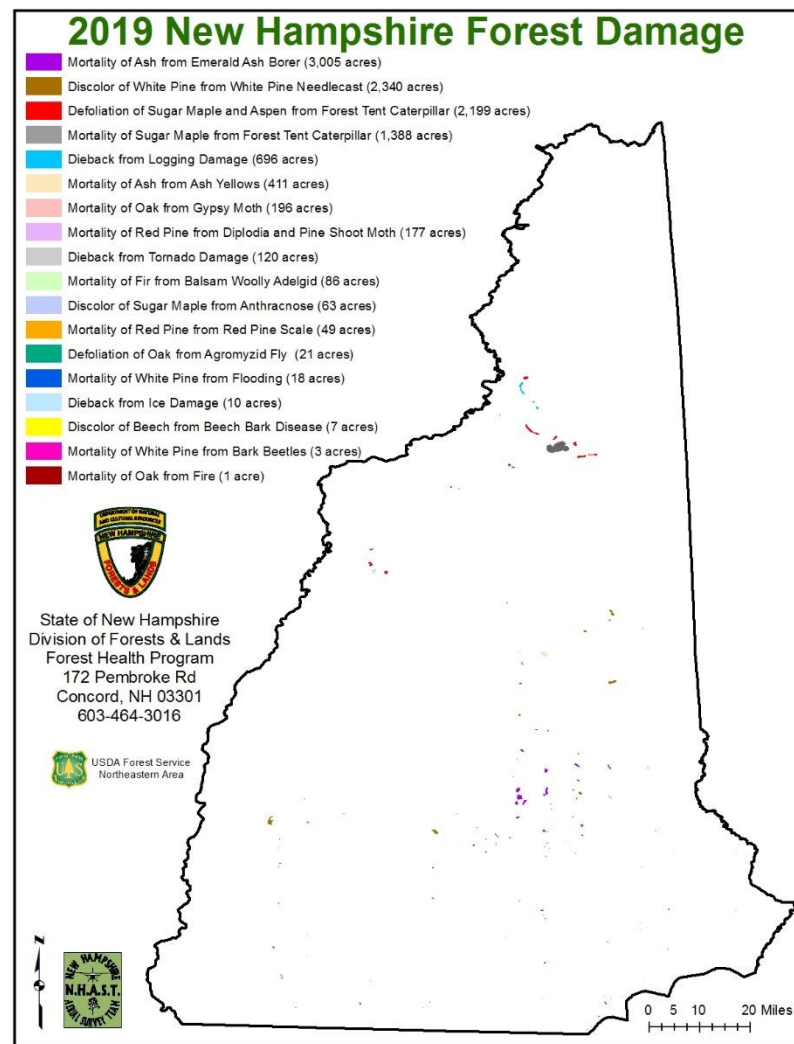


NH FOREST HEALTH UPDATE

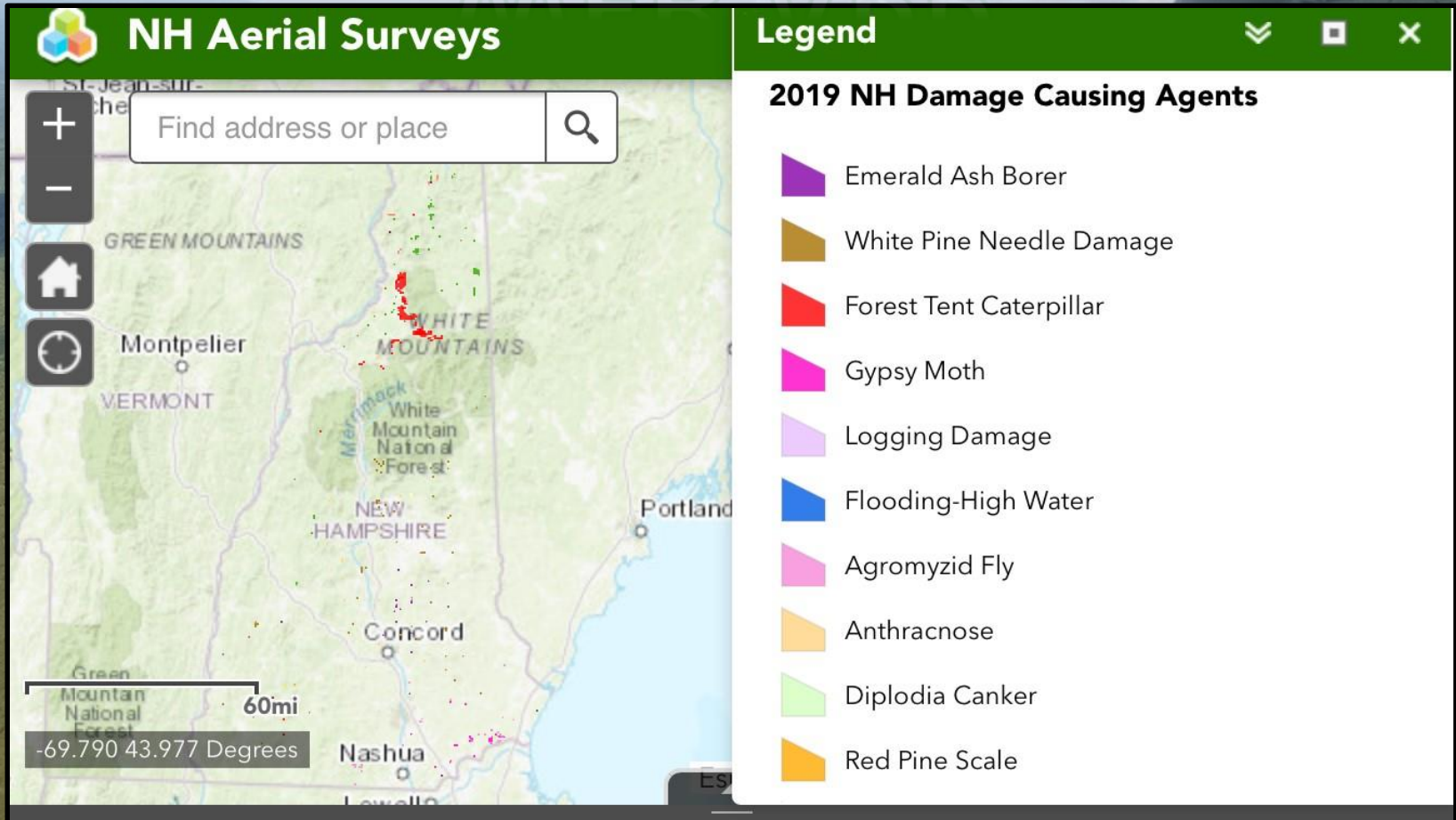


AERIAL SURVEY

- 3,000 acres of EAB ash mortality
- 2,340 acres of white pine needlecast
- 2,199 acres of FTC defoliation
- 1,388 acres FTC sugar maple mortality



AERIAL SURVEY WEB APP



