

CT Forest Conditions 2019: Some New Players

Aerial Survey 2019:

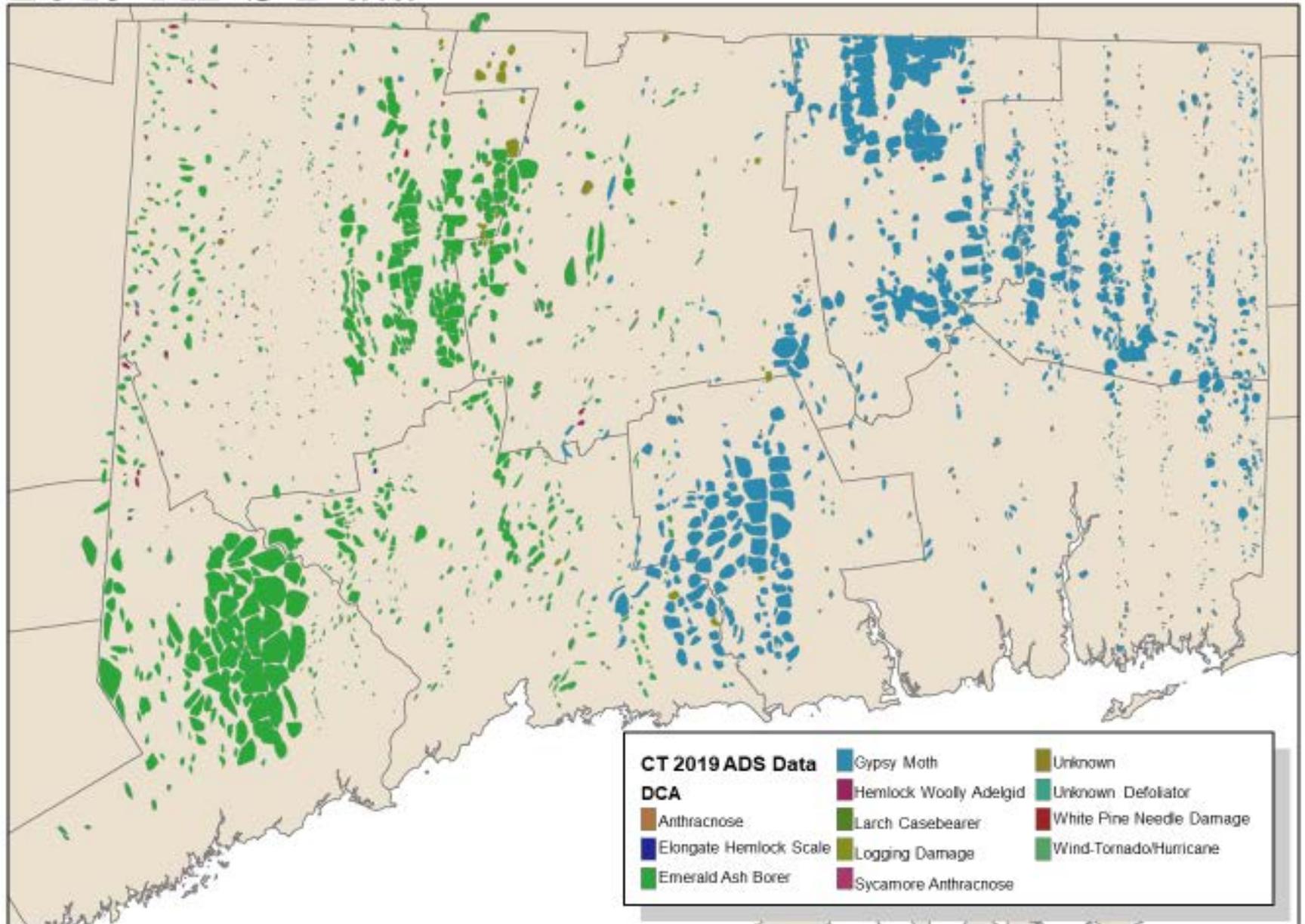
- **Mortality due to gypsy moth + drought**
 - Worse in eastern half of the state
- **Mortality due to EAB**
 - Worse in western half of the state







2019 ADS Data



| DCA | Acres |
|-----------------------------|-----------------|
| EAB | 175749.6 |
| Gypsy Moth | 166636.2 |
| Logging | 6374.3 |
| HWA | 1482.3 |
| Unk. Defoliator | 1217.5 |
| EHS | 416.4 |
| WPND | 316.1 |
| Unknown | 245.2 |
| Wind events | 132.0 |
| Larch Case Bearer | 48.1 |
| Sycamore anthracnose | 45.3 |
| Anthracnose | 44.5 |
| EAB Mortality | 175475.1 |
| GM Mortality | 153983.0 |

