



Protecting nature. Preserving life.™

**USDA Agricultural Forum
February 20-21 2014**

Bill Toomey

Protecting Nature, Preserving Life

- 50 states, 35 countries worldwide
- 60 years of on-the-ground experience.
- 119 million acres of land protected
- 5,000 miles of rivers protected
- 100 marine conservation projects globally
- 1 million members and over 16,000 volunteer trustees



Restoring America's Forests





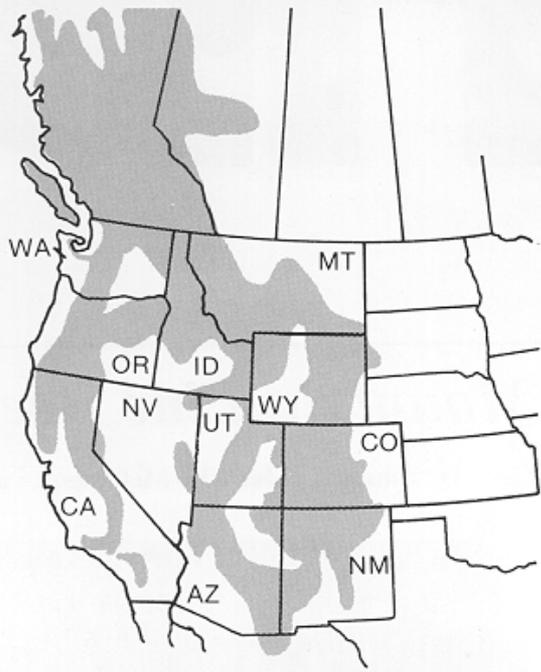
Forest Values in the US

- **Store and filter half the nation's water supply;**
- **Provide jobs to about one million forest products workers;**
- **Over 500 million acres of recreational lands that generate well over \$13 billion in economic activity on National Forests alone;**
- **Absorb 13 percent of the USA's carbon emissions;**
- **Provide habitat to thousands of species.**



problems

Mountain Pine Beetle



Restoring America's Forests

DEMONSTRATION SITES

with Fire Learning Network Landscapes and Collaborative Forest Landscape Restoration Program sites

