

New Kid in Town

Agrilus smaragdifrons

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Experiment Station

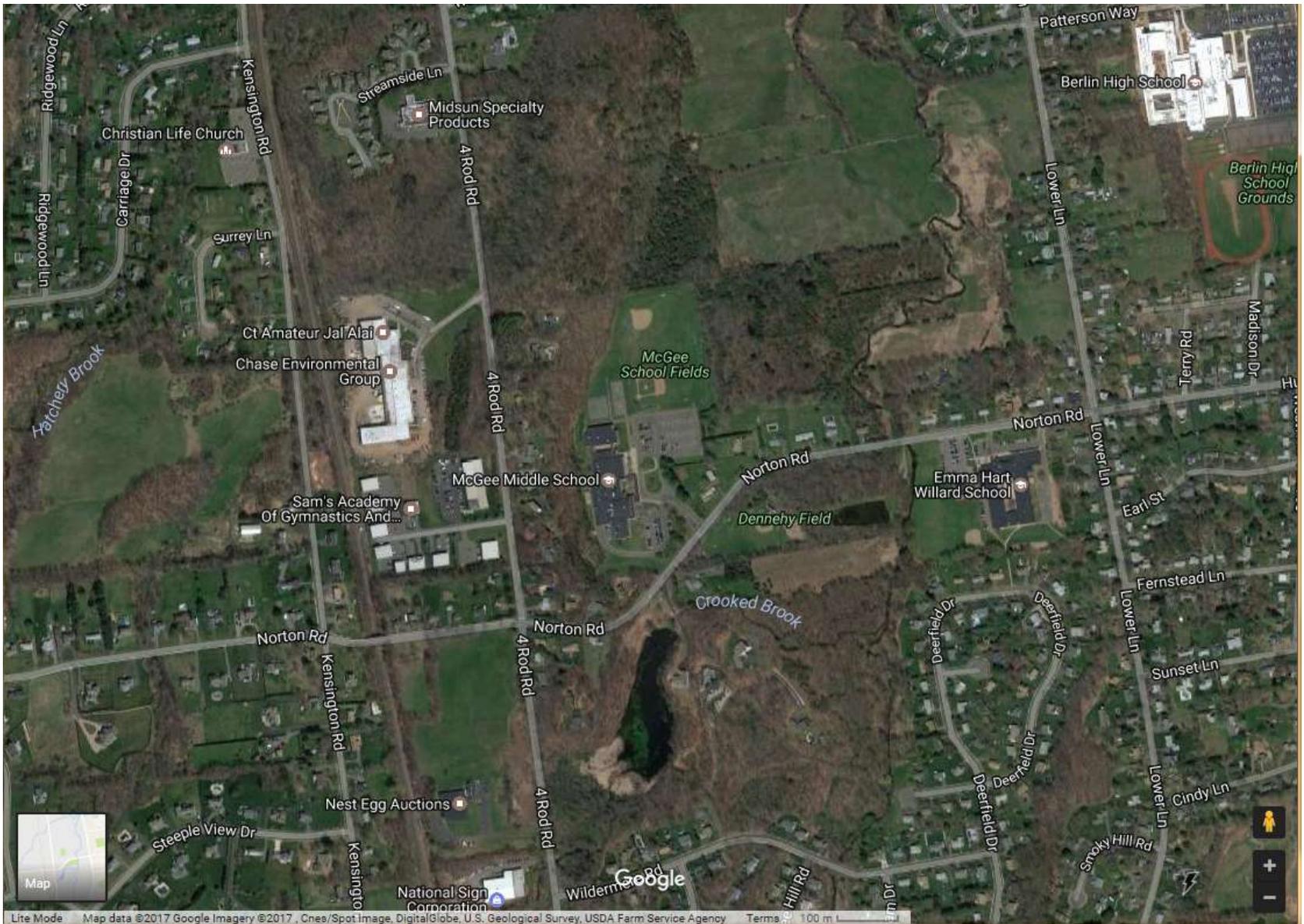
Cerceris fumipennis



How to Get Beetles

- Hunt – use net to intercept wasps
- Gather- any beetles on ground





Lite Mode Map data ©2017 Google Imagery ©2017, Cnes/Spot Image, DigitalGlobe, U.S. Geological Survey, USDA Farm Service Agency Terms 100 m

Agrilus smaragdifrons

- Asian species
- Collected with *Cerceris* in Berlin, CT
- July 2015
- Found on purple traps in NJ in 2016
- Found on host in PA in 2016
- Probably wide spread in the North-East US