nh.gov/nhdfi/community/forest-health

HWA & EHS SURVEYS

NH Towns Surveyed for Hemlock Woolly Adelgid in 2019

- Town negative for HWA
- Town positive for HWA
- Infested Towns



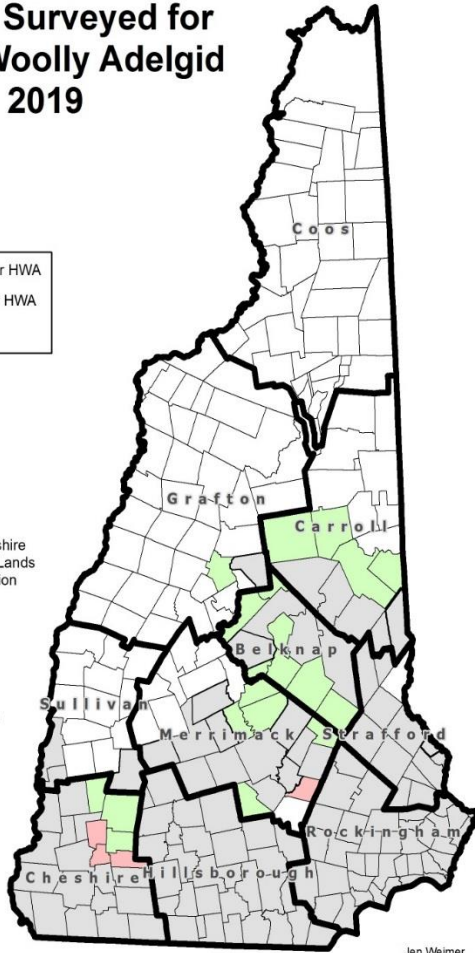
State of New Hampshire
Division of Forests & Lands
Forest Health Section