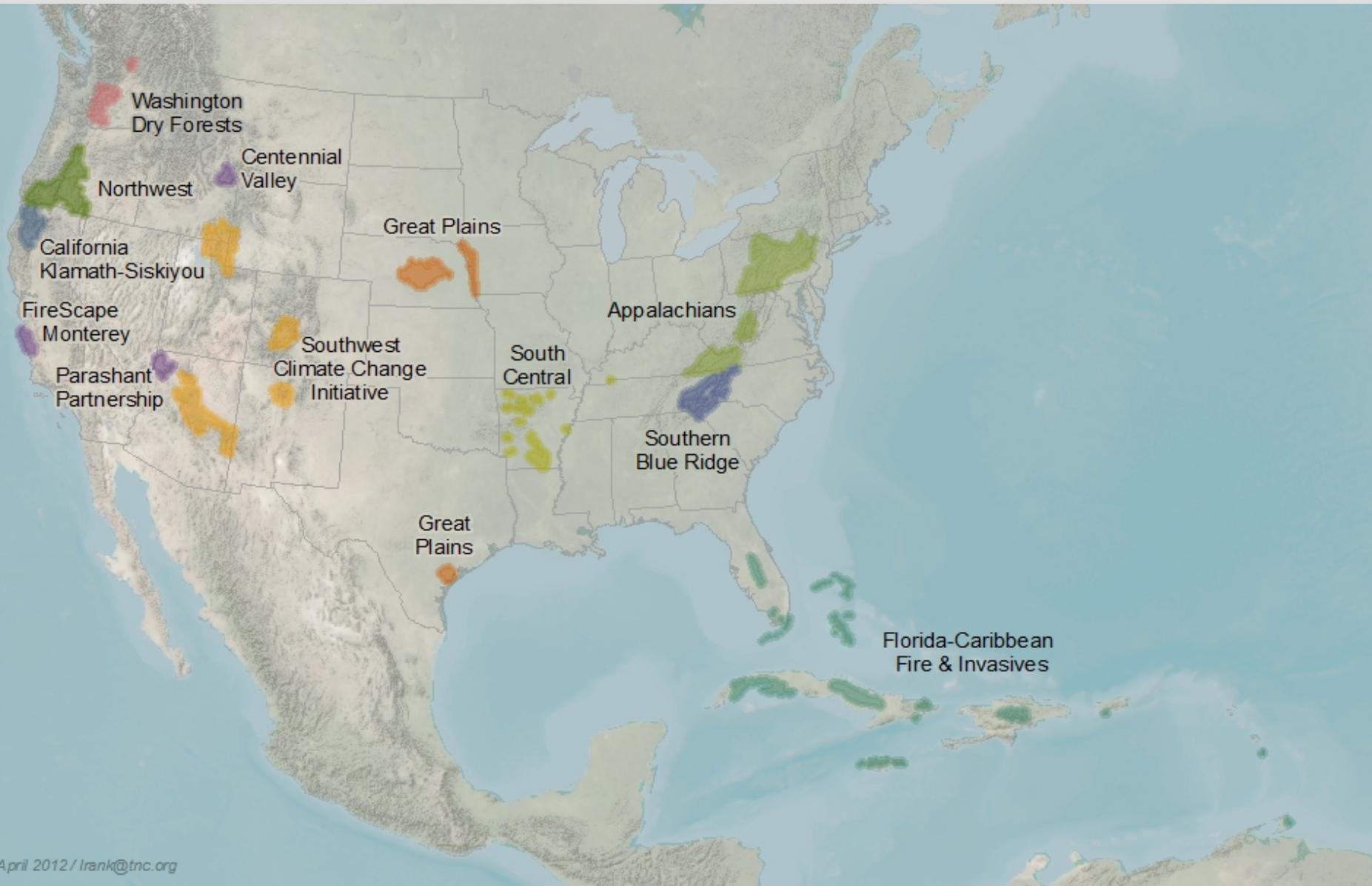
Legend

-  15 projects that the Conservancy partners with were awarded FY2012 Collaborative Forest Landscape Restoration (CFLR) funding
-  3 landscape projects that the Conservancy partners with received special funding associated with the CFLR program
-  47 Fire Learning Network (FLN) landscapes

Restoring America's Forests
Demonstration Sites
(shaded green)

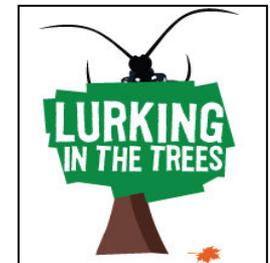
1. Tongass National Forest
2. Tapash Collaborative
3. Oregon Forest Project
4. Northern Sierra Partnership
5. Clearwater Basin Collaborative
6. Four Forest Restoration Initiative
7. Jemez Mountains / Southern Sangre de Cristos
8. Front Range Roundtable
9. Shortleaf Pine-Oak Ecosystem Restoration Project
10. Great Lakes Project
11. Central Appalachians
12. Cherokee National Forest Restoration Initiative
13. Panhandle Longleaf Pine Ecosystem

Fire Learning Network 2012



Forest Health Protection Program

1. Prevent New Introductions
2. Enable Early Detection
3. Reduce the Spread
4. Increase Engagement by Key Constituencies



DISTRIBUTION OF FOREST PESTS



Alien Forest Pest Explorer

Species Richness

www.fs.fed.us/ne/morgantown/4557/AFPE/

as of July 28, 2008

Alaska



0 100 200 Mi
0 410 820 Km

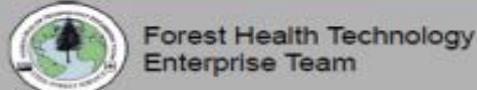
Hawaii



0 50 Mi
0 80 Km

0 290 580 Mi
0 450 900 Km

Number of Pests per County



IMPACT OF NON-NATIVE FOREST INSECTS AND DISEASES

Emerald Ash Borer

Has killed 60 million ash trees in 18 states and 2 Canadian provinces

Asian Longhorned Beetle

Has killed maple, ash, willow and other hardwood trees in New York , New Jersey, Chicago, Worcester MA, and Ohio

