

# Southern Region Forest Health Update

Wisconsin DNR, Forest Health Protection Unit  
January 15, 2010 Vol. 7 No. 1

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### Emerald Ash Borer Update

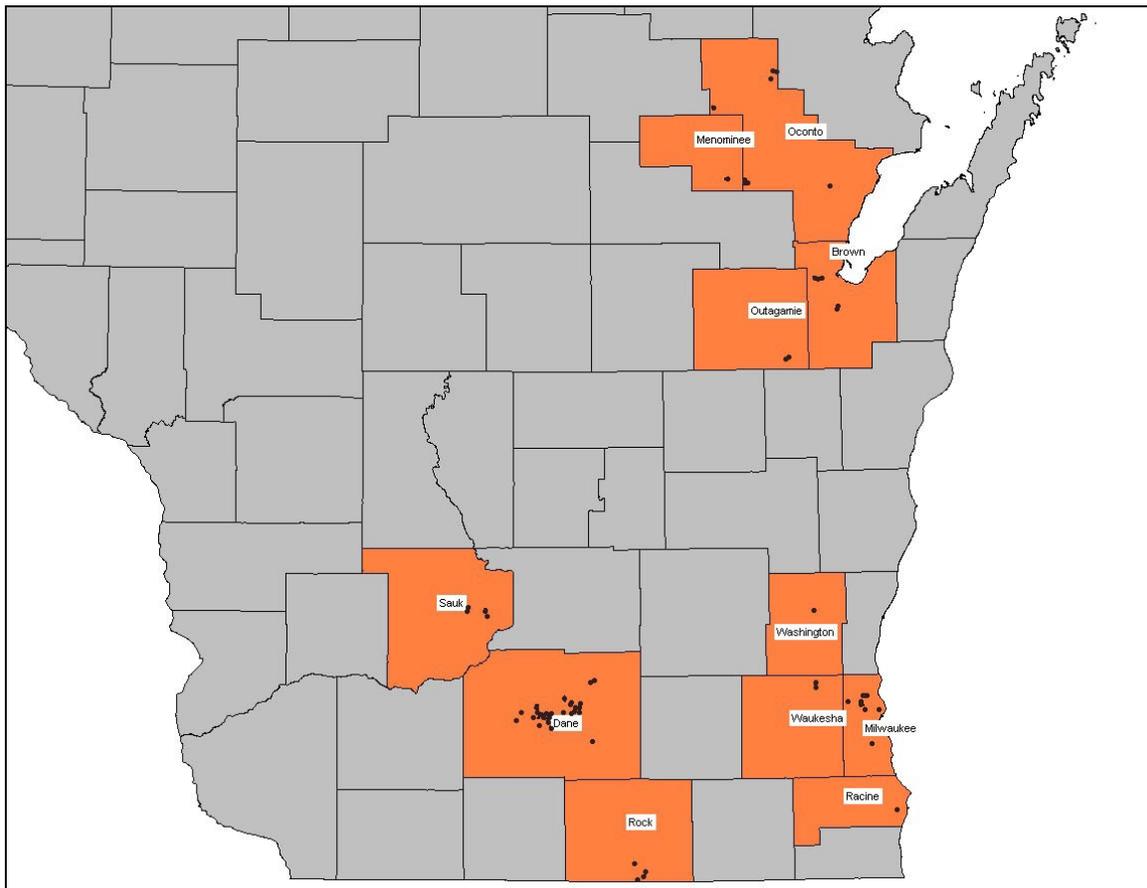
### Beech Bark Disease in Northeast WI

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## **Gypsy Moth Update - Bill McNee/Mark Guthmiller**

The DNR Gypsy Moth Suppression Program recently received applications for spraying in the spring of 2010. Statewide, 11 counties and 2 state parks applied to the program to treat approximately 5,700 acres (see the map below). Participating counties in southern Wisconsin are: Dane, Milwaukee, Racine, Rock, Sauk, Washington and Waukesha. In northern Wisconsin, participants are: Brown, Menominee, Oconto and Outagamie Counties. Maps of proposed treatment areas will be available at [www.gypsymoth.wi.gov](http://www.gypsymoth.wi.gov) by the end of January.



