

# Canopy



..... SPRING 2012

Indiana Urban Forest Council | PO Box 409 | Carmel | Indiana | 46082



## A LETTER FROM IUFC PRESIDENT, BURNEY FISCHER

The 2012 Indiana Urban Forest Council Winter Conference held February 8th at The Nature Conservancy's Efroymson Conference Center was a great success. Read all about the conference in an accompanying newsletter article. The summer conference to be held at Terre Haute on July 18th is coming up quickly and the Education/Conference Committee lead by Paul Pinco has put together an excellent program. Please consider attending to join the Indiana urban forestry community at work.

Change is the current story line for the IUFC these days. Here's a short list of "changes" the Board of Directors is working on:

1) The IUFC Canopy Newsletter is changing to an on-line newsletter. We have decided that the printing costs for a newsletter outweigh the benefits and that a more broadly distributed newsletter is important for the Indiana urban forestry community. A Board Committee of Rachel Christenson (lead), Marjorie Hennessy, and Greg Shaner has taken up the challenge and this first newsletter is the result of their efforts. It really looks like a winner to me. Our plan is to distribute three newsletters per year: winter (January), spring (May) and fall (September). Please send us comments and ideas for future issues.

2) Change in the IUFC Board of Directors continues with long-time IUFC Board members Lindsey Purcell and Burney Fischer reaching their six year term limit this fall and departing the Board. At least one other Board member ending a three year term will not run for re-election. So, we are looking for new nominees for the Board. Please consider joining us and contacting a current Board member to be nominated.

3) Change is quite evident in the Department of Natural Resources with Pam Louks, Indiana Community and Urban Forestry Coordinator, leaving her state position after 22+ years this August. Pam is a great friend and partner of the IUFC. We will miss her greatly at the state level, but we know she will be an active volunteer in the Indiana urban forestry community. The IUFC will be monitoring changes in the Community and Urban Forestry program as the State Forester begins the search for a new coordinator. We will offer to help in the selection process in any way requested.

4) Another change in CUF is the addition of Carrie Tauscher, the new Volunteer Coordinator with the CUF program. Carrie comes to the CUF program from the Community Trees Program at The Morton Arboretum. She will be working with the Tree Stewards program in addition to her other responsibilities in the CUF program. We look forward to working with her.

5) And, the biggest change for the IUFC is the departure of long-time IUFC Executive Director Ashley Mulis who finished up her work for us on March 1st. She left us in great shape with grants submitted, the winter conference's closeout complete, and the summer conference planning in place. I am chairing a small search committee for a new Executive Director. The job announcement has been circulated widely in the urban forestry community and we have begun interviewing candidates. We seek a candidate with experience in both urban forestry and non-profit management. It is a difficult combination, so we will take our time to get things right. I hope that we can announce a decision and introduce our new Executive Director at the IUFC Summer Conference.

Finally, just as I ended my previous IUFC Canopy Newsletter column, we need to hear from folks who read this newsletter and have ideas to share and questions to ask. Please feel free to contact me at [bufische@indiana.edu](mailto:bufische@indiana.edu). Thanks for reading the IUFC Canopy!

## 2012 BOARD MEMBERS

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## OUR MISSION

The Indiana Urban Forest Council promotes public understanding of the need for trees and other natural resources in and along parks, green space areas, streets, and urban woodlands, and assists Indiana communities in protecting, expanding, and improving their urban forests.

## OUR GOALS

The Indiana Urban Forest Council strives to promote ideal community forest practices to public and private organizations and seeks to establish sustainable urban forests in all communities while assisting all municipalities educationally to plant and maintain trees properly. The Indiana Urban Forest Council also collaborates with the Indiana Department of Natural Resources, Community and Urban Forestry (IDNR, CUF), to widen the public's understanding and appreciation for the value of urban trees and forests in our Indiana communities and to preserve and renew Indiana's community forests.

## URBAN FORESTRY SPOTLIGHT: JULIE HOLTSCLAW



Perhaps you have seen Julie at an IUFC conference before. Julie Holtsclaw works for the City of Indianapolis in the Department of Code Enforcement. Her title is Environmental Inspector – Forestry Specialist.

Julie grew up on small farms in southern Illinois. She lived in Albion, Illinois until 9th grade, and then her family moved to a seven acre farm in Murphysboro, Illinois where she went to high school. Julie values having lived in Murphysboro. It is near Shawnee National Forest, which is home to the Little Grand Canyon and Pomona Natural Bridge. She caught the largest bass of her life there in Cedar Lake.

After high school, Julie tried her hand at various office jobs and in 1991, she came to Indianapolis. The last office job was working in accounts receivables for an automotive electrical supply company. The office was understaffed and a bit stressful, and Julie found herself wanting to work outdoors. She saw that Engledow had posted a position in the want ads, and in 1995, she began working on a landscape maintenance crew. In less than two years, Julie became a crew supervisor.

After eight years at Engledow, Julie began working for Indy Parks as their Horticultural Supervisor. In 2010, Julie's position was moved to the Department of Code Enforcement where she now works.

In her current position, Julie enjoys permitting, which allows her to meet people wanting to improve the quality of life in Indianapolis by planting trees. She also enjoys working with non-profit greening groups, such as Indianapolis Downtown, Inc. and Keep Indianapolis Beautiful, Inc. Julie finds it challenging to enforce the city's flora ordinance because people don't always understand why things like topping are a violation of the ordinance.

Right now, Julie's favorite trees are Yellowwood (*Cladrastus kentukea*) and Black Gum (*Nyssa sylvatica*). Though the city tree of Indianapolis is currently crabapple, Julie thinks Yellowwood could be a strong contender for the designation.