Funded by
USDA Forest Service
Northeastern Area



0 5 10 20
Miles



Jen Weimer
11 March 2019

NH Towns Surveyed for Elongate Hemlock Scale in 2019

- Town negative for EHS
- Town positive for EHS
- Infested Towns



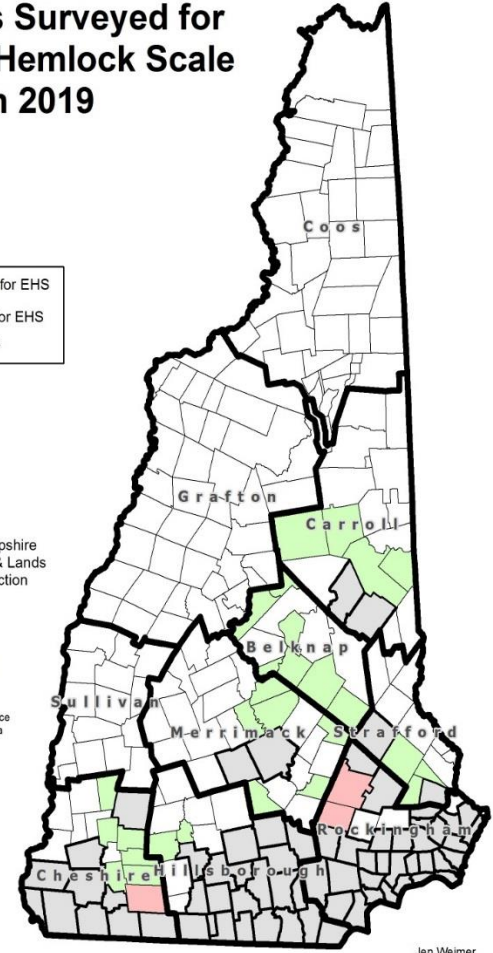
State of New Hampshire
Division of Forests & Lands
Forest Health Section



Funded by
USDA Forest Service
Northeastern Area



0 5 10 20
Miles



Jen Weimer
11 March 2019

HWA

126 Towns

9 Counties

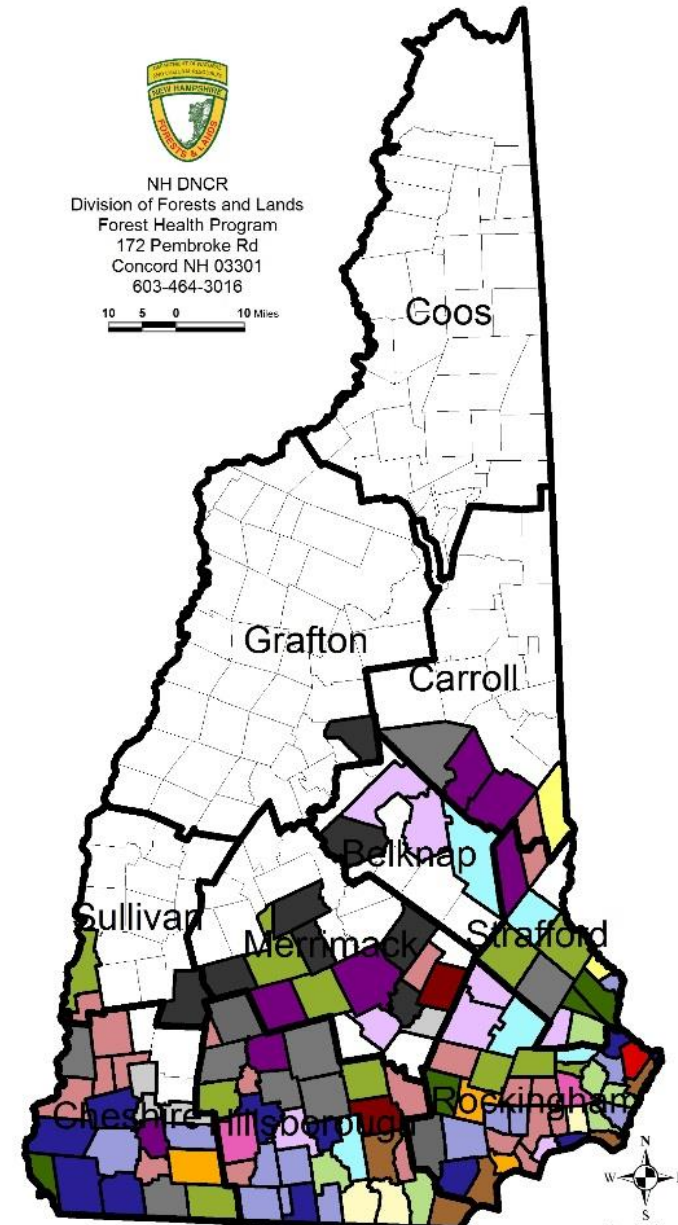
Infested Towns (year first reported)

