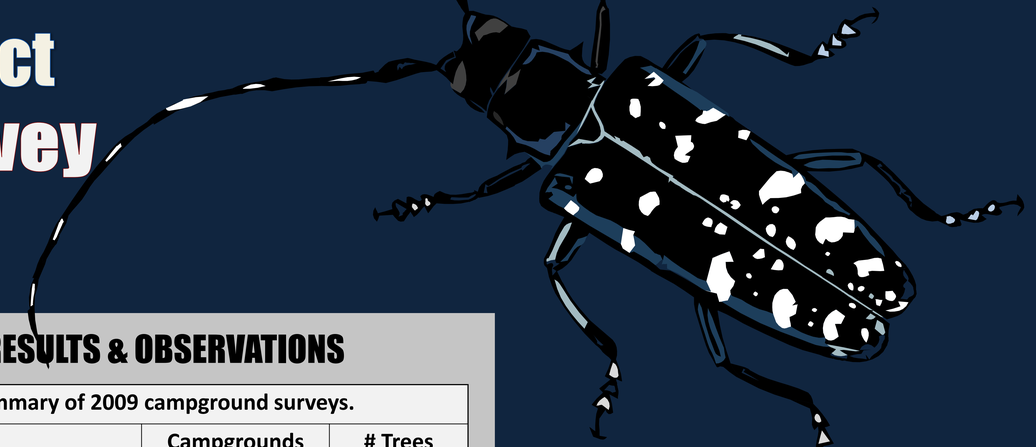
Northeast Forest Pest Outreach and Survey Project
Targeted Zip-code Based Outreach and Survey

US Forest Service, USDA-APHIS, Maine Department of Agriculture, Maine Forest Service, New Hampshire Department of Agriculture, New Hampshire Forest and Lands Division, Vermont Department of Agriculture, Vermont Division of Forestry, New York Department of Environmental Conservation, New York Office of Parks, Recreation and Historic Preservation, Massachusetts Department of Agriculture, Massachusetts Department of Conservation and Recreation, Connecticut Agricultural Experiment Station, Connecticut Department of Forestry, Rhode Island Division of Agriculture, Rhode Island Division of Forest Environment, New Jersey Department of Agriculture, Pennsylvania Department of Agriculture, The Nature Conservancy



ABSTRACT

USDA APHIS, the US Forest Service, State Departments of Agriculture and Forestry and the Nature Conservancy formed the Northeast Forest Pest Outreach and Survey Project . This group coordinated zip-code based surveys of campgrounds and second homes at risk to the Asian longhorned beetle (ALB) by the movement of infested firewood.

Outreach and survey activities occurred at approximately 218 campgrounds that received campers from the ALB regulated area in Worcester over the last 5 years. Some states also targeted ALB outreach and survey of properties of second homeowners who have a primary residence in the regulated area.

Targeted campground and second home surveys will continue in 2010.

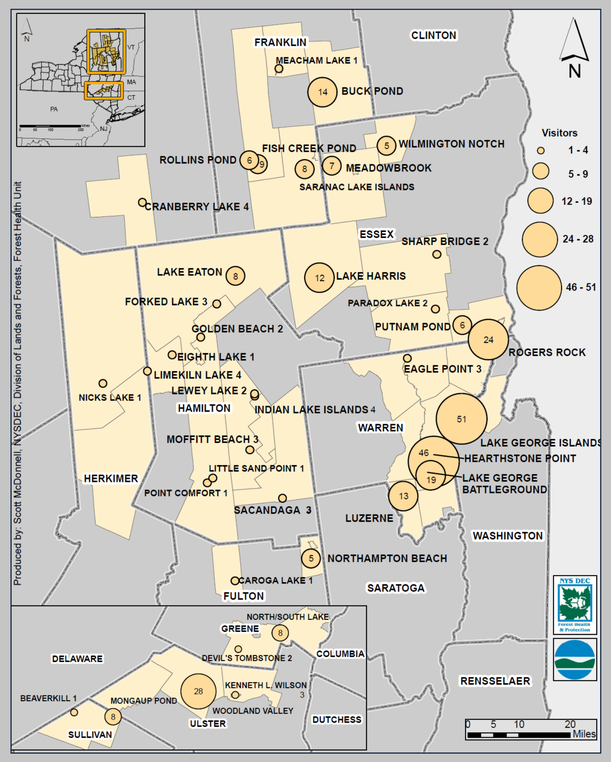


Figure 1. Example of campgrounds targeted by using zip-code based campsite reservation data. Map courtesy of NY-DEC.

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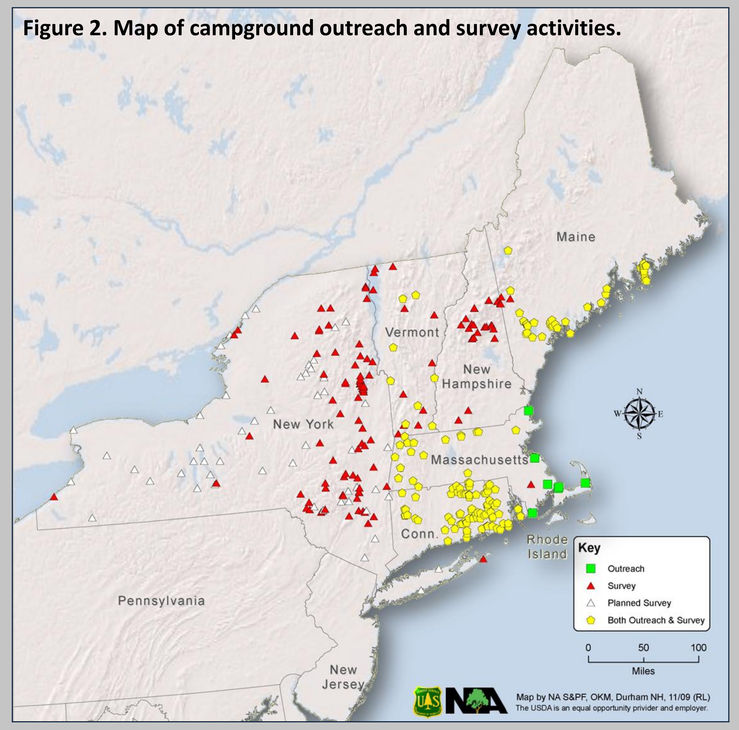
INTRODUCTION