*Contributed by Nate Faris, Keep Indianapolis Beautiful.*



# THE RESULTS ARE IN FOR THE FIRST ANNUAL IUFC INDIANA ARBOR DAY POSTER CONTEST!

The results of the first IUFC Indiana Arbor Day Poster Contest are as follows:

## 1st Place Winner

POSTER #04 by Kyle Bickel (Teacher: Susan Lombard) of Highland Elementary School\* in Evansville, IN with 498 votes. Both student and teacher will receive a commemorative IUFC Arbor Day Poster Contest T-shirt designed by Arbor Rangers, LLC. Kyle will also receive an 8GB iPod Touch, while his teacher will receive a \$100.00 Gift Card for the Teacher's Aid store at 301 N Congress Ave, Evansville, IN 47715. A special Awards Ceremony with tree planting will be held in honor of Kyle and his achievement.

## 2nd Place Winner

POSTER #01 Emily Koch (Teacher: Beth Emsweller) of St. Louis School in Batesville, IN with 434 votes. Both student and teacher will receive a commemorative IUFC Arbor Day Poster Contest T-shirt designed by Arbor Rangers, LLC. Emily will also receive an 8GB iPod Touch, while her teacher will receive a \$75.00 Gift Card for The Bookshelf store at 101 N Walnut Street, Batesville, IN 47006. A special Awards Ceremony with tree planting will be held in honor of Emily and her achievement.

## 3rd Place Winner

POSTER #05 Madison Fulton (Teacher: Jane Brack) of St. Lawrence School in Lawrenceburg, IN with 379 votes. Both student and teacher will receive a commemorative IUFC Arbor Day Poster Contest T-shirt designed by Arbor Rangers, LLC. Emily will also receive an 8GB iPod Touch, while her teacher will receive a \$50.00 Gift Card for the United Education store. A special Awards Ceremony with tree planting will be held in honor of Madison and her achievement.

## Honorary Finalists out of 650 Indiana Contestants:

- Poster #06 Hannah Weiler (Teacher: Nancy Lillie) of Sunman-Dearborn Intermediate in West Harrison, IN placing 4th with 347 votes.
- Poster #02 Adrienne Niewiadomski (Teacher: Kullen Day) of Eastern Pulaski Elementary in Winamac, IN placing 5th with 262 votes.
- Poster #07 Paris Morgan (Teacher: Marianne Hawkins) of Eliza A. Blaker IPS School #55\* in Indianapolis, IN placing 6th with 197 votes.
- Poster #03 Sebastian Cloyd-Annarino (Teacher: Michael Rawert) of The Indianapolis Project School\* in Indianapolis, IN placing 7th with 168 votes.
- Poster #08 Bilqis Turner (Teacher: Sarah Knepper) of University Elementary\* in Bloomington, IN placing 8th with 85 votes.

THANK YOU for participating in this year's contest! Much will be learned from this experience and our hope is that it will grow in popularity as we refine the rules to ensure an enjoyable educational experience for everyone.

*\*Denotes first-time poster contest participant, including National Poster Contest by the Arbor Day Foundation.*

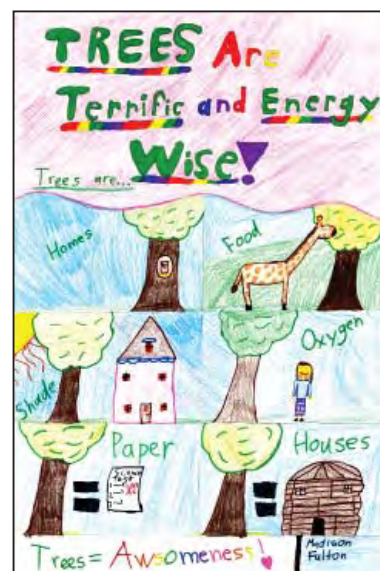
Contributed by Jeff Harris, CEO of Arbor Rangers, LLC.



1st Place Poster by Kyle Bickel.



2nd Place Poster by Emily Koch.



3rd Place Poster by Madison Fulton.





## TREE RISK ASSESSMENT: WHAT YOU SHOULD KNOW, NOW

One of the more critical tasks of an arborist or urban tree manager is risk assessment of trees. It is the responsibility of a tree owner to maintain and manage this important green asset and protecting the safety of others is the highest priority. Tree Risk Assessment (TRA) is a relatively recent development and it is difficult to find much in the literature regarding the assessment protocol. Prior to the 80's and even the early 90's, little discussion exists on this practice; however, there have been recent developments with drastic improvements in procedure. Trees have not become more dangerous or a greater risk; the more likely causes of this heightened awareness is perhaps the "risk society" in which we live, increasing demands from insurance companies and increasing claims against local government.

In response to increased concern with risk management, a great deal of research and development has been applied to the assessment process. Specifically, the release of the long awaited standards and best management practices for TRA. Recently, ANSI (Approved American National Standards) has released ANSI A300 Part 9, Tree Risk Assessment. This set of standards focuses on the specific aspect of tree structure assessment. In addition, the International Society of Arboriculture (ISA) has released a companion publication, Tree Risk Assessment best management practices (BMP) as an aid in the interpretation of these professional standards and to help guide TRA process based on current science and technology.

This set of documents is intended to serve as a guide for tree managers and arborists with assessment consistency and accuracy and to recommend the proper mitigation to achieve an acceptable level of risk. What the literature does not do is provide specific tactics or measures for hazard conditions, but provides help in the decision-making process. Additionally, it is critical for the tree manager to consult a qualified arborist in the process.