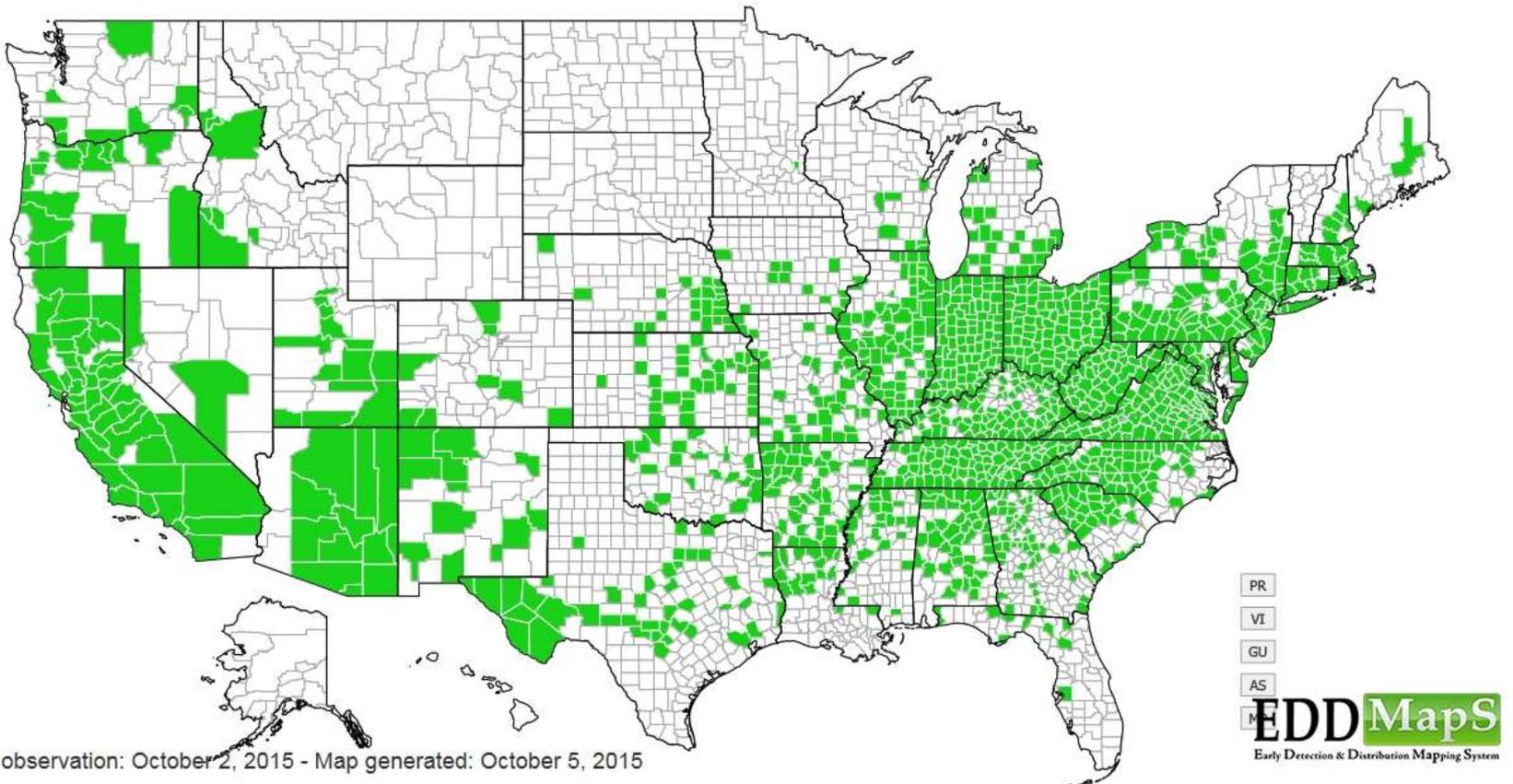
Tree of Heaven

- Causes damage to sewers and structures
- Vigorous growing tree and prolific seeder
- Establishes dense stands that push out natives.
- Contains chemicals, including ailanthone, that have been found to have strong allelopathic (herbicidal) effects on the growth of other plants which help it establish and spread.