A map of 2010 gypsy moth spray blocks in Wisconsin

Property owners and associations that didn't apply to the state program but are still interested in aerial spraying this spring can obtain a list of for-hire aerial applicators by emailing Mark Guthmiller ([mark.guthmiller@wisconsin.gov](mailto:mark.guthmiller@wisconsin.gov)) or Bill McNee ([bill.mcnee@wisconsin.gov](mailto:bill.mcnee@wisconsin.gov)). Applicators should be contacted as soon as is practical.

A map of the 2009 trapping grid catches is available at: <http://da.ento.vt.edu/results3.html>. Eastern counties have not been trapped in several years because the pest has been well-established there for over a decade. Select 'traps' and keep clicking on a county to see the individual trap catch results.

## Emerald Ash Borer Update – Bill McNee

As of mid-January, EAB has been detected in Franklin, Green Bay, Kenosha, Newburg, Oak Creek and Victory. To date, infested ash trees have been found in Franklin, Newburg, Oak Creek and Victory. Infested trees have not been found near the two purple panel traps in Green Bay and Kenosha that trapped EAB adults last summer. A map of known detections and quarantined counties is available at: [http://www.emeraldashborer.wi.gov/articleassets/WI EAB Quarantines and Locations.pdf](http://www.emeraldashborer.wi.gov/articleassets/WI_EAB_Quarantines_and_Locations.pdf).

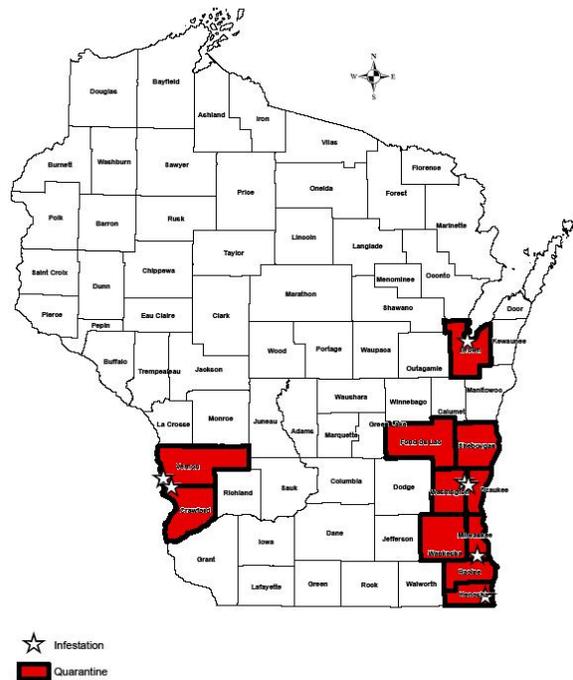
Oak Creek city crews recently removed 25 infested trees in order to determine the age of the city's infestation using dendrochronology. Samples from these trees were sent to a federal lab in Michigan and results should be available soon. Removing these trees will also help to reduce the EAB population in the infested area.

This month and next, staff from the Wisconsin Dept. of Agriculture, Trade and Consumer Protection (DATCP) will be conducting additional surveys for EAB near the known detection sites. Surveys will be primarily visual in nature, but there may be limited cutting and peeling of trees as well. DATCP will be receiving federal funding to continue using the purple panel traps to search for EAB in 2010. The 2010 trapping effort looks to be larger than last year. Trapping locations will be finalized in the coming months.

EAB University, a series of educational webinars, began on November 5 with an introduction to EAB. Visit their website at: [http://www.emeraldashborer.info/eab\\_university.cfm](http://www.emeraldashborer.info/eab_university.cfm). The next webinar will be held on Thursday, February 4 and will discuss wood utilization. These sessions are free and are archived for later viewing. Pre-registration is required to watch the live webinar.