The new ANSI standards on TRA and the best management practices provided by the ISA are a great step forward in formalization of this task. The information can help protect the tree owner and manager by providing consistency in the procedures that emphasizes the needs of the client. Now, the TRA process is finally moving closer to a standardized technique which will help the arborist evaluate risk and recommend the necessary action to reduce threats in the urban landscape. If risk assessment is part of the job description, a visit to the ISA website to purchase these two publications is highly recommended.

*Contributed by Lindsey Purcell, Urban Forestry Specialist, Purdue University.*



## UPCOMING TRAINING: INDIANA TREE STEWARD PROGRAM

The Tree Steward Program is designed for tree board members, municipal employees, volunteers, students, Master Gardeners, and anyone that has an interest in learning more about trees and giving back to their community forest. This course is eligible for CEU's from the International Society of Arboriculture.

### Central Indiana

June 21, 28, July 12, 19, 25  
Indiana State Fair Grounds  
Indianapolis, IN

### Southern Indiana

September 18 & 19  
Vincennes University  
Jasper Campus

### Northern Indiana

October 4 & 5  
Reid Interpretive Center  
Goshen, IN

**Registration** must be received two weeks in advance of the first class date. Cost is \$30 per person and includes course materials, light refreshments, and lunch. For registration materials, contact the Community & Urban Forestry Office at (317) 591-1170 or urbanforestry@dnr.IN.gov.

# TREE CAMPUS, USA CERTIFICATION DEEPLY ROOTED

It can be Arbor Day every day on your college campus! Here at Indiana State University the Tree Campus USA program is good for our trees, all 4,200 of them. But it is also good for students, faculty, staff, and the community within which our campus exists, Terre Haute.

ISU joined the Tree Campus USA program, sponsored by the Arbor Day Foundation, in 2008, the charter year. We are halfway through our fifth year as a Tree Campus. When reviewing the five core standards the program is built around, many college campuses would find they already meet most of the requirements. If they are lucky enough to be located within a Tree City USA, becoming a Tree Campus could create instant partnerships. This was the case here in Terre Haute.

The standards to meet are as follows:

- Standard 1—Campus Tree Advisory Committee
- Standard 2—Campus Tree Care Plan
- Standard 3—Campus Tree Program with Dedicated Annual Expenditures
- Standard 4—Arbor Day Observance
- Standard 5—Service Learning Project

These standards are the same for the Tree City program, except for the addition of the Service Learning Project. The city forester or planner in your nearest Tree City USA neighbor could become an instant ally in your efforts to become certified. Terre Haute has had a longstanding tree board called TREES Inc, and decades long members of this board helped me considerably in my initial efforts to organize our programs and achieve the standards.

When I say the program is good for everyone, I don't just mean in an overall environmental sense. Tree Campus USA involvement has had direct off shoots and impacts at all levels of university life. As the Landscape and Grounds Manager, I had the opportunity to address the Board of Trustees and present a slide show about our tree canopy and the care it requires. I have met numerous faculty members who have generated student projects and curriculum content based on our tree inventory, GIS mapping, and insect study to name a few topics.

ISU organizes two community wide volunteer days every year called Donaghy Day, and our service learning project is always part of this event. We plant one tree every year to celebrate the volunteer spirit and conduct various other projects such as wrapping seedlings to give away at local elementary schools and planting tree farms on currently un-utilized properties.



The Tree Campus USA program created a network of professionals on campus and in the community which has been invaluable in preparing for the arrival of the Emerald Ash Borer to the Terre Haute area. We have a treatment plan and received more than enough publicity to support this plan. I participate in the tree board for the city, as well as Rose Hulman University, and they participate in my board. We have included tree care service providers from the community on the board and are able to share tree care information and discuss relevant issues at our quarterly tree board meetings, such as the Emerald Ash Borer threat.

In short, I would encourage any college or university to explore this option. The State Urban Forest Coordinator helps to administer the program and will assist you any way possible. Our flag flies outside on Arbor Day, but hangs in the student union throughout the rest of the year. It is my goal that every future Indiana State University "Sycamore" graduate is fully aware of our Tree Campus status and remembers their time at ISU fondly, highlighted by outdoor moments under the green leaves of our cherished urban forest. The Arbor Day Organization is helping me achieve that goal!

*Contributed by Stephanie Krull, Landscape and Grounds Manager at Indiana State University.*



## SAVE THE DATE: IUFC TREE-CYCLE

**What:** Family-friendly bicycle ride that includes a tree planting and free stuff!

**When:** September 22, 2012

**Where:** Fall Creek Trail between Indiana State Fairgrounds and Indy Parks Skiles Test Park.

Registration, agenda and other details to come. Check the IUFC website for more details as the date approaches!



## 2012 IUFC WINTER CONFERENCE: ONE FOR THE RECORD BOOKS

The 2012 IUFC Winter Conference was a huge success story. The Indiana Chapter of The Nature Conservancy (TNC) hosted our meeting at their Efroymson Conservation Center in downtown Indianapolis. With 60+ registrants, one of the largest IUFC winter conferences on record, we were literally a couple of seats away from standing room only.

A purpose of seeking out the TNC for a meeting host and sponsor is the increasing interest and opportunities to protect forests within and at the edges of cities and towns. Land trusts are becoming great partners in this arena. Also, the US Forest Service has just announced their new Community Forest and Open Space Conservation Program to protect forestland within urban areas.