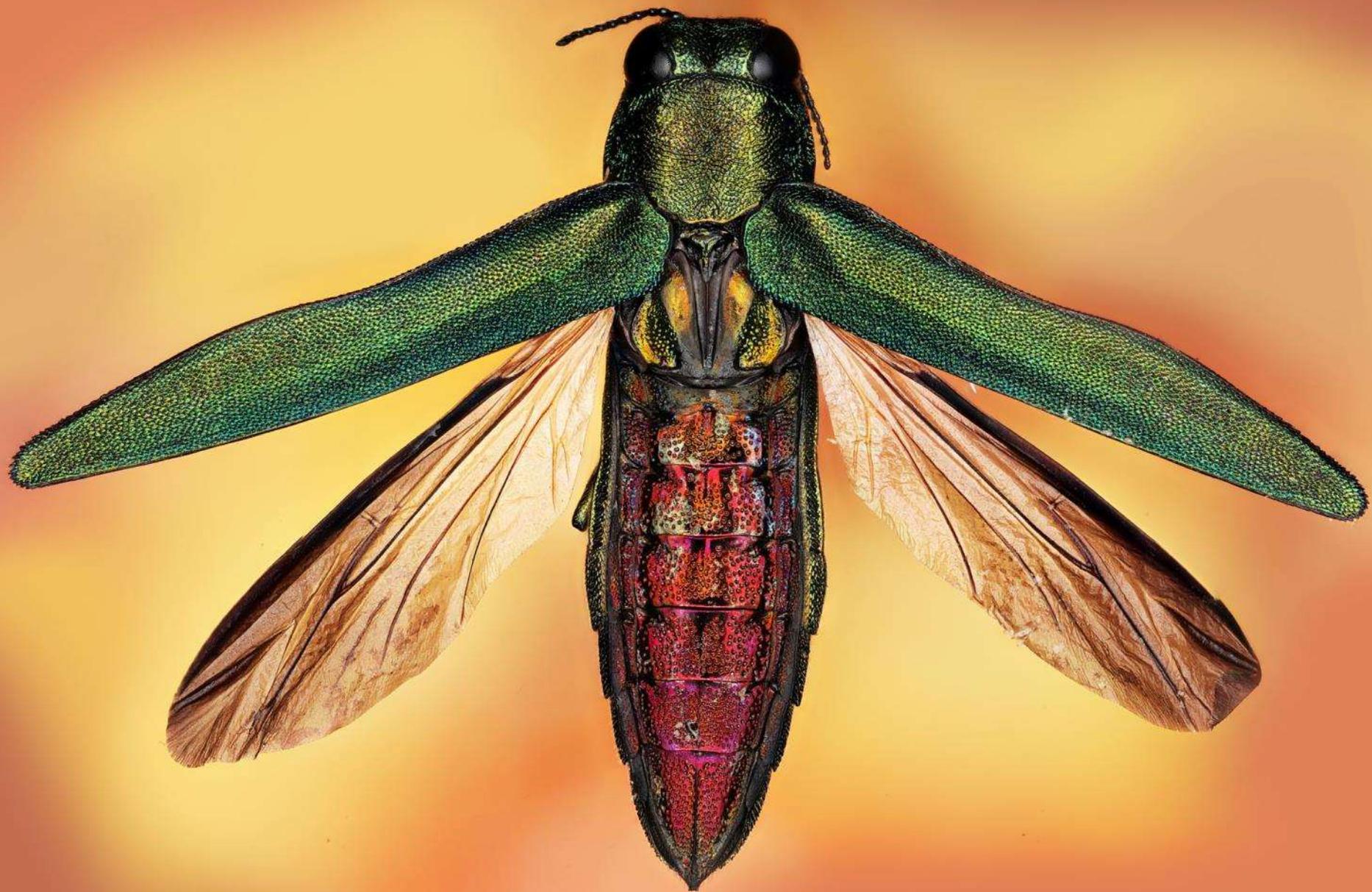


Tree of Heaven Distribution

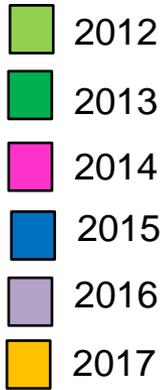
Ailanthus altissima



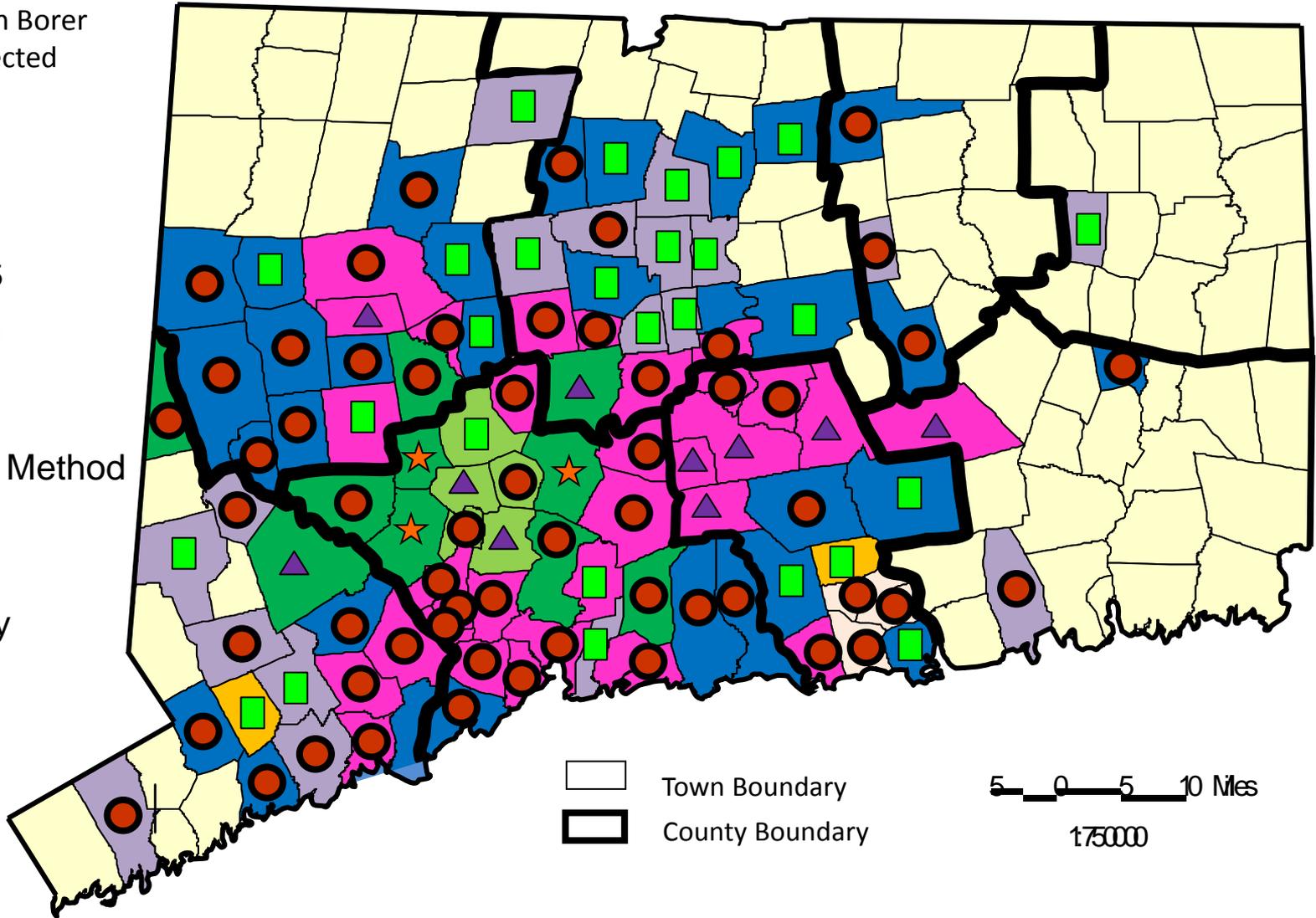
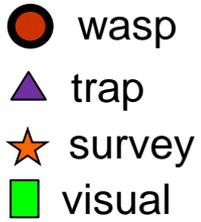
Last observation: October 2, 2015 - Map generated: October 5, 2015