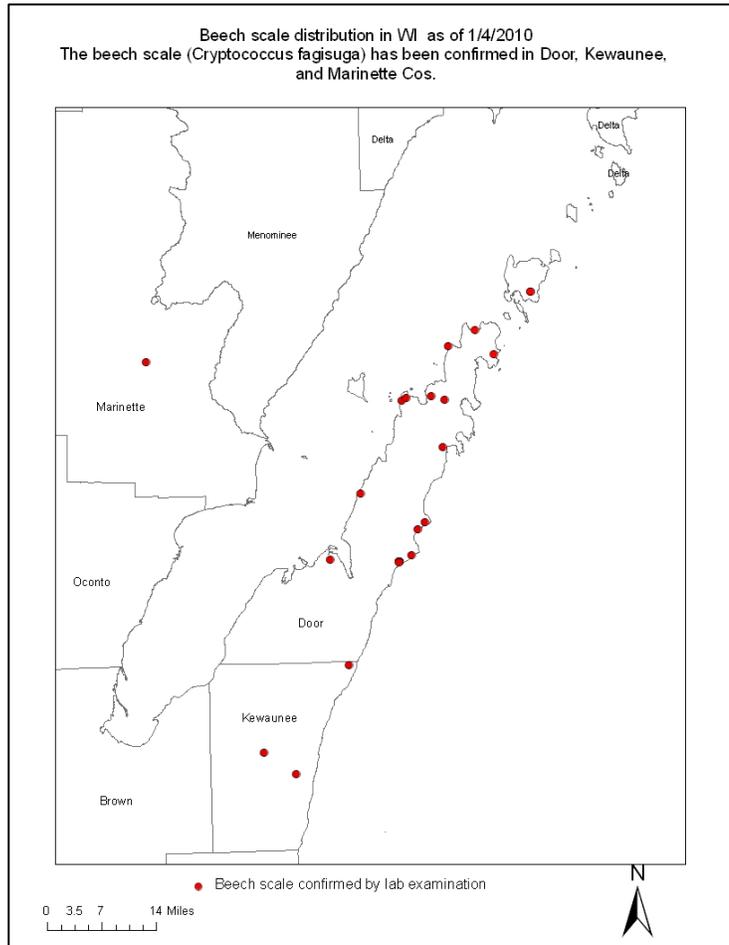
An updated, large-scale map of known EAB detections is available at: [http://www.emeraldashborer.info/files/MultiState\\_EABpos.pdf](http://www.emeraldashborer.info/files/MultiState_EABpos.pdf). Illinois recently released a complete

EAB Quarantine Counties & Approximate Locations of Infestation  
WI DATCP / September 2009



list of IL detections, available at: <http://www.agr.state.il.us/eab/data/200912165862.pdf>. As you read the list, be reminded that EAB was first detected in Illinois only 3 1/2 years ago.

## Beech Bark Disease in northeast Wisconsin – Bill McNee



Confirmed sites of the beech scale in Wisconsin. Currently the beech scale is found in Door, Kewaunee, and Marinette Cos.

Beech scale and beech bark disease were detected in Door County last August. Surveys found a widespread but very low population of beech scale across most of the county, but high scale populations and the disease were only seen near the original detection site east of Sturgeon Bay. Samples taken in December also detected low populations of beech scale in Kewaunee and Marinette Counties. Survey work will continue in other counties in 2010. Beech scale and beech bark disease have not been detected in southeast Wisconsin, where American beech (*Fagus grandifolia*) is also present.



Woolly wax of beech scale



Beech scale with woolly wax removed. Photo credit: Joseph O'Brien, USDA Forest Service, Bugwood.org

Beech bark disease is due to a combination of a scale insect (beech scale, *Cryptococcus fagisuga*) and several *Nectria* fungi which enter the tree through the scale's feeding wounds. Typically, it takes several years for scale populations to build up and cover trees with a white 'wool' and several more years before trees show disease symptoms. Trees decline and die within a few years; most mature beech will either die or be heavily impacted by this disease.

Information on beech bark disease is available at: <http://www.dnr.wi.gov/forestry/FH/exotics/exotic-bb.htm>.