Aerial survey oddities:

- **Greater mortality due to EAB than to GM**
- **Discoloration observed on hardwoods due to shot hole borer (ground checked)**
- **Discoloration observed on maples due to excessive seed production (ground checked)**



The Ultimate Aerial Survey

- **Feb. 14, 1990: Voyager 1 was leaving the solar system, and looked back**
- **0.12 pixel wide portrait of Earth**
- **3.7 billion miles from the sun**

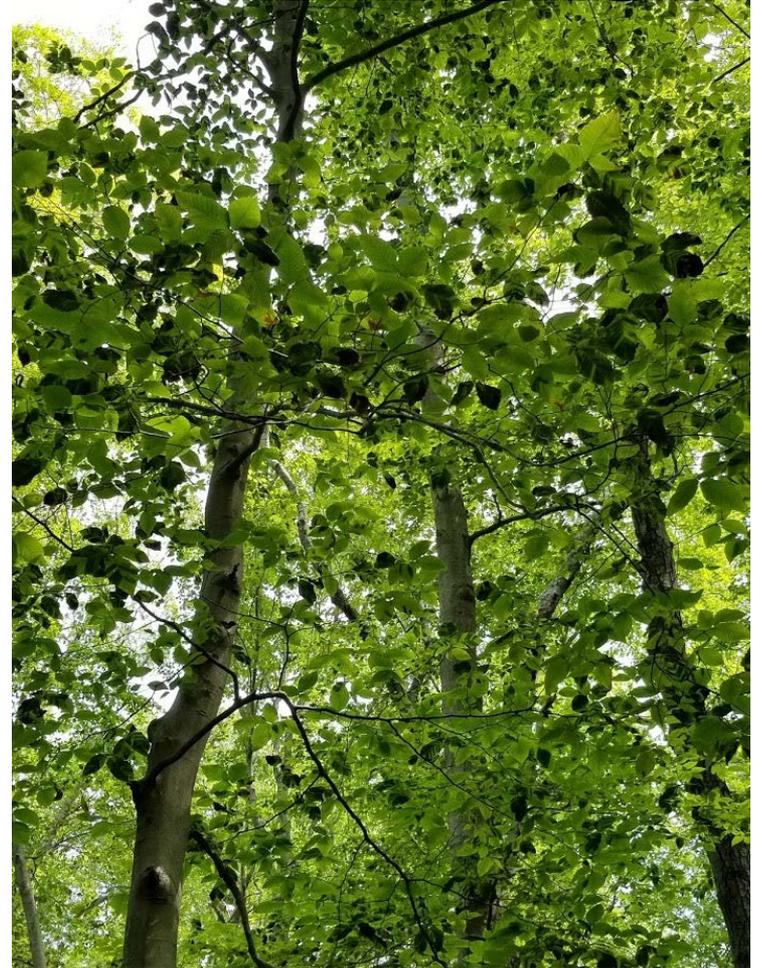
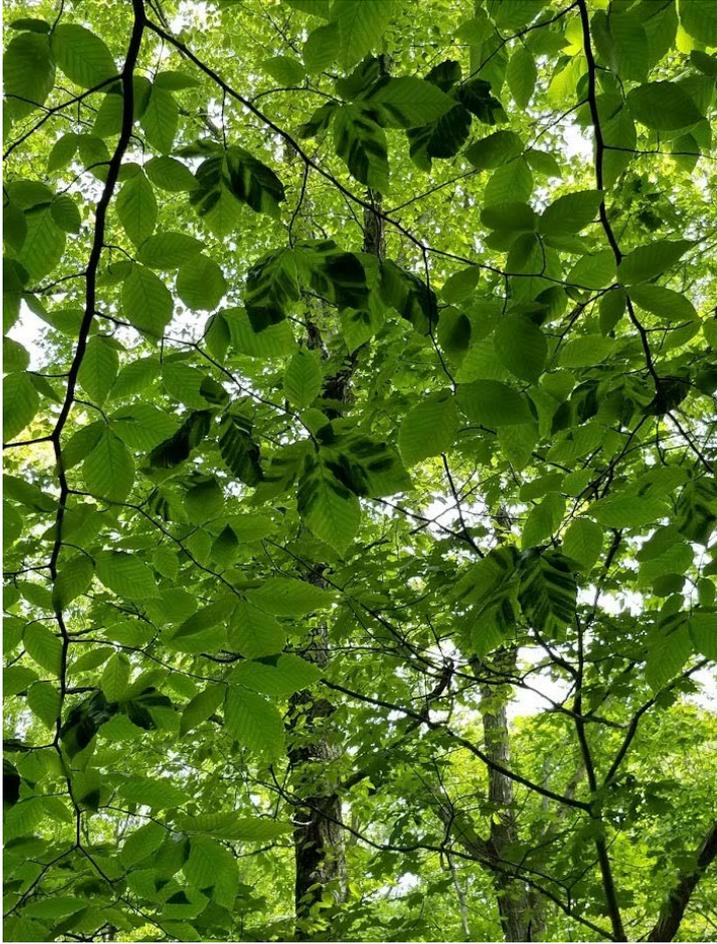