Portsmouth (2000)	Barrington (2013)
Exeter (2001)	Fitzwilliam (2013)
Peterborough (2001)	Francostown (2013)
Bedford (2002)	Hillsboro (2013)
Epsum (2002)	Londonderry (2013)
Atkinson (2003)	Moultonborough (2013)
Chester (2003)	New Boston (2013)
Jaffray (2003)	Walpole (2013)
Hollis (2004)	Weare (2013)
Kensington (2004)	Charlestown (2014)
Nashua (2004)	Ecoborg (2014)
Merrimack (2008)	Goffstown (2014)
Pullam (2008)	Hancock (2014)
Rye (2008)	Hopkinton (2014)
Salem (2008)	Newfields (2014)
Snoabrook (2008)	Raymond (2014)
Durham (2007)	Ridge (2014)
Hampton Falls (2007)	Rochester (2014)
Hudson (2007)	Stratford (2014)
Wilton (2007)	Warner (2014)
North Hampton (2007)	Bow (2015)
Stratham (2007)	Deerfield (2015)
Auburn (2008)	Gilford (2015)
Ilinsdale (2008)	Ipswich (2015)
Dover (2008)	Lyndeborough (2015)
Madbury (2008)	Meredith (2015)
Nottingham (2009)	Newton (2015)
Farmington (2009)	Northwood (2015)
Newmarket (2009)	Astead (2016)
Amherst (2009)	Bennington (2016)
Alton (2009)	Brentwood (2016)
Chesterfield (2010)	Brookfield (2016)
Greenfield (2010)	Candia (2016)
Keene (2010)	Chichester (2016)
Wasson (2010)	Fair Kingdon (2016)
Mont Vernon (2010)	Fremont (2016)
New Castle (2010)	Gilsum (2016)
Newington (2010)	Hampstead (2016)
Richmond (2010)	Kingston (2016)
South Hampton (2010)	Langdon (2016)
Winchester (2010)	Litchfield (2016)
Windham (2010)	Pastow (2016)
Swanzey (2011)	Manchester (2016)
Temple (2011)	Middletown (2016)
New Ipswich (2011)	Sharon (2016)
Greenville (2011)	Sury (2016)
Wilton (2011)	Troy (2016)
Brookline (2011)	Westmoreland (2016)
Derry (2011)	Windsor (2016)
Rollinsford (2011)	Bradford (2017)
Greenland (2011)	Holderness (2017)
Lampton (2011)	Lebanon (2017)
Sandown (2011)	Pembroke (2017)
Danville (2011)	Salisbury (2017)
Dublin (2011)	Sanbornton (2017)
Concord (2012)	Washington (2017)
Deering (2012)	Webster (2017)
Heniker (2012)	Somersworth (2018)
New Durham (2012)	Wakefields (2018)
Wolfeboro (2012)	Akerslowen (2018)
Tuftonboro (2012)	Harrisville (2018)
Marilborough (2012)	Roxbury (2018)
Antrim (2013)	Sullivan (2019)

NH Towns with Known Hemlock Woolly Adelgid Infestations



NH DNCR
Division of Forests and Lands
Forest Health Program
172 Pembroke Rd
Concord NH 03301
603-464-3016



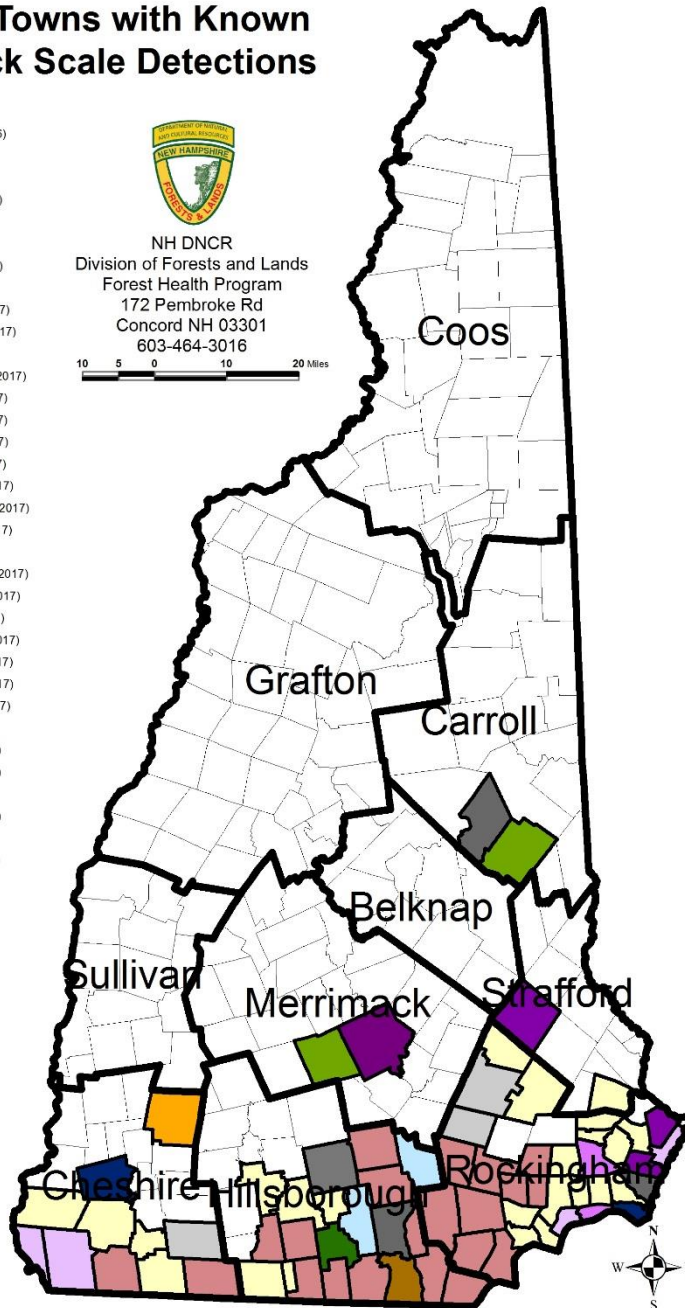
New Hampshire Towns with Known Elongate Hemlock Scale Detections