Emerald Ash Borer
First Detected



1st Detection Method

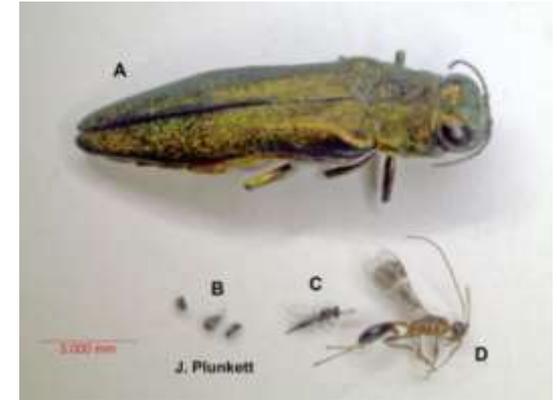


Updated 3/16/2016

Wolcott January 2017



2016 EAB Biocontrol



Oobius agrili

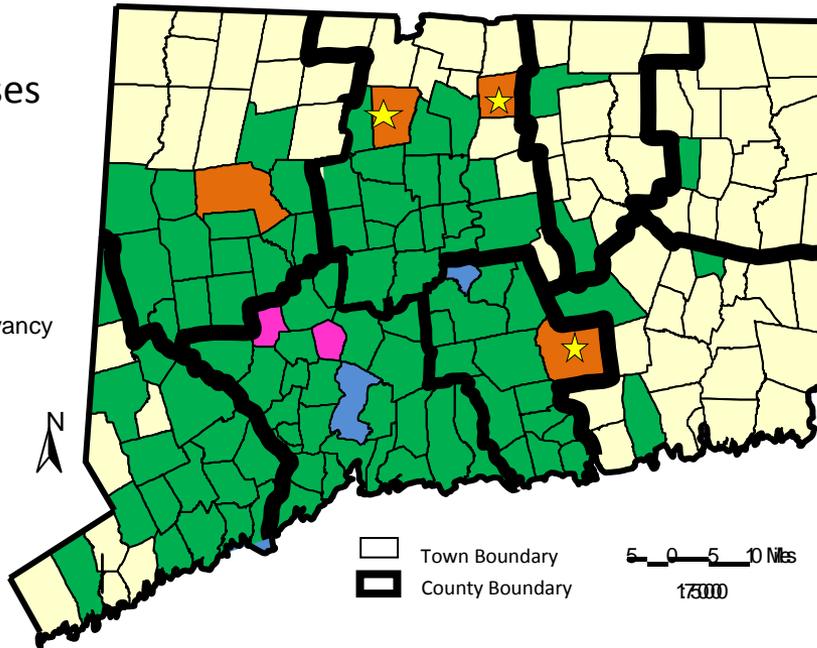
Spathius galinae

Tetrastichus planipennis

Parasitoid Releases

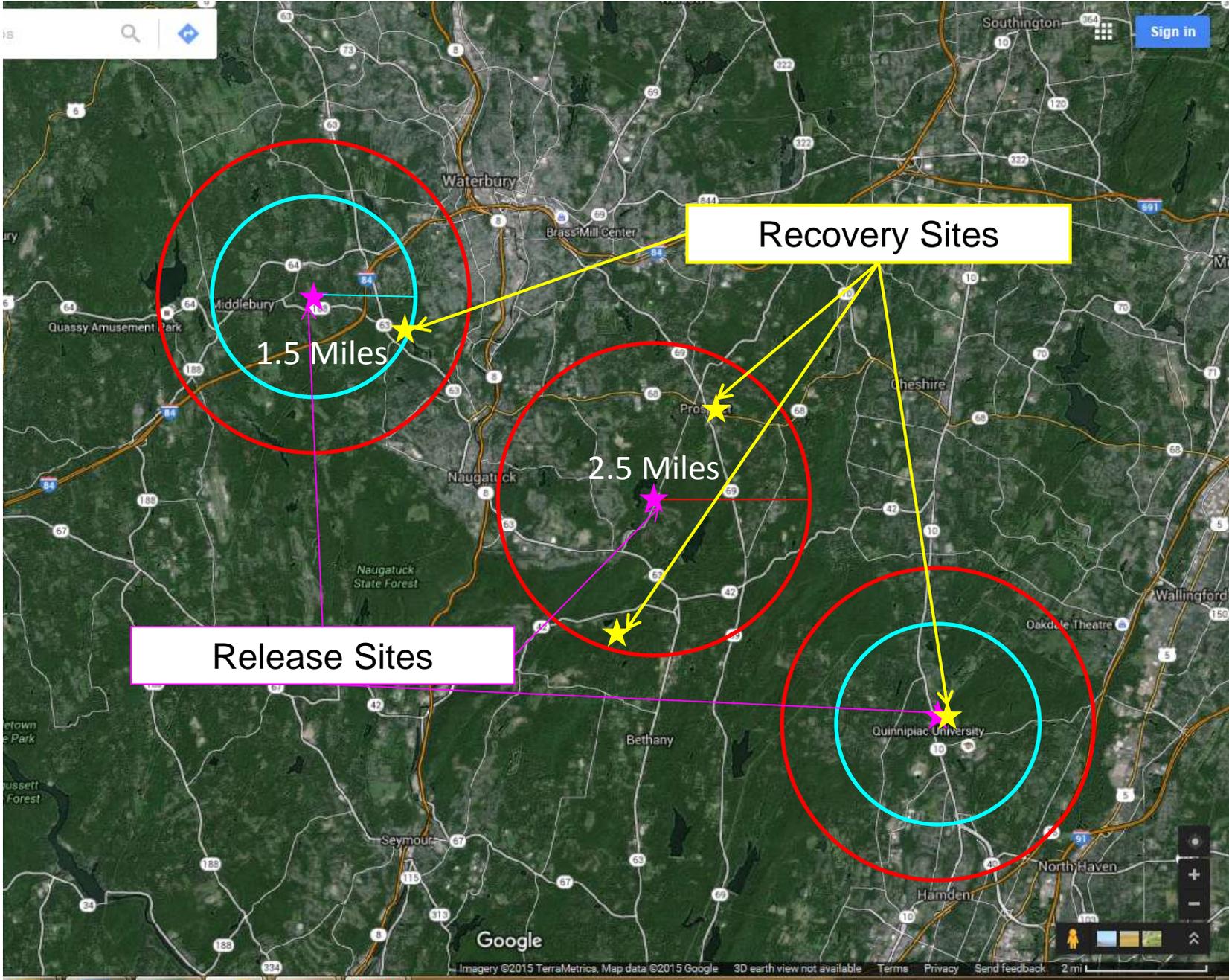
- 2013 & 2014
- 2014 & 2015
- 2015 & 2016
- ★ Releases done by The Nature Conservancy