Firewood is a well known pathway of artificial movement of wood infesting insects. Satellite infestations of exotic wood boring insects like ALB and the emerald ash borer have been linked to the firewood pathway. The infestation of ALB in Worcester, MA went undetected for 15+ years. It is likely that ALB infested firewood was unknowingly transported out of Worcester during that period. This poster summarizes the results of a cooperative project which targeted the firewood pathway of artificial ALB movement using campground reservation data and tax assessor information.

Goals and Objectives

- Identify state and federal campgrounds who received campers from ALB infested zip-codes over the last 5 years using camper reservation data.
- Identify second homeowners who have a primary residence in infested towns
- Focus ALB outreach and survey efforts on identified high-risk campgrounds.
- Focus ALB outreach and survey efforts on properties of identified second homeowners.

Figure 2. Map of campground outreach and survey activities.



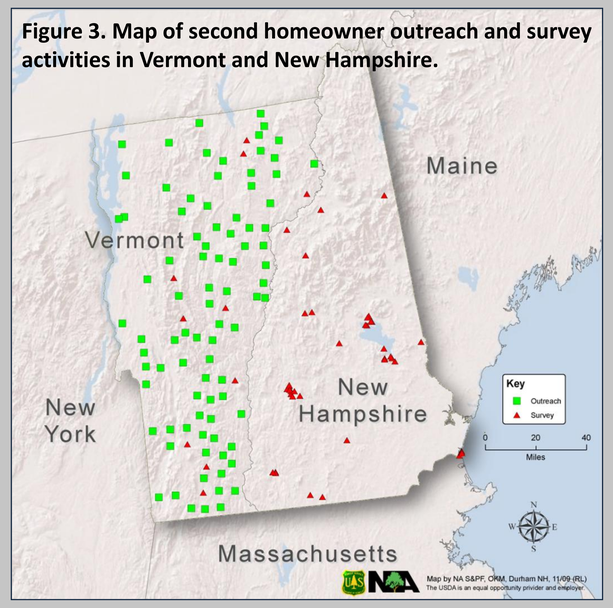
RESULTS & OBSERVATIONS

Table 1. Summary of 2009 campground surveys.

State	Campgrounds Surveyed	# Trees Surveyed
Connecticut	60	n/a
Maine	42	1600
Massachusetts	26	n/a
New Hampshire/WMNF	27	2659
New York	20	350
Rhode Island	23	2300
Vermont	20	350
Total	**218**	**7259**

- **No ALB were detected in 2009 during these zip-code based surveys.**
- Regulated zip-codes were used to identify and prioritize campgrounds for ALB outreach and survey (Fig. 1).
- Outreach and survey activities occurred at approximately **218 campgrounds** (Fig. 2 & Table 1).
- Zip-code data also used to identify second homeowners in Vermont, New Hampshire and Maine.
- Some second homeowner surveys were completed in New Hampshire and Vermont (Fig. 3).
- Out-of-state firewood was banned from state parks and national forests in Vermont and New Hampshire.

Figure 3. Map of second homeowner outreach and survey activities in Vermont and New Hampshire.



FUTURE PLANS

- Revisit high-risk campgrounds and continue outreach and survey efforts.
- Survey campgrounds not visited in 2009.
- Expand federal campground surveys to include the Green Mountain National Forest, Acadia National Park, etc.
- Continue and expand "second homeowner" outreach and survey efforts to include properties not visited in 2009.
- Continue to coordinate the regional "Don't Move Firewood" message (Fig. 4).

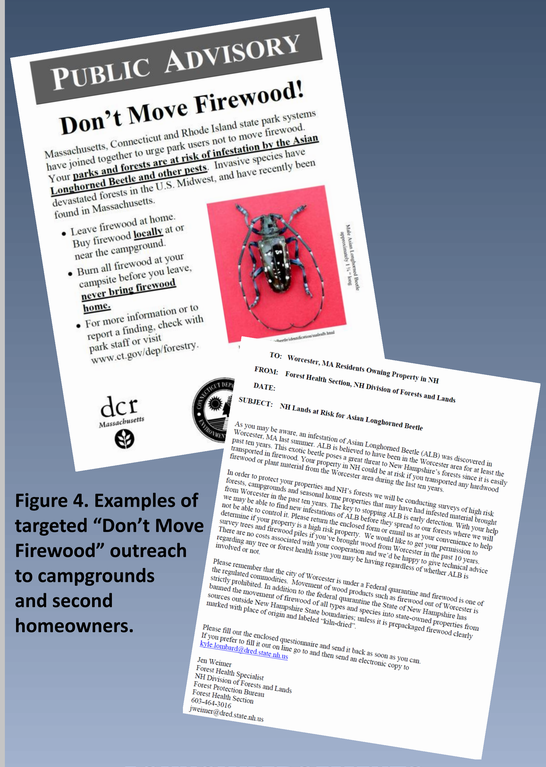


Figure 4. Examples of targeted "Don't Move Firewood" outreach to campgrounds and second homeowners.

ACKNOWLEDGEMENTS

This project was funded by the US Forest Service, Northeastern Area and the USDA Animal and Plant Health Inspection Agency, Eastern Region.