## **Banded Elm Bark Beetle detected in Wisconsin-Mark Guthmiller**



Samples of suspected banded elm bark beetle, collected from the Dane County township of Pleasant Springs, were confirmed positive by USDA APHIS on December 19<sup>th</sup>, 2009. Banded elm bark beetle, *Scolytus schevyrewi*, is an exotic beetle native to northern China, central Asia, and Russia. The host range in the U.S. appears to be American, Siberian, English and rock elm. This is the first confirmed report of this species in Wisconsin. It has previously been confirmed in many other states in the U.S. and it was anticipated that it would be detected here in Wisconsin. This beetle infestation appears to be at low levels and intermixed with another

common exotic elm bark beetle, the smaller European elm bark beetle, *Scolytus multistriatus*. A few western states have observed drought stressed elm trees killed by outbreaks of this beetle. It is also suspected to possibly vector the Dutch elm disease fungus, *Ophiostoma novo-ulmi*. Management would include sanitation by removing and destroying infested trees. Infested material should be debarked, chipped, or burned. Old dead trees with bark off are no longer a threat. Avoid moving firewood and cover freshly cut elm firewood with plastic sealed at the bottom with dirt. This will prevent emergence from infested firewood. During a prolonged dry spell watering yard trees is recommended to help the tree fend off invasion. For more information see the pest alert:

[http://na.fs.fed.us/pubs/palerts/banded\\_elm\\_beetle/beb.pdf](http://na.fs.fed.us/pubs/palerts/banded_elm_beetle/beb.pdf)

### **About the newsletter**

“Southern Region Forest Health Update” is an informal newsletter created by the Wisconsin DNR, Forest Health Protection Unit. The purpose of this newsletter is to provide foresters in the Southern Region with regional up-to-date forest health information. This newsletter will be issued monthly during the growing season and on an irregular basis during winter as topics come up. We welcome your comments/suggestions on this newsletter and your reports on forest health problems you observed in your area. If you would like to subscribe to this newsletter, please contact Kyoko Scanlon at [Kyoko.Scanlon@wisconsin.gov](mailto:Kyoko.Scanlon@wisconsin.gov).

Previous issues of this update and regional forest health updates from NER, NOR and WCR, are available from the WI DNR Forestry website at <http://dnr.wi.gov/forestry/FH/intheNews/>. Articles were written by Kyoko Scanlon, unless otherwise noted.

### **Please report to us**

We appreciate reports of forest health problems in your areas. Please contact the following staff for regional forest health problems/questions. Thank you.

### **Forest health and gypsy moth assistance staffing changes - Mark Guthmiller**

Some temporary changes have been made to forest health staff assistance. For forest health assistance in southern Wisconsin, please check the list below of staff and forest health concerns they can assist you with. This would be a good page to print out and keep for future reference.

**SOR Forest Health Assistance**  
**Wisconsin DNR, Forest Health Protection Unit**  
**September 2009 to June 2010**

**Contacts for DNR staff, municipal foresters, and forestry cooperators**

**For general forest health issues**

Jane Cummings-Carlson (northern part of SER Team area)	608-275-3273
Kyoko Scanlon (southern part of SER Team area, and SCR)	608-275-3275

**For municipal level urban forest health issues (other than Gypsy moth and EAB)**

Mark Guthmiller (SCR and SER Team area)	608-275-3223
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**For gypsy moth**

Mark Guthmiller (SCR area)	608-275-3223
Bill McNee (SER Team area)	920-662-5430
Andrea Diss-Torrance (Statewide issues)	608-264-9247

**For emerald ash borer**

Mark Guthmiller (SCR Team areas)	608-275-3223
Bill McNee (SER Team area)	920-662-5430

**Direct public inquiries regarding yard tree concerns to UW county or state extension offices or:**

Emerald ash borer hotline	1-800-462-2803
Emerald ash borer e-mail	DATCPEmeraldAshBorer@wi.gov
Gypsy moth hotline	1-800-642-MOTH

**Additional Program Web-based Resources:**

Forest Health web site: <http://www.dnr.state.wi.us/org/land/forestry/FH/>  
 Gypsy Moth web site: <http://www.gypsymoth.wi.gov>  
 Emerald ash borer web site: <http://www.emeraldashborer.wi.gov/>

**SCR Team Counties:** Columbia, Dane, Dodge, Grant, Green, Iowa, Lafayette, Richland, Rock and Sauk

**SER Team Counties:** Kenosha(S), Milwaukee(S), Ozaukee(N), Racine(S), Sheboygan(N), Walworth(S), Washington(N), and Waukesha (N) (S=Southern Counties serviced by Kyoko Scanlon and N=Northern counties serviced by Jane Cummings-Carlson)