EAB detected



Town Boundary
County Boundary

0 5 10 Miles
1:75,000



Recovery Sites

Release Sites

1.5 Miles

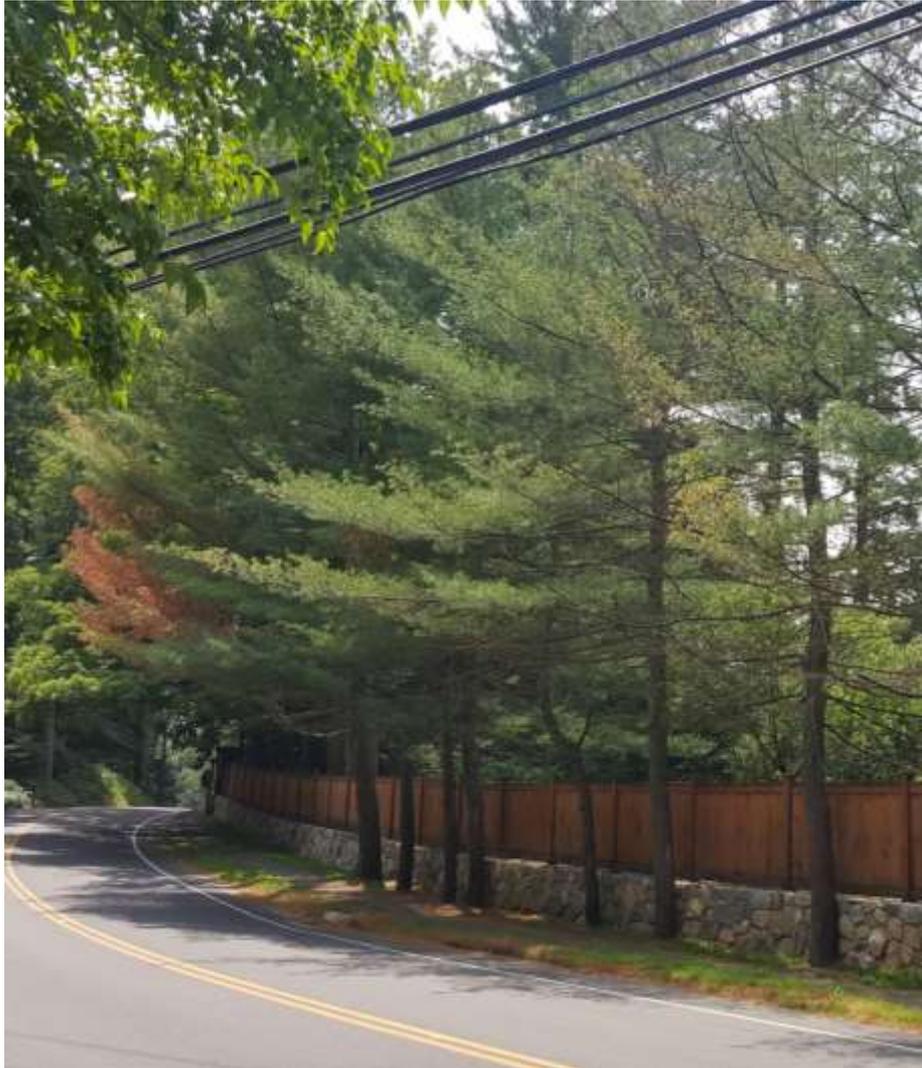
2.5 Miles

Southern pine beetle (SPB)

Dendroctonus frontalis



Signs and Symptoms of Southern Pine Beetle



Signs and Symptoms of Southern Pine Beetle



Signs and Symptoms of Southern Pine Beetle



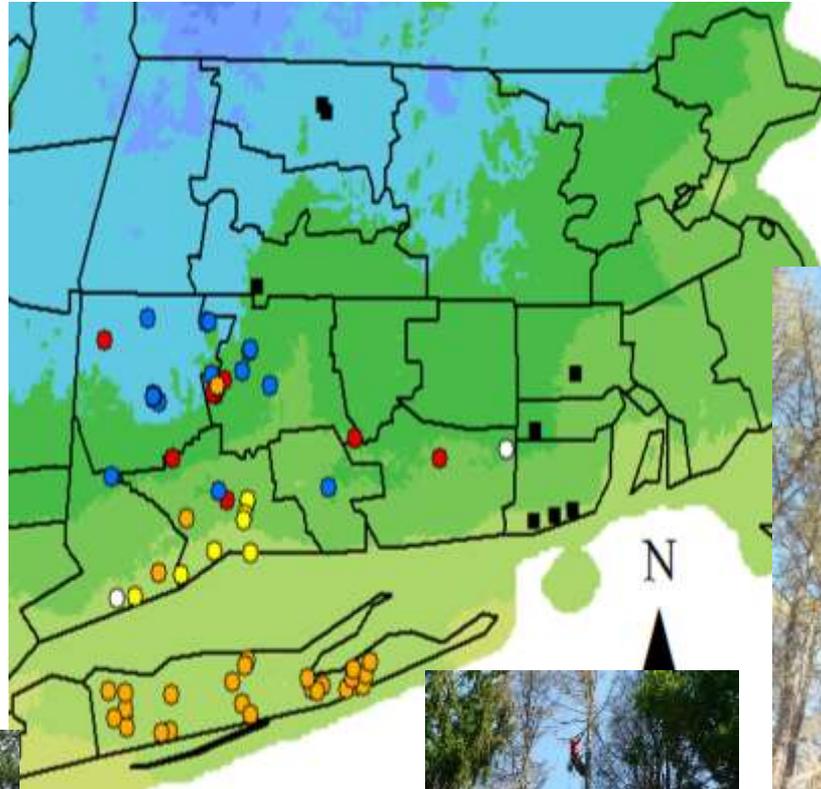
Signs and Symptoms of Southern Pine Beetle