Infested Towns (year first detected)

Nashua (2006)	Richmond (2016)
Milford (2008)	Rindge (2016)
Amherst (2009)	Salem (2016)
Manchester (2009)	Sandown (2016)
Keene (2010)	Temple (2016)
Seabrook (2010)	Wilton (2016)
Exeter (2011)	Windham (2016)
South Hampton (2011)	Atkinson (2017)
Concord (2012)	Brentwood (2017)
North Hampton (2012)	Chesterfield (2017)
Portsmouth (2012)	Durham (2017)
Strafford (2012)	East Kingston (2017)
Hampton (2013)	Fitzwilliam (2017)
Merrimack (2013)	Greenfield (2017)
New Boston (2013)	Greenland (2017)
Tuftsboro (2013)	Greenville (2017)
Hopkinton (2014)	Hampstead (2017)
Wolfeboro (2014)	Hampton Falls (2017)
Hinsdale (2015)	Kensington (2017)
Newton (2015)	Kingston (2017)
Rye (2015)	Lyndeborough (2017)
Winchester (2015)	Mont Vernon (2017)
Auburn (2016)	Newfields (2017)
Bedford (2016)	New Ipswich (2017)
Brookline (2016)	Newmarket (2017)
Chester (2016)	Nottingham (2017)
Danville (2016)	Northwood (2017)
Derry (2016)	Plaisow (2017)
Fremont (2016)	Stratham (2017)
Goffstown (2016)	Swanzey (2017)
Hollis (2016)	Troy (2017)
Hudson (2016)	Stoddard (2018)
Litchfield (2016)	Candia (2019)
Londonderry (2016)	Deerfield (2019)
Mason (2016)	Jaffrey (2019)
Pelham (2016)	



NH DNCR
 Division of Forests and Lands
 Forest Health Program
 172 Pembroke Rd
 Concord NH 03301
 603-464-3016



Jen Weimer
 11 March 2019

EHS

71 Towns

6 Counties



HWA BIOCONTROL

LARICOBBIUS NIGRINUS

- 500 Released in Durham in 2019
- Larval sampling done at 2 sites
1 site yielded Ln



