DE Chapter of ISA**
Location: Lancaster Host Resort, PA
Event Type: Symposium **Program:** UCF
Info: E. Wertz (215)795-0411
Email: penndelisa.org

February 2006

Feb 27 – **Leadership Training for Non-Profit and Community Professionals Working in UCF**
Mar 1
This training session is currently under development.
Location: TBD
Event Type: Training **Program:** UCF
Info: National Arbor Day Foundation
Link: <http://www.arborday.org>

The next issue of **Urban Projects** from the Morgantown Field Office will be Spring 2006.

Please send articles or events to:

Donna Murphy, Center Coordinator
MACUCF - USDA Forest Service
Keystone College, PO Box 1466
La Plume, PA 18440-1099 or
dmmurphy@fs.fed.us