Southern Pine Beetle Distribution and Hosts Connecticut 2015



Scots Pine,
Hamden CT



Red Pine,
Wharton Brook
State Park



Pitch Pine,
North Haven CT



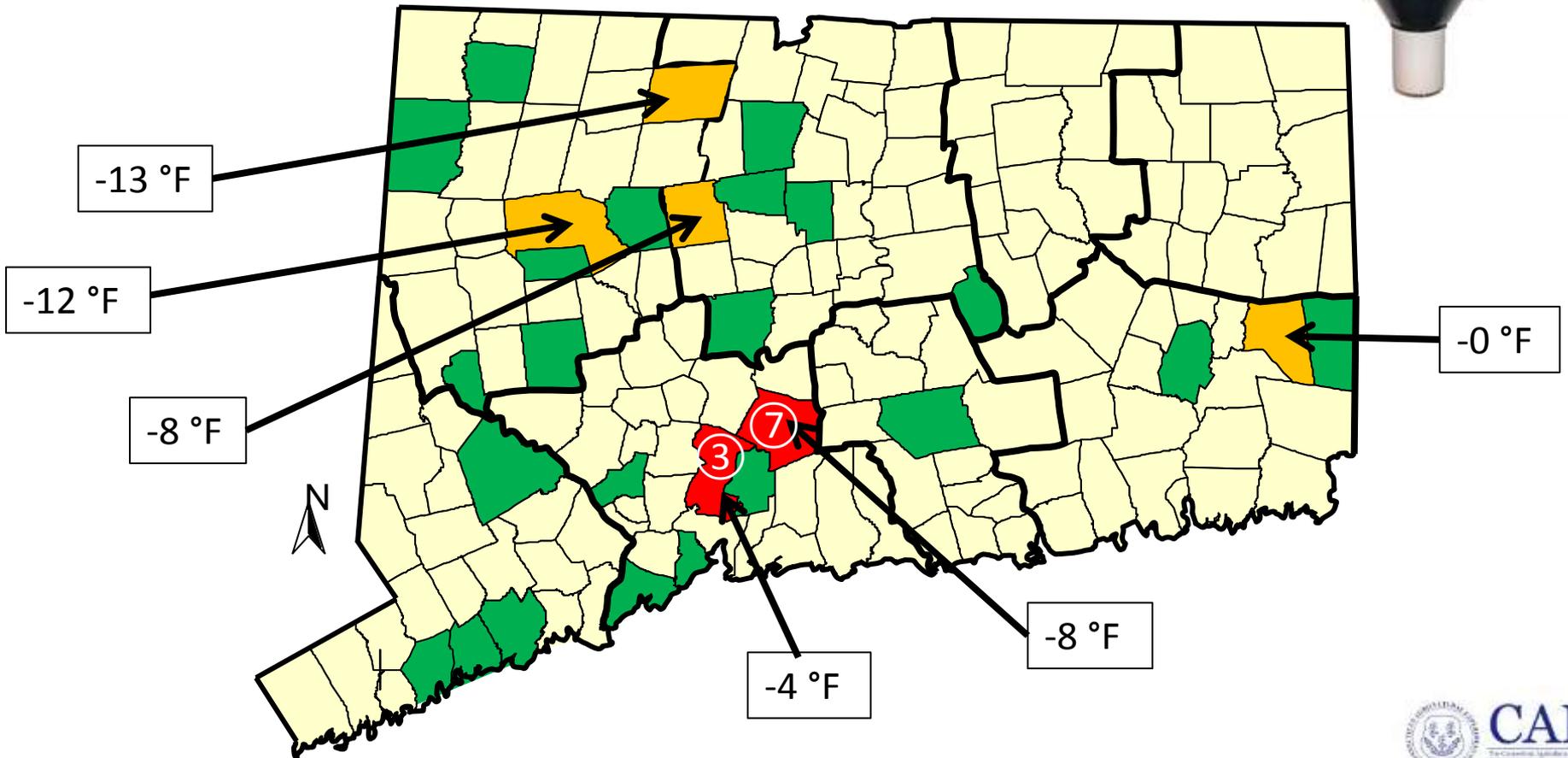
White Pine, Westport CT