OAK WILT SURVEY

- 24 homeowners
- 19 firewood dealers
- 16 state parks
- 2 second homes

2019 Oak Wilt Surveys

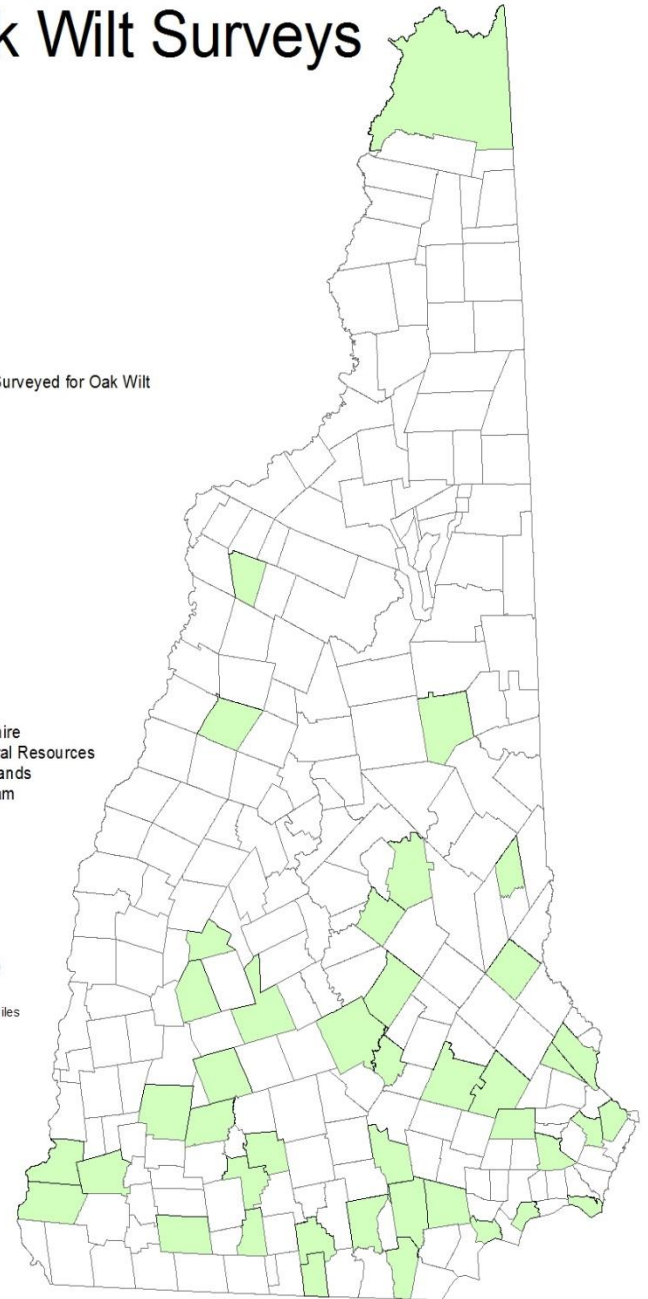
 Towns with Sites Surveyed for Oak Wilt



State of New Hampshire
Department of Natural & Cultural Resources
Division of Forests & Lands
Forest Health Program