The first session at the winter meeting was a panel discussion with representatives from TNC (Adam McLane, Director of Operations) and the Central Indiana Land Trust (CILTI; Cliff Chapman, Conservation Director). It was clear from both speakers, as well as contacts we have made with other Indiana land trusts, that they want to partner with the Indiana urban forestry community on both planning efforts and specific projects.

The Mapleton-Fall Creek Development Project in Indianapolis was showcased by two speakers as an innovative way to incorporate LEED Neighborhood Development into the restoration of older neighborhood. The project showcased both the use of trees and connections to the natural environment (Fall Creek corridor). This long-term project is something that the IUFC should periodically revisit.

Ohio Department of Natural Resources Regional Urban Forester Stephanie Foster-Miller delivered two excellent presentations. Ohio's Tree Commission Academy is an educational outreach program focused on city officials and stakeholders who make decisions about urban forests. Much like Indiana's very successful "Tree Stewards" program, the Ohio Tree Academy is an educational effort in a classroom and project based program to educate and motivate a targeted group of individuals to benefit community and urban forests. The Ohio Urban Site Index effort is combination of applied research and outreach program to match tree species to successful growing locations along roads. Through the testing of a series of site and location variables, they are building a database to develop predictors



for successful tree species planting sites. A very innovative initiative and something that several of us want to extend to Indiana's urban forest over time. Great to see how another state does things.

There were a very special set of presentations by Mark Bays, Oklahoma Urban Forestry Coordinator, about the Oklahoma Survivor Tree. The survivor tree, a story of hope and restoration, is about the American elm tree that survived the bombing of the Alfred P. Murrah Federal Building in Oklahoma City and how it became the symbol for the national memorial. But, there's a second story as well: the protection of the survivor tree during the construction of the national memorial. Both stories were fascinating. The Indiana urban forestry community can learn much from this and other national memorials, such as the National September 11 Memorial, regarding the use of trees as major features in a memorial.

PhD candidate Sarah Mincey gave a presentation on the little explored research topic of private trees. "Private Tree Management in Bloomington, Indiana: Initial Results of a Homeowner Survey and Private Parcel Inventories" is an initial look into private trees and their owners. Sarah has been kind enough to give us a short follow-up on this presentation in a separate article later in this newsletter.

Finally, we closed with a new idea for a session, "Energetic Urban Forestry News,"



which we intend to repeat periodically at our conferences. A team from Keep Indianapolis Beautiful (KIB) conducted a Jeopardy program to "test" people on what they learned during the conference. Burney Fischer presented an update on the new Atlantic Cities – Place Matters website which has some great urban forestry stories. He also discussed the Indiana Department of Natural Resources new "Indiana Tree Project" where you can donate 10 dollars to plant a tree in a state forest. It is an idea ready for someone in Indiana to mimic for urban tree planting.

Finally, the day was a celebration of our six years great years with IUFC Executive Director Ashley Mulis. Memories were shared and few tears shed. It was great to have Ashley's final conference be such a success!

*Contributed by Burney Fischer, IUFC President.*

# PRIVATE RESIDENTIAL URBAN FORESTRY STUDY: BLOOMINGTON, IN

At the IUFC Winter Conference in Indianapolis, Sarah Mincey, PhD Candidate at Indiana University presented the preliminary findings of her urban forest management research from Bloomington, Indiana. Mincey, along with IUFC Board President and Indiana University Professor, Burney Fischer, are conducting research that asks the questions: What is the urban forest structure on private, residential property in Bloomington? What motivates these homeowners in the management of their parcel's trees? What role do homeowner and neighborhood associations play in incentivizing sustainable urban forest management at the parcel scale? To answer these questions, the research team conducted complete tree inventories on 106 private parcels across 14 neighborhoods and homeowners' associations (HOAs) within the city where homeowners were also surveyed regarding their tree and land management practices and preferences.

Preliminary results of the study emphasize the significance of physical factors on a parcel's tree structure. Specifically, the research finds that the older a parcel's housing development, the more individual trees and the more species of trees present there, as well as the larger the average tree Diameter at Breast Height (DBH). However, this latter relationship was not linear; DBH of trees per parcel increased with housing development age to the 1970s, however this relationship leveled off for parcels developed in the

1950s and 1960s as they have more likely experienced large tree removal than newer parcels. Further, older parcels were more likely to have poorer average tree condition and more tree-infrastructure conflicts relative to new housing developments' parcels, a phenomenon that researchers explain as likely resulting from a relatively older tree population that has grown into conflicts and experienced the wear and tear of storms, pests, and decay over time.

In their inventory, Mincey and Fischer's team systematically noted whether trees inventoried had been maintained. Evidence of tree maintenance (pruning, mulching, staking, watering) was more likely to be found on parcels with fewer trees and was linked with better average tree condition and the presence of fewer invasive tree species on a parcel. However, invasive trees were more likely to be found on properties with more trees overall. Thus, while one might theorize that stewardship in the form of maintenance may suggest a land manager's preference for invasive species removal, the relationship between the number of trees and the number of invasive trees per parcel complicates the causal theorization.

Initial survey results from the study demonstrate that homeowners most often define the important benefits of their trees in terms of their aesthetic qualities, the shading of their house and yard, as well the

public benefits the trees provide. By far, the largest drawback of having trees on an urban residential parcel was the potential for damage to the property from breaking limbs or downed trees, followed by the cost of their maintenance. Researchers found that landowners seek information about their tree management most often from friends and family, followed by arborists or tree service employees, and thirdly, from neighbors. However, there were significant differences between parcels in HOAs versus Neighborhood Associations. Parcels in HOAs were more likely to seek information from their association regarding tree management while parcels in neighborhood associations were more likely to call on neighbors for such information.