Norway Spruce, North Haven CT

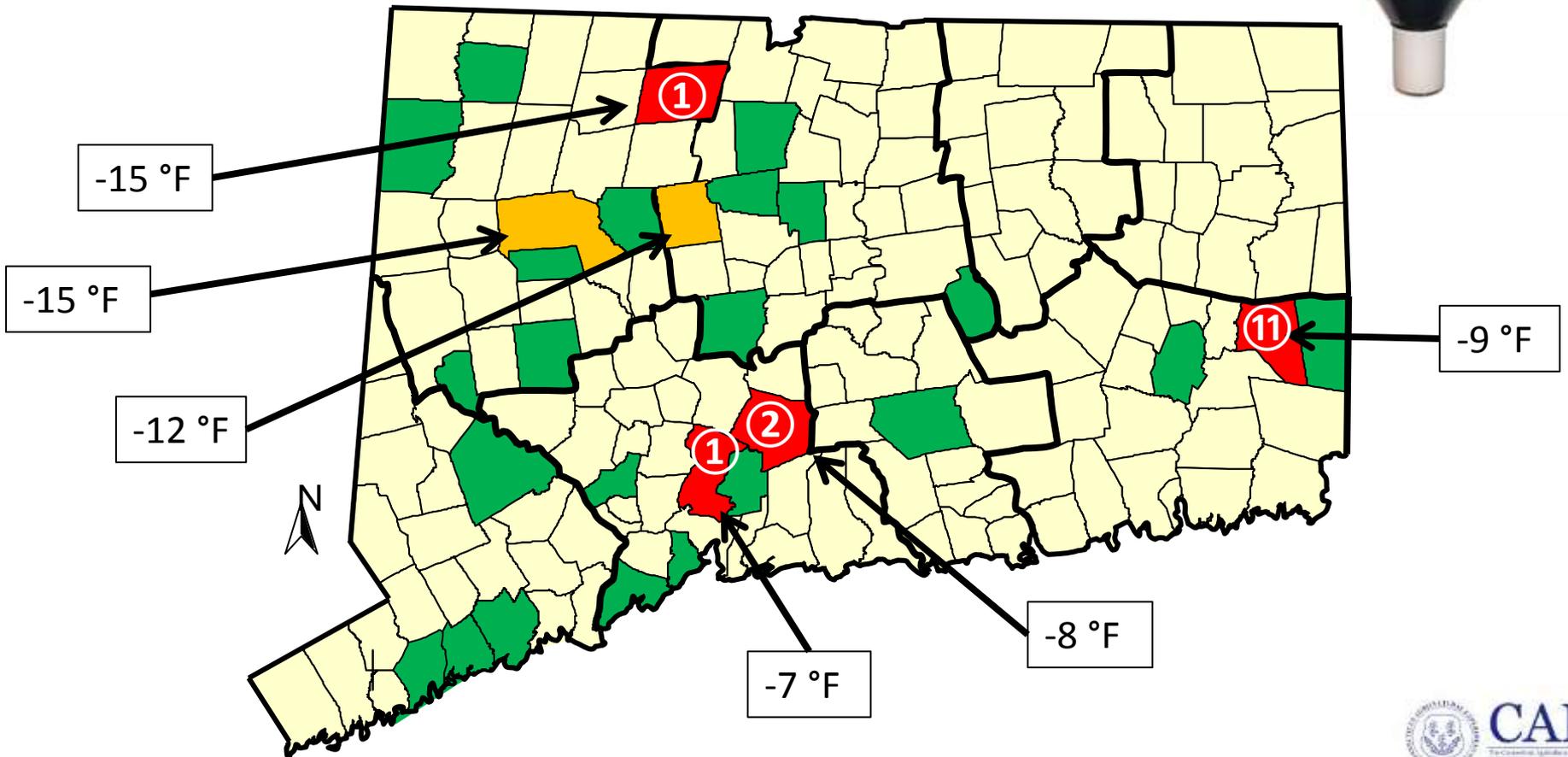
Trapping 2015

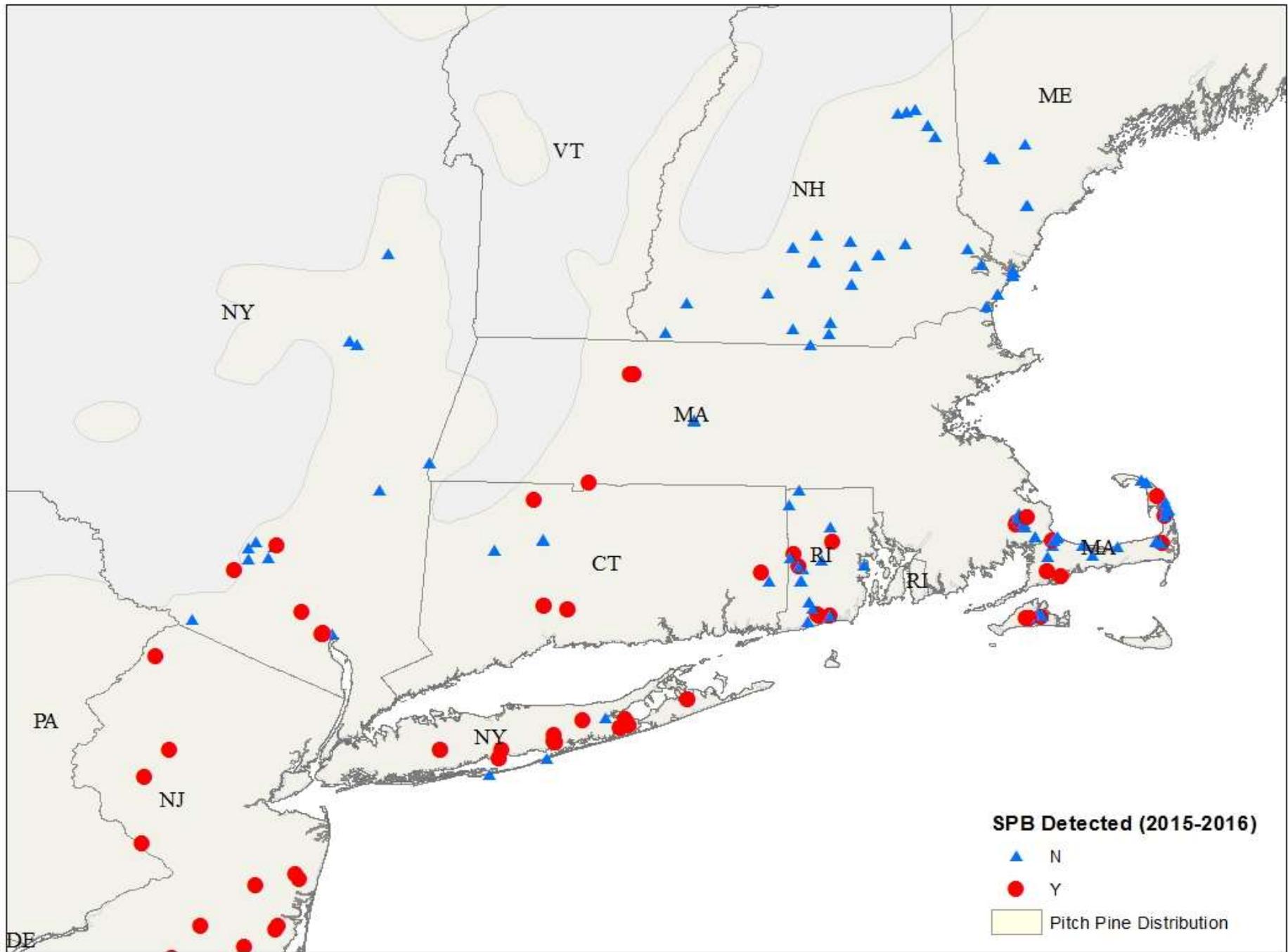
- Towns where attacked trees were detected
- Towns with Traps
- Town with SPB trapped summer 2015