Jen Weimer
18 September 2019





Oak Shothole Leafminer



Red Pine Scale Infestations in NH

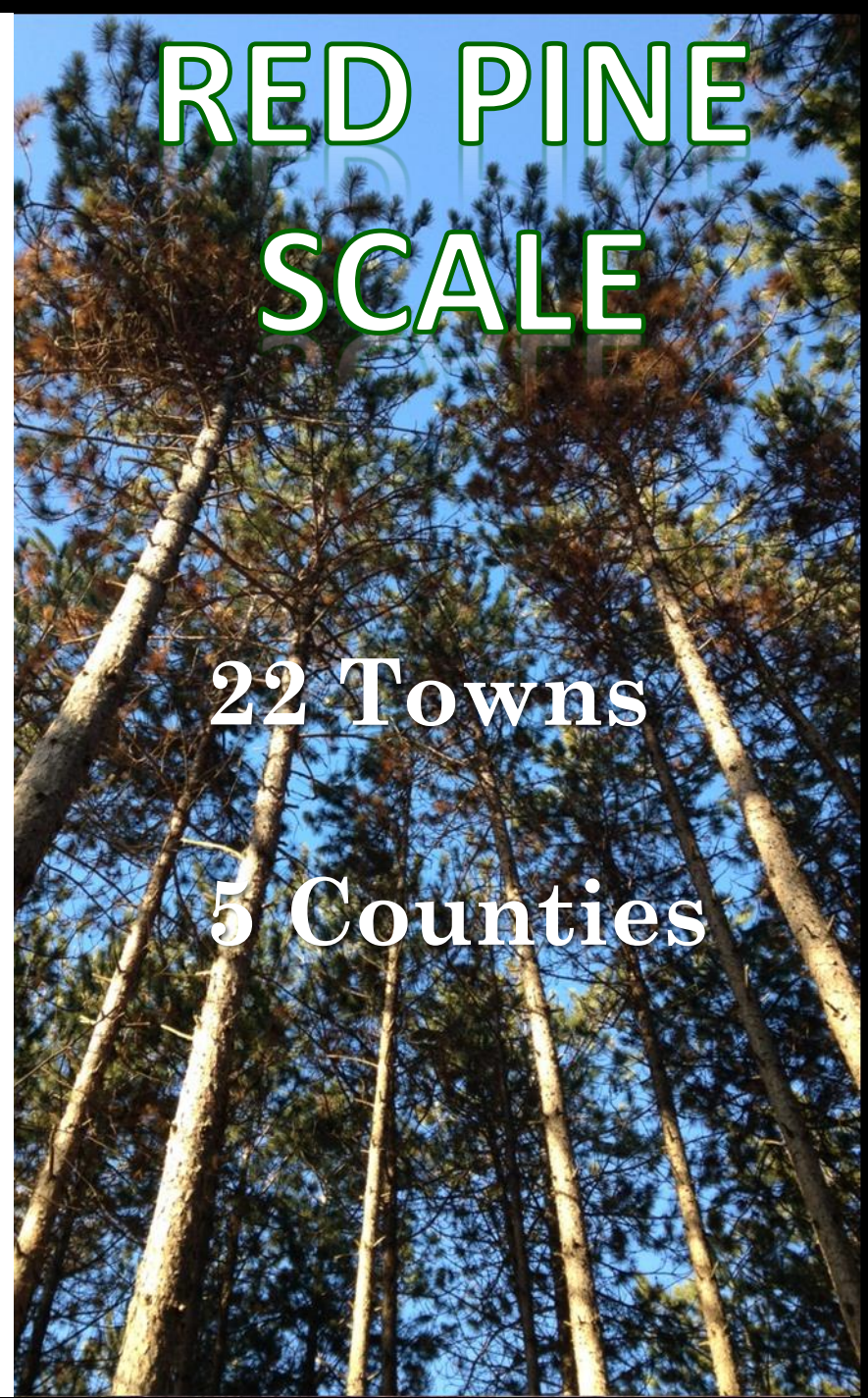
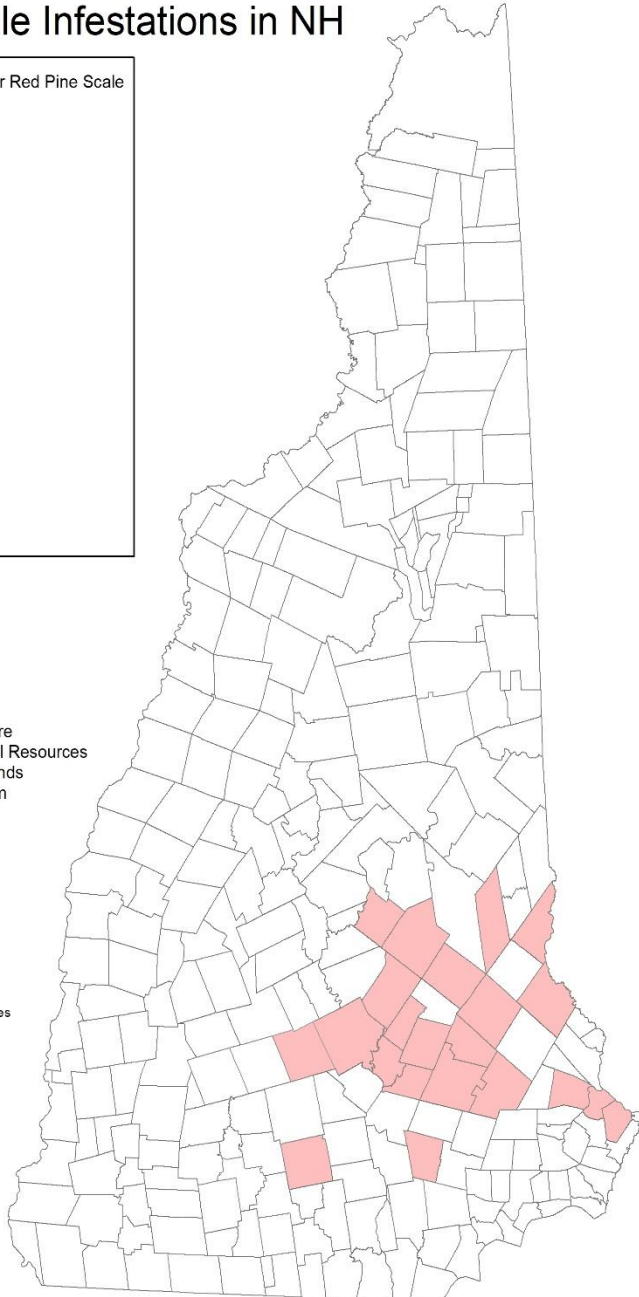
- Towns Positive for Red Pine Scale
- Allenstown
 - Auburn
 - Barnstead
 - Belmont
 - Chichester
 - Concord
 - Deerfield
 - Durham
 - Epsom
 - Gilmanton
 - Hopkinton
 - Loudon
 - Milton
 - New Boston
 - New Durham
 - Newington
 - Northwood
 - Nottingham
 - Pembroke
 - Portsmouth
 - Rochester
 - Strafford



State of New Hampshire
Department of Natural & Cultural Resources
Division of Forests & Lands
Forest Health Program