Ongoing data analysis will allow additional linkages to be made between survey and biophysical data to identify the most relevant social-ecological system characteristics influencing tree structure and management on private residential lands in Bloomington. Mincey will present her final results in a poster at the International Society of Arboriculture Conference in August of this year and will share the same poster with IUFC members at our fall conference.

*Contributed by Sarah K. Mincey, PhD Candidate, IUB - SPEA.*

## UPCOMING TRAINING: INVASIVE FOREST PEST IDENTIFICATION

Invasive forest pests are difficult to spot before they have already done significant damage. Become the first line of defense for your community's urban forest, and learn how to identify these destructive pests, host tree species, and infestation symptoms. Morning sessions will be classroom-based, and afternoon field workshops will include host tree ID and demonstrate scouting techniques. Participants will conduct independent surveys in August 2012 and report their findings after completion of scouting assignments.

Sponsored by IDNR-CUF, APHIS, and Purdue University.

### Workshop Schedule:

All workshops 9:00 am - 4:00 pm local time.

#### Evansville - July 9th

Vanderburgh 4-H Center  
Banquet Hall  
201 E. Boonville-New  
Harmony Rd.  
Evansville, IN 47725

#### Greendale - July 10th

Schnebelt Park  
The Greendale Cabin  
1000 Nowlin Ave.  
Greendale, IN 47025

#### Valparaiso - July 16th

Forest Park Golf Course  
The Welter Room  
1155 Sheffield Dr.  
Valparaiso, IN 46385

#### Merrillville - July 18th

International Brotherhood  
Electrical Workers Union  
Conference Room IBEW 697  
7200 Mississippi Street, Ste. 200  
Merrillville, IN 46419

#### Chesterton - July 19th

Westchester Public Library  
200 West Indiana Ave.  
Chesterton, IN 46304

### Registration:

Call IDNR Community & Urban Forestry at (317) 591-1170 to participate. A \$15 registration fee covers on-site lunch and refreshments during session. Deadline is June 25, 2012.



NEWS AND NOTES FROM THE DESK OF..

PAM LOUKS, INDIANA DEPARTMENT OF NATURAL RESOURCES,

COMMUNITY & URBAN FORESTRY COORDINATOR

- The CUF program just awarded over \$245,000 to cities, towns, and non profits for inventories, tree planting projects that address specific environmental purposes, and interpretative signage that explains the significance of the work trees do in the urban forest.
- The USDA Forest Service Northeastern Area delivered the FY 2012 budget to partners. CUF has, once again, been awarded dollars over and above the base core urban forestry funds of \$200,000. This year, since CUF served an additional 300,000 Hoosiers, the CUF Core Budget for FY 2012 was increased to \$245,000. That is great news and shows that the Indiana Urban Forest Community has been hard at work. We are uncertain, at this point, what amount of the \$245,000 will be granted out to cities, towns, and non profits.
- Congratulations to Indiana's newest Tree City-New Haven. New Haven's Mayor, tree board and park department have been working to establish an urban forestry program for a couple of years. I have been impressed with the thoughtful, careful approach to urban forestry, their ordinance, training for staff and tree board members. The city should do well as they watch their urban forest grow!
- Also, congratulations to the other 66 Tree Cities. In these budget challenging times, it is heartening to know that cities and towns

realize the importance of the urban forest to the ecological and economic health of their community. Of these 66, the following went that extra mile and received the Tree City Growth Award. They are: Anderson, Carmel, Evansville, Fort Wayne, Franklin, Goshen, Greencastle, Indianapolis, Middlebury, Noblesville, Rensselaer, Syracuse, and Westfield. Please continue to encourage and support the efforts of the following communities as they work to become Tree Cities: Jasper, Brownsburg, and Danville. National Tree City count: Over 3, 300.

- And, what about those Tree Campus USA's? This program still has Indiana at four, but, some are working toward this special designation of tree care on our university and college grounds. Congratulations to the Indiana Tree Campus's of IU, ISU, Purdue, and Vincennes U at Jasper and Vincennes. Plan to invite the Sustainability Coordinator or Campus Arborist from the college or university in your area to attend the IUFC summer meeting which will feature specific topics for Tree Campus USA.
- Some of our Indiana electric utilities have outstanding tree care programs and partnerships with their local communities. They are: NIPSCO, Indianapolis Power & Light, Vectren, and Mishawaka Utility. They strive to keep electric lines clear and communities green. They are there to help when we ask. Because of the efforts of the

four utilities listed, they have been nationally recognized as Tree Line USA's. Their task is not easy. We can help them by NOT PLANTING TREES UNDER OR NEAR ELECTRIC UTILITY LINES! National Tree Utility count: over 157.

- Indiana Community Tree Stewards in partnership with CUF and under the direction of Carrie Tauscher, CUF Volunteer Coordinator, distributed 200 tree seedlings in April in the Fort Harrison area. Carrie has also worked with many partners to schedule her first round of Indiana Community Tree Steward courses throughout the state.
- We continue to encourage our partners to set urban tree canopy (UTC) goals. The USFS service is being encouraged by the State Coordinators in the Northeast Area to provide concrete direction to assist cities and towns in setting realistic, scientific based UTC goals. To find out if your regional UTC is under threat, see the chart on page 9.

As always, feel free to contact CUF on any issue related to urban forestry and urban natural resources. If we don't know the answer, we know someone who does!



IUFC WELCOMES CARRIE TAUSCHER!

