

# New Hampshire's Annual Urban & Community Trees E-letter

Issue 1

October 2015

## Did You Know?

- One large tree can take up and transpire 100 gallons of water in a day
- A tree can absorb as much as 48 pounds of carbon dioxide per year, and can sequester one ton of carbon dioxide by the time it reaches 40 years old
- The net cooling effect of a young, healthy tree is equivalent to ten room-size air conditioners operating 20 hours a day
- More benefits of trees can be found [here](#)

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## Communities Plan for EAB's Arrival

UNH Cooperative Extension foresters have been working with communities in developing a preparedness and response plan for the inevitable impacts of the Emerald Ash Borer (EAB).

Large communities like the city of Nashua could be greatly impacted by the destructive insect. EAB attacks all ash species (Fraxinus). Once the insect is established within an area, it can kill all ash trees within 7 to 10 years. It is said to be the most destructive and costly insect that has ever attacked trees in North America.

The Asian insect was first

discovered in Detroit in 2002, and in NH in 2013. It can be fatal to most ash trees regardless of age, variety or site. EAB can also



The larval stage destroys the trees vascular system, eventually killing the tree.

attack the [white fringe tree](#). As of early August, Belknap County is the newest confirmed area added to the EAB [quarantine](#). Communities should contact

their county forester if they have interest in planning ahead. Contacts can be found [here](#).

“Don’t move firewood” has become the message to the public in EAB infested areas of the state. No matter where you live, this is a good precaution to take in today’s environment. When leaving to go camping or to your camp, find local wood to burn instead of potentially giving an invasive insect a free ride to a new residence.

For more information and current status of quarantine areas in New Hampshire please visit [www.nhbugs.org](http://www.nhbugs.org) or national info at [www.emeraldashborer.info](http://www.emeraldashborer.info)

## Trees Stressed From Severe Weather Patterns and Insects

Driving along the streets and highways this summer there was a common color theme among many trees and it was not green—it was brown.

Salt injury and desiccation caused by the winter’s impact turned many conifers

needles brown. Generally this subsides and the trees recover. Dry conditions continue to stress trees over the summer.

But several conifer species have also been impacted by different needle cast fungi.

[White Pine](#), Scotch Pine, Austrian Pine, Red Pine and [Blue Spruce](#) have all seen noticeable effects. In urban settings this disease is treatable with a fungicide spray.

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White pine needlecast can be caused by many different types of fungus attacking the needles

*“The center relies on volunteers to assist with projects, maintain the trails and the grounds for public enjoyment”*

Is Your Community a Tree City USA?



*Continued from p 1.....*

Blue Spruce has seen needle loss and some mortality from [rhizosphaera kalkhofii fungus](#), where needles start falling off the lower branches working its way up the tree. You can contact a professional tree care company to assess and spray your tree if its not too late.

Starting in early spring many red maples appeared brown due to

heavy seed crops and delayed leaf out. According to our Forest Health specialist Kyle Lombard, the cause is not definitively known. One theory is that weather patterns may play a key role. Red Maples are polygamo-dioecious, meaning some trees can be either male, female or actually have both sexes on the same tree. A female tree would show the heaviest seed production. Winter kill was also not-

ed, especially on sensitive fruit trees like peaches.

**Insects**— The Red Pine Scale is a microscopic insect only affecting red pines (a hard pine). It normally results in a dead tree in 3 to 5 years. This is another Asian invader that was first found in [Bear Brook State Park](#) in 2012. The cities of Concord and Portsmouth recently discovered it. For more information on the insect see [red pine scale](#). Please visit the most recent [NH Forest Health update](#) for further forest health information.

## Timberland Volunteers Over 300 hours

On June 11th the Urban Forestry Center (UFC) in Portsmouth had over 75 Timberland employees lend a helping hand.

The work involved many aspects of maintaining and enhancing the center for public enjoyment.

One of the big projects

was completing the fencing of the community garden area that is managed by a local volunteer.

There are over a dozen garden plot's that will service local community members by giving them space to grow some of their own food. Urban Forester and UFC man-

ager AJ Dupere stated that “the center relies on volunteers to assist with projects in order to maintain the trails and the grounds for public enjoyment”. The center is open every day of the year from 7:30am to 8pm free of charge.

## Tree City USA Reminder and Application

The Arbor Day Foundation has an [online portal](#) that can be used for submitting applications.

Don't forget communities can

choose to celebrate Arbor Day any day they wish, not just the official date of Arbor Day.