Jen Weimer
14 January 2020
0 5 10 20 Miles



RED PINE SCALE

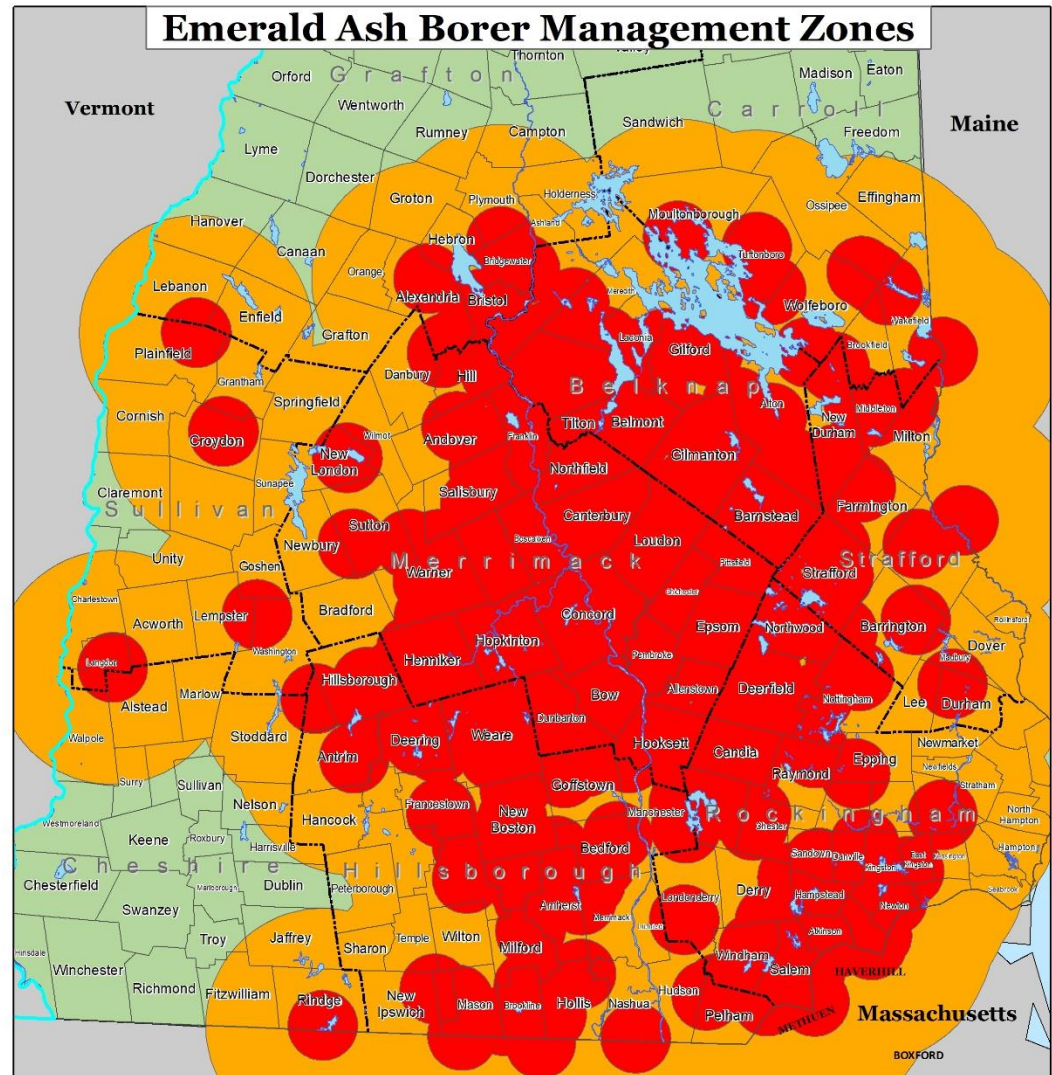
22 Towns

5 Counties

EAB

94 Towns

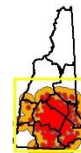
9 Counties



-  EAB Generally Infested Area
-  EAB Potential Expansion Area (10 Miles)
-  EAB Alert Area (>10 Miles)

0 5 10 20 Miles

Date: 1/27/2020



State of New Hampshire
Department of Natural & Cultural Resources



EAB BIOCONTROL

- *Tetrastichus planipennisi*
- *Oobius agrili*
- *Spathius galinae*



PLEASE DO NOT
DISTURB

This bait is part of a management program for the invasive "emerald ash borer" beetle. For more information about this beetle and what you can do to help, visit nhbugs.org or call your state Forest Health office at (603)464-3016.

THANK YOU!



2019 Releases

- 8 sites
- 5 counties

NH.GOV/NHDFL



[@NHFORESTHEALTH](https://www.instagram.com/NHFORESTHEALTH)

NH Department of Natural & Cultural Resources
Division of Forests & Lands
Forest Health Program

Annual Newsletter
2019

Oak Wilt
Hemlock Woolly Adelgid
Emerald Ash Borer

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Division of Forests & Lands
Forest Health Program

NHBUGS.ORG



603-464-3016