Hello IUFC! My name is Carrie Tauscher. I am the new Volunteer Coordinator with Pam Louks and the Community and Urban Forestry (CUF) Program. I hail from Pulaski, Wisconsin and grew up on a family dairy farm. I graduated from Iowa State University with a Bachelors of Science degree in Horticulture and Bachelors degree in Landscape Architecture, and I am an ISA Certified Arborist. (GO CYCLONES!).

My most recent work was with the Community Trees Program at The Morton Arboretum. I worked as an inventory technician for the 2012 Tree Census which was a regional i-Tree Survey for the 7 county Chicago-land Region. I was asked to stay on with the program as the Community Trees Projects Assistant. My main tasks included providing outreach, assistance, and education programming for communities and municipal/commercial foresters and arborists. This programming covered a broad range of topics from invasive pests to tree preservation and policy, communication of the newest findings and techniques based on the latest urban forestry related research and urban forestry awareness.

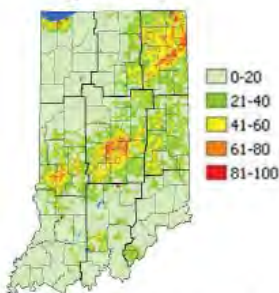
With CUF I will be working with the Tree Stewards program providing education opportunities and connecting and supporting volunteer opportunities across the state! I will also be growing in my position learning and taking on more responsibilities with the CUF program.



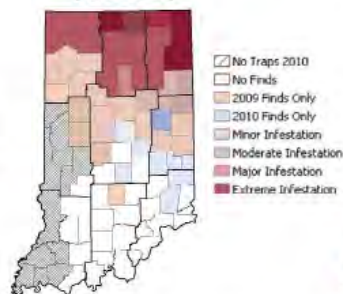


# Threats and Environmental Pressures that Influence Indiana UTC

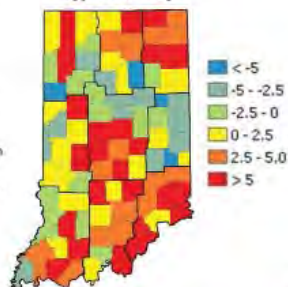
Probability of EAB Presence (percent)



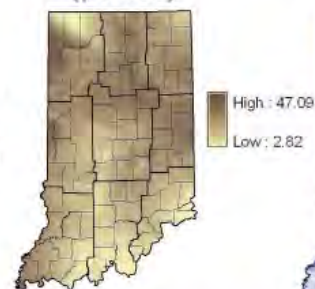
Presence of Gypsy Moth (number)



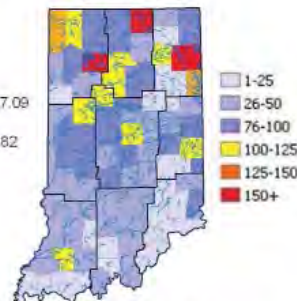
Land Development as Measured by Population Change (percent)



Existing Impervious Land Cover (percent)



Impaired Stream Segments (number)



Establishing a tree canopy goal is essential for communities seeking to improve the quality of life and create a sustainable urban forest. Knowing how much urban tree canopy is present is the first step in this goal-setting process, followed by determining the desired amount of tree canopy that could practically be established.

Within the regions of Indiana, factors that threaten and influence urban tree canopy were evaluated to determine their potential impact on this important natural resource. Threats include the probability of the presence of emerald ash borer, presence of gypsy moth, and land development as measured by the change in population. Environmental pressures analyzed were existing urban tree canopy, existing impervious land cover, and the presence and number of impaired stream segments.

The results of this report can be used by the State and by communities to establish benchmarks against similar communities, set goals for canopy cover improvement, create plans for planting and protecting trees, and monitor threats to the urban forest. Each of the factors that affect urban tree canopy can be considered separately, or combined, to determine the reasonable allocation of technical and financial support to achieve the State's efforts to preserve and increase canopy cover in Indiana.

Threats and Environmental Pressures that Influence UTC

Region	Existing Average UTC (percent)	Probability of EAB Presence (percent)	Presence of Gypsy Moth (number)	Land Development as Measured by Population Change (percent)	Existing Impervious Land Cover (percent)	Impaired Stream Segments (number)
Northwest	23.44%	5.23%	7,343	1.43%	28.26%	860
Northcentral	20.61%	15.97%	17,120	1.31%	30.54%	693
Northeast	18.06%	40.68%	53,201	3.58%	28.16%	696
Centralwest	25.30%	19.26%	5	1.91%	27.04%	586
Central	23.32%	28.28%	280	11.20%	27.38%	828
Centraleast	21.54%	26.52%	446	-2.87%	30.73%	449
Southwest	26.71%	6.82%	0	2.35%	24.27%	428
Southcentral	30.38%	10.66%	4	5.01%	21.27%	317
Southeast	30.71%	7.69%	6	7.54%	22.07%	212

Level of Threat or Environmental Pressures that Influence Indiana UTC



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## CONGRATULATIONS TREE CITIES, TREE LINES, AND TREE CAMPUS USA'S FOR CARING FOR THE URBAN FORESTS ON YOUR WATCH IN 2011!