Beech Leaf Disease:

- Previously found in NY and OH
- Reported by a homeowner in Stamford
- Late May 2019
- Nematode confirmed by official PPQ identifiers in early June 2019
- *Litylenchus crenatae*



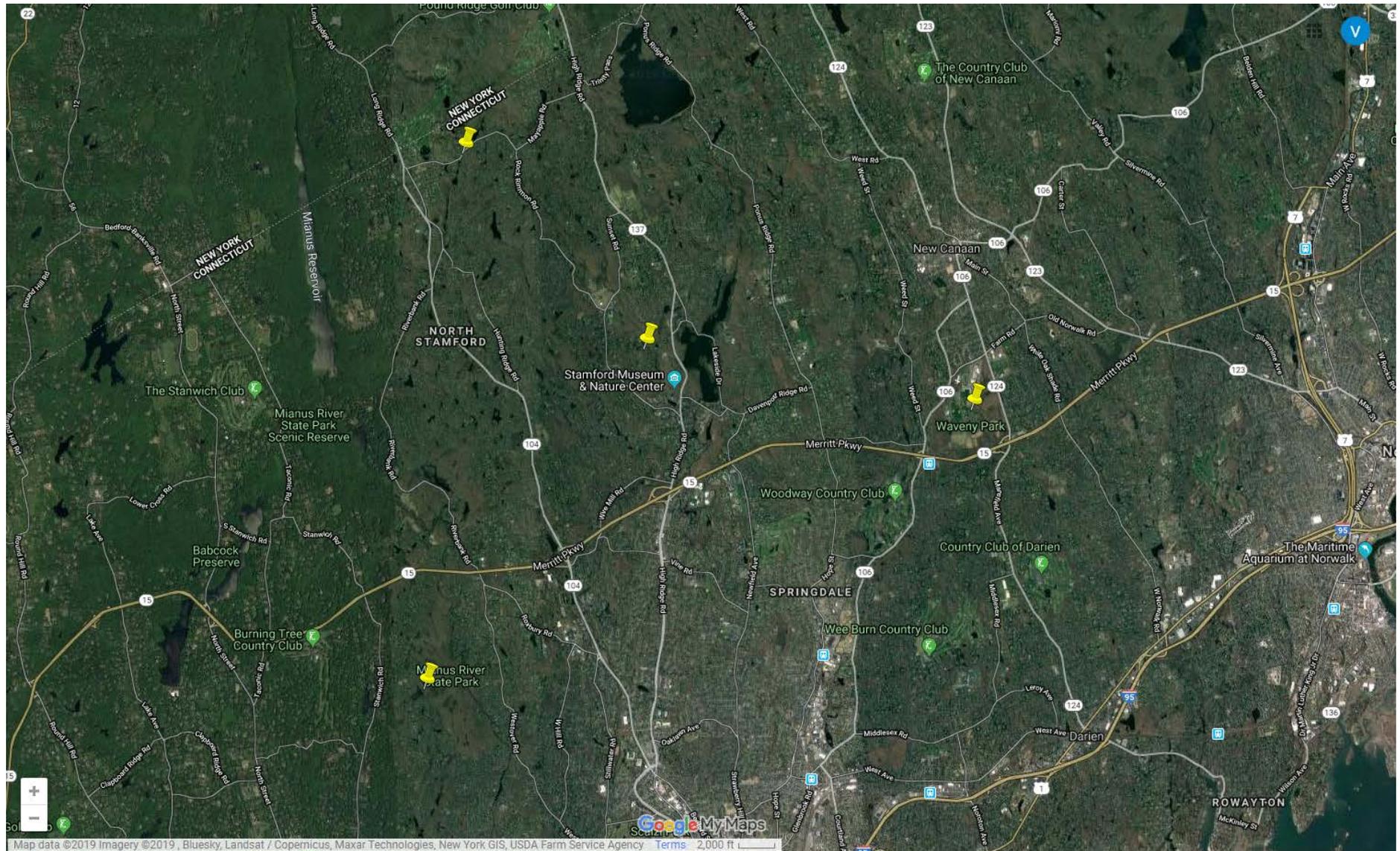
BLD Stamford June 2019:





BLD Detections Fairfield County CT 2019

--nematodes detected in all cases



Beech Leaf Disease FAQ's:

- **Where did it come from?**
- **How widespread is it?**
- **What are the consequences for landowners?**
- **What are the management options?**

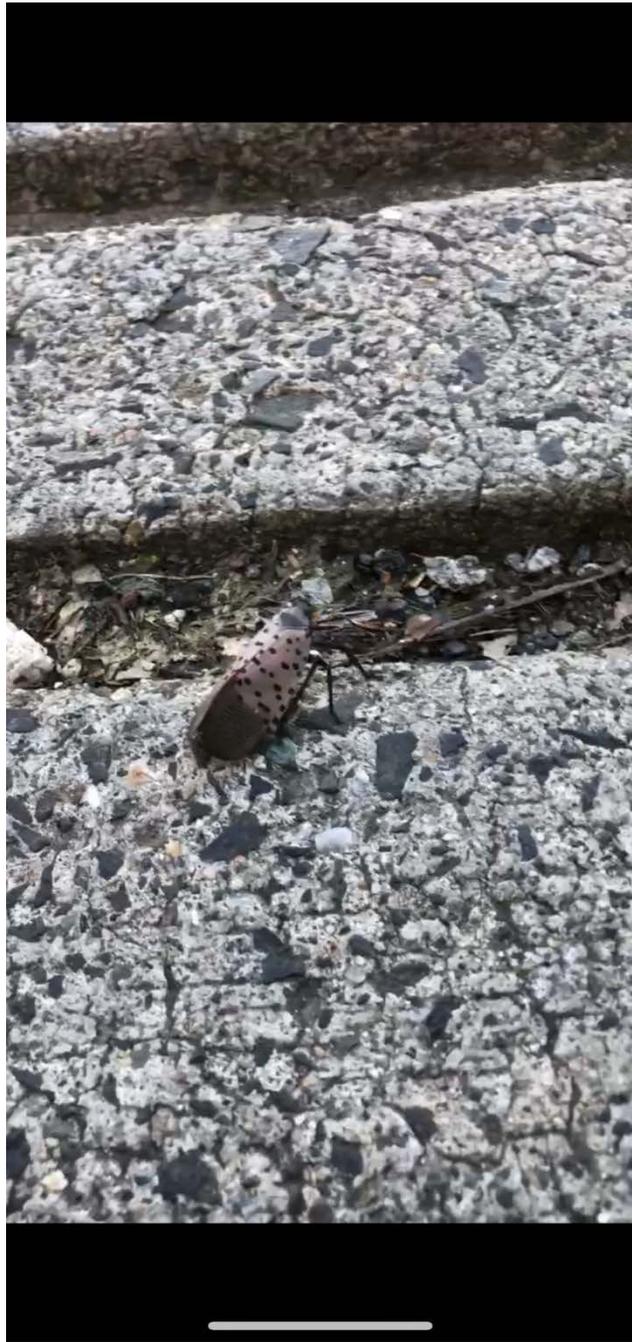
Spotted lanternfly:

- Currently found in PA, MD, DE, and VA
- Originally from Asia
- Favored host is *Ailanthus* (tree of heaven)...
- ...but is a pest of grape, hops, and many other crops...
- ...and a nuisance pest (swarming behavior, excrement)



CT SLF 2019:

- **CT resident photographed it at a gas station in Southbury CT**
- **Posted photo and video to Facebook**
- **Word got around...**
- **PPQ was able to get name of the poster, the original photo and video, and the location**
- **Survey and outreach response**



CT SLF 2019 to date:

- CAES press release
- Numerous TV/newspaper interviews
- Survey of 102 locations with 715 *Ailanthus* trees
- Contacts with local officials, DOT, Parks Department, library, retirement community, etc.
- Trap deployed near original sighting



Reported Sighting

Reported Sighting

No Allantoxin Survey Data Locations

National Grid

Inspection Date

- 10/4/2019-10/17/2019
- 10/18/2019
- 10/21/2019

Data Source: <http://services1.arcgis.com/UR23KwaTDnUKJG/Tier0/stories3d/service/04a235a6288c41892ebb37c4b6a48f1?arcgis=viewer>

Date Created: 10/23/2019

USDA, APHIS, FPO
97 Barnes Road, Unit 200
Wallingford, CT 06492



0 1 2 Kilometers

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CT SLF next steps:

- ReportSLF@ct.gov;
CAES.stateEntomologist@ct.gov
- Survey pest in CAPS, PPA surveys
- Considerable outreach with posters, fact sheets, scraper cards, etc.
- Talks to garden clubs, CNLA, CTPA, etc.
- Wait and see...