Not a Tree City USA? You can be and can find out how [here](#).

Universities and utility companies can also get involved. Information for both programs, the Tree Campus and Tree Line can be found [here](#).

# Laconia Celebrates 25 Years



On April 30th the city of Laconia celebrated not only Arbor Day but it's 25th year as a Tree City USA participant at Wyatt Park, located

Laconia's Arbor Day celebration included a 25 year recognition in the Tree City USA program

on the south end of the city.

Not one, but two trees were planted in the park.

The Parks and Recreation Department has been working hard to enhance the park over the past few years. After removing a building and creating some walkways, it was evident

there was need for some large shade trees. The NH Urban and Community Forestry program worked with Parks and Recreation staff in choosing the right trees for the site and planting them. One tree, a [Silver Linden](#), was fitting for the 25 year celebration. The other, a [London Planetree](#), will provide ample shade for years to come. Program foresters also worked to train staff in proper tree maintenance and care, which can be found [here](#).

## Communities Increase Tree Canopy in Downtown Areas

Downtown main street has a new "green" look for a few NH communities. In 2014 the town of Belmont saw completion of the Village Revitalization project with over 60 trees being planted along downtown streets. The project has increased the canopy along the streets significantly. Bill Hemmel of

Lakes Region Aerial Photography commended the town saying "Congratulations for working so hard all these years and turning downtown Belmont into a quintessential New England scene!"

The city of Concord is undergoing a similar but more extensive project along their

main street this year. Main Street and South Main Street will see many new plantings of shade trees. Click to learn more on the [benefits of urban trees](#). Or [here](#) to find out about the City of Concord project.

*"Congratulations for working so hard all these years and turning downtown Belmont into a quintessential New England scene!"*

## New Hampshire Urban and Community Forestry Program Expands

The NH Urban Forestry Program is pleased to announce a new staff addition to help promote and sustain the NH Urban Forestry Program.

Scott Rolfe was hired as the new Community Forester.

He will be assisting central to western New Hampshire communities with technical assistance and [urban forestry](#) resource needs. Scott comes to the program with over 18 years of experience forestry

and arboriculture.

The Urban and Community Forestry Program leader, AJ Dupere will continue to cover communities in eastern NH.



**Contact info:**  
**Scott Rolfe—271-2214**  
**AJ Dupere—431-6774**

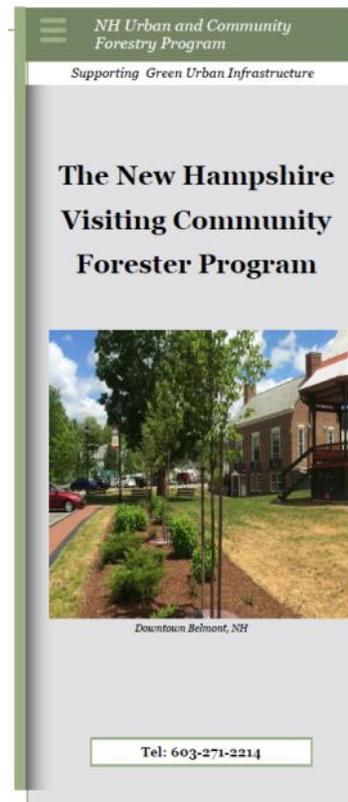
# New Visiting Community Forester Outreach

The NH Urban and Community Forestry Program is announcing a new opportunity for community outreach and education.

The program is aptly called “[The Visiting Community Forester](#)” and is designed for communities seeking urban forestry technical assistance.

This will allow

communities to make a direct request for assistance. The program aims to help communities develop and maintain urban tree programs by highlighting resources available to them. A brochure and application form can be found at [our community forestry assistance web page](#).



# Urban Forestry Center — Educational Opportunities

The Urban Forestry Center is located at 45 Elwyn Road in Portsmouth, NH and the property is open every day from 7:30 AM to 8:00 PM. The grounds feature approximately 5 miles of wooded hiking trails, a tree ID trail, a utility arboretum, urban demonstrations and picnic tables. Bicycles and leashed dogs are welcome on the property. People also visit in snowy weather to cross-country ski and snowshoe. Educational programs are posted a few weeks in advance on our entrance signboard and on our website <http://www.nhdfl.org/land-conservation/urban-forestry->

[center/](#) Please call the office (603)431-6774 with any questions.



Urban Forestry Center  
Portsmouth NH