Trapping 2016

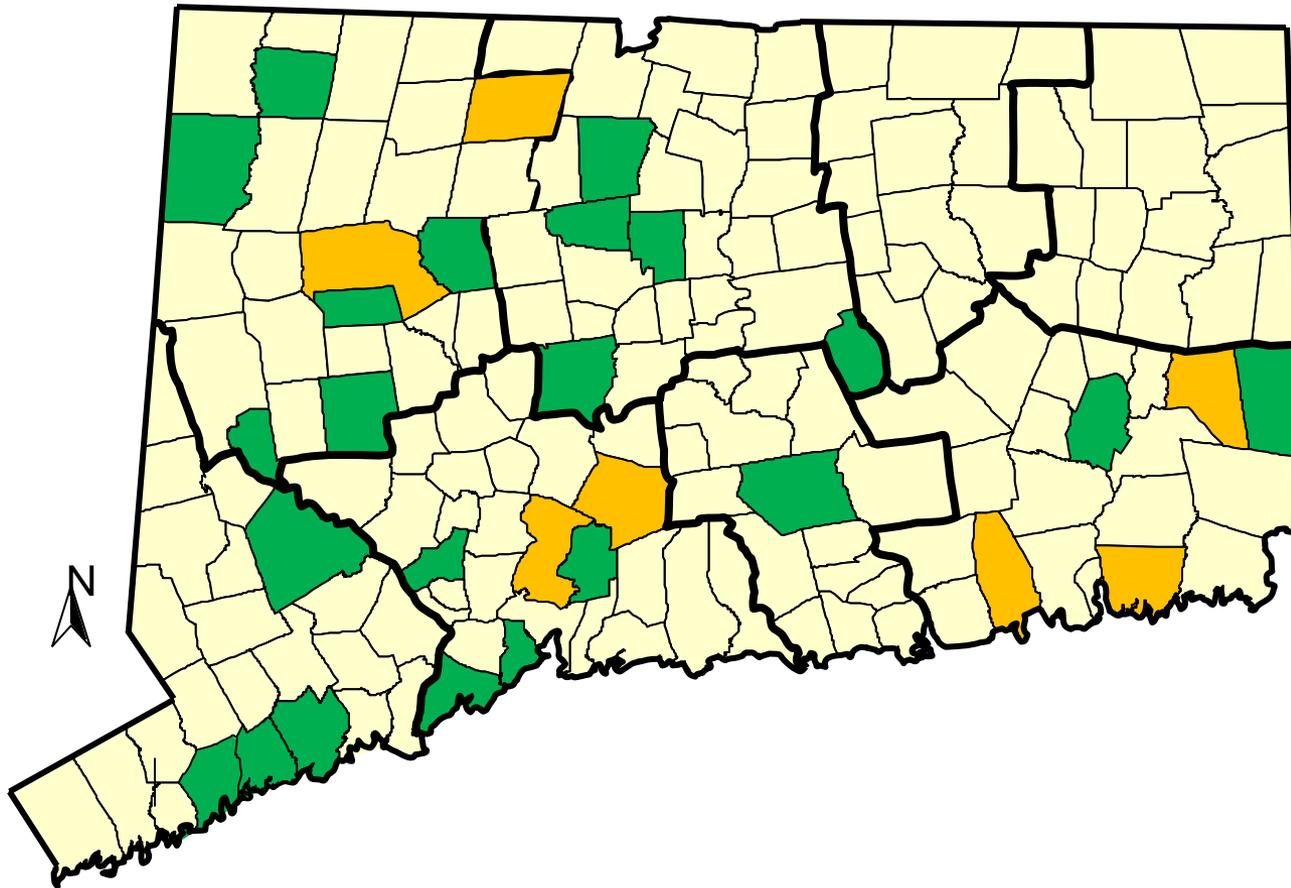
- Towns where attacked trees were detected
- Towns with Traps
- Town with SPB trapped summer 2016





Trapping 2017

- Towns where attacked trees were detected
- Towns with Traps



Acknowledgments



- Mioara Scott



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