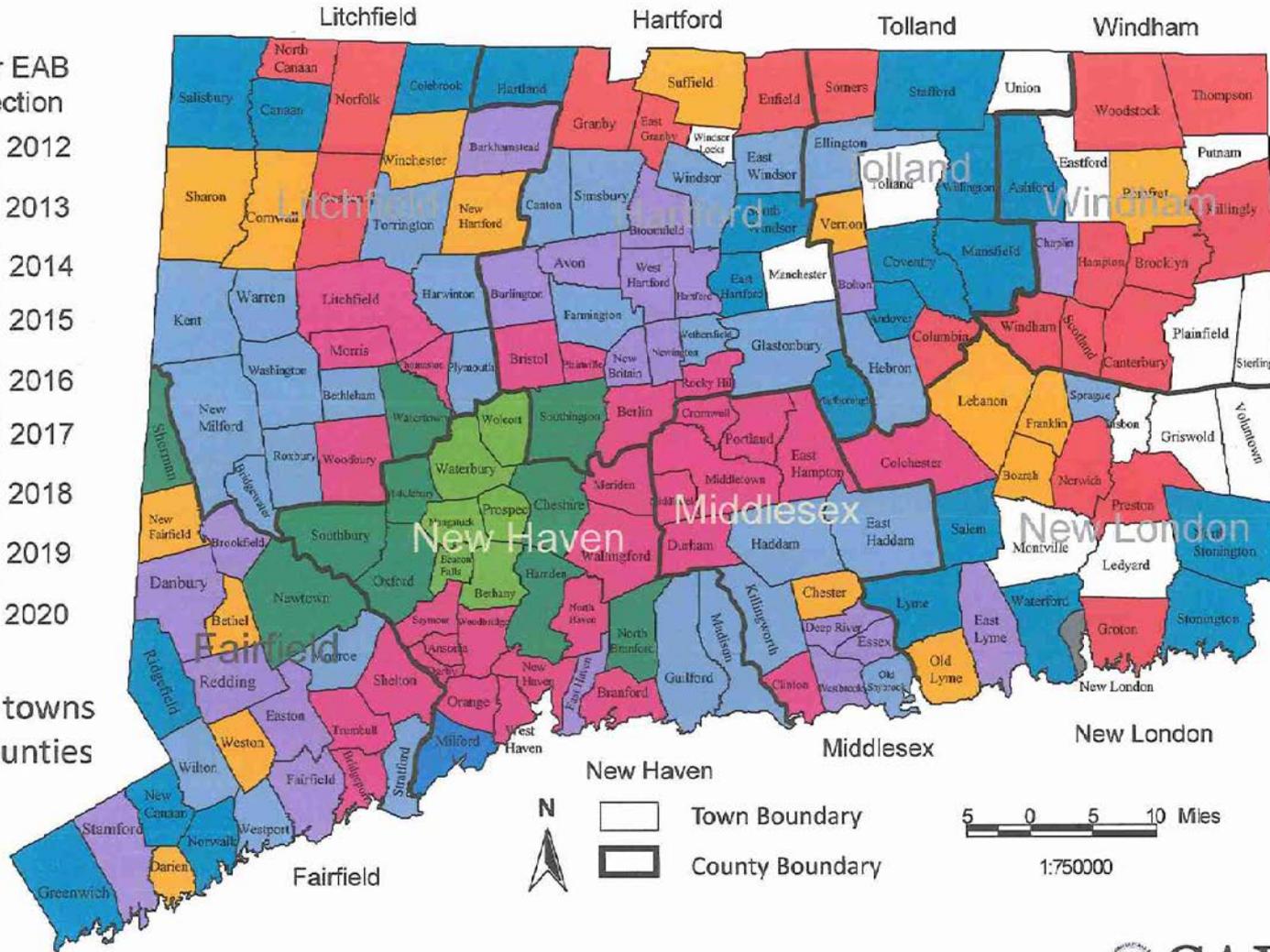
EAB in CT:

- **First detection in 2012 in New Haven County**
- ***Cerceris* as detection method**
- **Now is statewide**
- **Considerable mortality in western CT**

Year EAB detection



156 towns
8 counties



January 27, 2020

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