**TREE CITY USA.**

Anderson  
Angola  
Auburn  
Avon  
Bedford  
Beech Grove  
Berne  
Bloomington  
Carmel  
Chesterton  
Columbia City  
Crown Point

Culver  
Decatur  
Dyer  
East Chicago  
Edgewood  
Edinburgh  
Elkhart  
Evansville  
Fishers  
Fort Wayne  
Fortville  
Franklin  
Fremont  
Goshen  
Greencastle  
Greendale  
Greenfield  
Grissom Arb  
Huntington

Indianapolis  
Kendallville  
Lafayette  
Laporte  
Madison  
Merrillville  
Michigan City  
Middlebury  
Mishawaka  
Montpelier  
Mount Ayr  
Muncie  
Munster  
Nappanee  
Nashville  
New Harmony  
New Haven  
Noblesville  
North Manchester

Rensselaer  
Richmond  
Rising Sun  
Rochester  
Russiaville  
Salem  
South Bend  
Syracuse  
Terre Haute  
Tipton  
Valparaiso  
Wakarusa  
West Lafayette  
Westfield  
Whiting  
Winamac  
Zionsville



**TREE LINE USA.**

Indianapolis Power & Light  
Mishawaka Electric Utility  
Northern Indiana Public Service Company  
Vectren Energy



Indiana University, Bloomington  
Indiana State University, Terre Haute  
Purdue University, West Lafayette  
Vincennes University, Jasper

# THE INSIDE STORY ON THE IUFC INDIANA ARBOR DAY POSTER CONTEST

Since 2002, the National Arbor Day Foundation (NADF), with its corporate sponsors, hosted an annual Arbor Day poster contest to help tens of thousands of fifth graders all over the United States learn about trees. Sadly, in 2010 they discontinued the National Poster Contest.

It wasn't until early September 2011, when former IUFC Executive Director, Ashley Mulis, began taking forward steps towards the process of forming a special committee to restore the annual poster contest on a state-level. Knowing a year prior that I was very disappointed at learning about the NADF's decision to discontinue the national contest and expressing a strong interest in reviving it in some way, she contacted me via email to see if I wanted to get involved. Of course, I eagerly agreed to not only represent the IUFC as an awards presenter and to oversee tree planting, but also directly assist with the re-creation of a new poster contest lesson plans & rules book, using materials provided by the NADF. The typical size of their contest books were about 28 pages long, but with unrestricted freedom to pick and chose lessons at our discretion, along with a desire to teach not only how trees function, but also present their energy conservation benefits, it was decided that the new book would consist of no less than 42 pages.

The first big challenge soon came when we discovered that simply using a "copy-n-paste" approach was not working and so, in order to do things right, the new book would need to be constructed from scratch. With the original materials marked up in red ink and a set holiday deadline fast approaching, the new book bearing the contest theme, "Trees are Terrific and Energy Wise!" was retyped and assembled in about three weeks. Extra effort was put into it to ensure it correlated with the new (2010) Indiana Academic Standards for fifth grade Science and Fine Arts, as well as replacing many illustrations and with new artwork. During this time period, the project had already received a sponsorship commitment by the Indiana Arborist Association to assist in funding the prize awards. Arbor Rangers, LLC soon became a sponsor towards the awards as well. By the eve of the Thanksgiving holiday, a "press-ready" PDF was completed and on Monday, December 5, it went live on the newly designed IUFC Website.

About a month later, a few modifications to



the verbiage affecting contest registration and rules were made in mid-December to clarify that home-schooled and independently-registered fifth graders could participate in the poster drawing contest. At that same time I learned that the poster contest book was not going to be printed, but rather to remain for distribution as a PDF file, and so two new user-friendly, lower-resolution, downloadable versions offered in black & white or color were made and ready for distribution in less than a week. Another broadcast email went out to urban forestry affiliates and the new poster contest officially began after the New Year holiday in January 2012 with a poster entry deadline date of February 29, 2012.

From my vantage point, as a volunteer to this project, everything appeared to be set in place, until a surprising turn of events occurred in February, by the resignation announcement of Executive Director, Ashley Mulis. In an effort to prevent the cancellation of the poster contest, she turned to me to ask if I would take over as Chair of the Indiana Arbor Day Poster Contest Planning Committee, which I gladly accepted, with her assurance to remain on the committee as a volunteer.

As a first order of business, the deadline date was extended to March 30 and a renewed promotional effort went underway. With the support of the IUFC Board of Directors, I embarked on a three week email campaign to raise awareness of the poster contest. In

the end, about 650 fifth grade students, who were organized and sponsored by about 20 dedicated teachers, participated in the drawing contest. Many of these teachers engaged their students in the lessons plans prepared for them in the poster contest book to enhance their knowledge and understanding of our urban trees. After a difficult judging session conducted at the school level, the state finalists were narrowed down to eight contestants to enter into the final voting round to determine the TOP three posters.

In past NADF competitions, ballot voting was used locally at venues, such as the Indiana State Fairgrounds, during "garden & patio" show events. While these events drew crowds, the effort to solicit votes from visitors was still extremely limited and often at an expense to rent booth space, with less than satisfying voter participation, numbering less than 200.

In an effort to reach a wider audience of voters, the brain-storming efforts of Ashley, Katie Booth (Indianapolis Museum of Art) and Neil Stevenson (Madison County Council of Governments; IUFC Website Designer) concluded that through use of available technology, it may be possible to conduct the final voting process online. This concept quickly lead to utilizing the IUFC's own Facebook page as the platform. Additionally, a temporary voting email address was setup

(See POSTER, page 11)



## 2012 SUMMER CONFERENCE PREVIEW:

The IUFC Education/Conference Committee is busy preparing yet another fantastic agenda for the summer conference. Be sure to visit the IUFC website and register for the 2012 Summer Conference which is being held at the Rose Hulman Institute of Technology in Terre Haute on July 18th. The agenda is as follows:

8:10 am - 8:55 am	<b>Registration and Continental Breakfast</b>	
8:55 am - 9:05 am	<b>Welcome and IUFC Update</b> Dr. Burney Fischer, IUFC President	
9:05 am - 9:35 am	<b>Urban Forestry in Terre Haute</b> Sheryle Dell, City Forester, Terre Haute	
9:35 am - 10:20 am	<b>New Construction Standards in Indianapolis</b> Andrew Mertz, City Forester, DPW, Indianapolis	
10:20 am - 10:30 am	<b>Break</b>	
10:30 am - 11:15 am	<b>New Tree Risk Assessment BMP's</b> Lindsey Purcell, Purdue University	
11:15 am - 12:00 pm	<b>Improving Ecosystem Services via Phytotechnologies in Urban Areas</b> Ronald S. Zalesny Jr., US Forest Service, Northern Research Station	
12:00 pm - 12:45 pm	<b>Lunch (Provided)</b>	
12:45 pm - 1:30 pm	<b>EAB Update</b> Cliff Sadof, Purdue University	
1:30 pm - 2:00 pm	<b>Breakout Sessions</b>	
	<b>Neighbors Against Bad Bugs (NABB)</b> Cliff Sadof, Purdue University	<b>Methods and Practices of a Successful City Tree Board</b> Barbara Brugnau, TREES, Inc.
2:00 pm - 2:45 pm	<b>Tree Campus USA - Panel Discussion</b> Dr. Burney Fischer, Indiana University Stephanie Krull, Indiana State University Alan Johnson, Vincennes University Jasper Campus Bill Kincius, Rose Hulman Institute of Technology	
2:45 pm - 2:55 pm	<b>Break</b>	
2:55 pm - 3:25 pm	<b>Sustainable Campus Certification Program</b> Barbara Simpson, Executive Director, Indiana Wildlife Federation	

## POSTER

(Continued from page 10)

to receive votes from individuals who did not have or wish to use a Facebook account. And so, on Thursday, April 5, at 12:00pm EST the final voting phase began and lasted through 6:00pm EST on Saturday, April 14, with fantastic success!

At the time of this writing, more than 2,300 votes were cast and, in less than a week, the IUFC's presence on Facebook gained unprecedented popularity and attention for urban forestry! The graph on page 10, produced by Facebook "Insights" clearly displays the surge caused by the poster contest. Additionally, during this period, the fan "Likes" for the IUFC nearly tripled the amount it had previously received during the two years prior to the contest!

The votes were verified and screened for duplicate voting violations and votes not staying within the guidelines were disqualified. An announcement revealing the TOP 3 IUFC 2012 Indiana Arbor Day Poster Contest winners appeared at about noon EST on Monday, April 16, on the IUFC's Website and Facebook pages. A similar announcement also appeared on the Arbor Rangers' Website.

An update regarding the Award Ceremonies will be featured in the Fall Newsletter. In the meantime, I am off for a road trip through Southern Indiana to marvel at the beautiful arrival of Spring and catch Hoosiers, young and old, enjoying Arbor Day festivities Indiana-style!

*Contributed by Jeff Harris, CEO of Arbor Rangers, LLC.*

## TOTAL TREES PLANTED FOR TREE CITY PROGRAMS IN INDIANA:



**TREE CITY USA.**

**15,243 Trees**



**TREE LINE USA.**

**3,500 Trees**



**1,280 Trees**

LIKE OUR NEWSLETTER?  
BECOME A MEMBER OF IUFC!

Membership in the IUFC is open to communities, tree boards, beautification committees, private organizations, corporations, non-profit organizations, students, individuals and anyone with an interest and appreciation of Indiana’s urban forests.

WHY YOU SHOULD JOIN

- Trees provide beauty and help define the aesthetic qualities of a community. Their role in the urban forest and the environment is very critical.
- The IUFC strives to promote ideal community forest practices to the public and private organizations.
  - The IUFC seeks to establish sustainable urban forests in all communities, while assisting all municipalities educationally, to plant and maintain trees properly.
  - The IUFC also collaborates with IDNR, Community and Urban Forestry to widen the public’s understanding and appreciation for the value of urban trees and forests in our Indiana communities and to preserve and renew Indiana’s community forests Membership Benefits.

MEMBERSHIP BENEFITS

- Networking opportunities through annual conferences, workshops and general meetings.
- Email notices of up-to-date information on the latest urban forestry trends.
- Discounted fees to our conferences and meetings.
- A printed membership directory of all IUFC members.
- “Continuing Education Fund” scholarship assistance for all current members.
- Educational information and assistance.
- Your membership dues are tax deductible.

TYPES OF MEMBERSHIP

- Individual Member (\$30.00).
- Non-Profit or Government Membership (\$75.00) includes benefits and directory listings for any three people from the joining organization.
- Corporate Membership (\$100.00 - \$500.00 call for details) includes benefits and directory listings for any three people from the joining organization.
- Student memberships are also available for (\$20.00). Must be a full-time student.

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ANNUAL SPONSORS AND DONORS:

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(\$1,000 - \$2,499)

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- Duke Energy
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ANNUAL CORPORATE SUPPORTER

(\$500)

- Vectren Foundation

TREE SUPPORTER

(\$101 - \$500)

- Linda Cromer
- Dr. Burney Fischer
- Amil Kleinert
- Pam Louks
- John Montgomery
- Lindsey Purcell

FRIEND OF THE URBAN FOREST

(UP TO \$100)

- Nate Faris
- Ashley Mulis

NEWSLETTER ASSISTANCE

Thank you to the Madison County Council of Governments in Anderson, Indiana for their technical assistance in creating IUFC’s first e-newsletter.



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