Sudden Oak Death

Has killed more than 1 million trees along California and Oregon's scenic coast

Annual Impact:	Local governments:	\$2 Billion
	Homeowners:	\$1 Billion
	Reduced property values:	\$1.5 Billion

IMPACTS TO LOCAL COMMUNITIES



CHALLENGES



- **International Trade**
 - **Increasing volume**
 - **Rise in use of containers with wood pallets**
 - **Expanding list of countries trading with US**
- **Increasing rate in “high impact” pests**
- **Visual inspection is challenging**
- **Established pests difficult to eradicate and manage**

FOREST HEALTH PROGRAM POLICY PRIORITIES

- Strengthen existing laws, agency rules, and policies
- Adequate funding for agency programs
- Major Pathways: Wood packaging (ISPM-15: adopted by 70 countries),
- Live plant pathways (APHIS Rulemaking)
- Firewood policy USFS & NPS national policy gap
- Firewood certification with USDA

CONTINENTAL DIALOGUE NATIONAL PARTNERSHIP



American Forest Foundation



SIÓN NACIONAL FORESTAL



RESOLVE



AFPDA

American Firewood Producers and Distributors Association



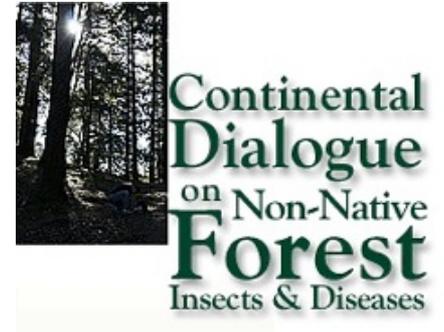
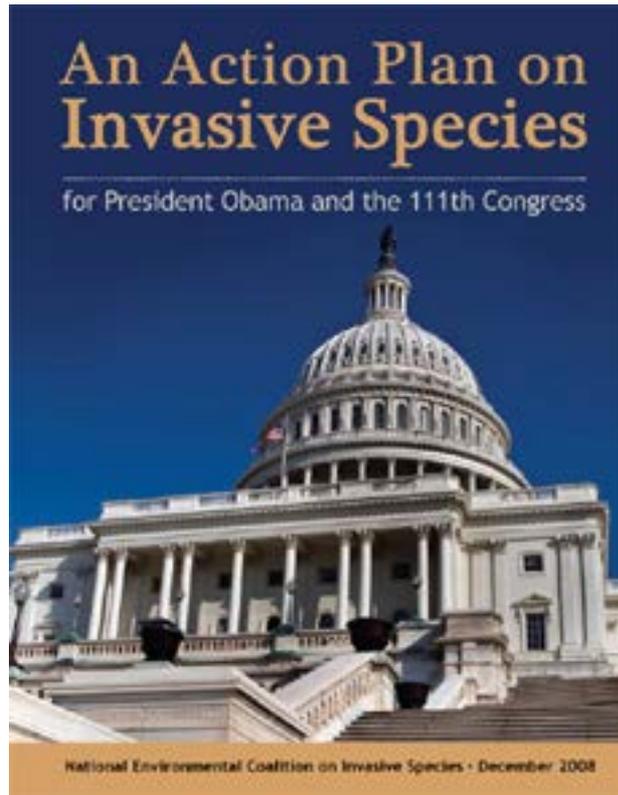
THE UNIVERSITY OF GEORGIA
CENTER FOR INVASIVE SPECIES
AND ECOSYSTEM HEALTH
WARREN SCHOOL OF FORESTRY AND NATURAL RESOURCES
COLLEGE OF AGRICULTURAL AND ENVIRONMENTAL SCIENCES

NATIONAL COALITIONS

Coalition Against Forest Pests



American Forest Foundation
We grow stewardship every day.



OUTREACH AND EDUCATION



Don't Move Firewood (*launched 2008*)

Tens of millions reached

Collaborations with **45** states



Lurking in the Trees (*released 2009*)

Thousands of TV airings nationwide

11,000 DVDs distributed

Winner of 3 film festival awards



Trees Pests and People (*Released 2012*)

DON'T MOVE FIREWOOD.org



VIDEOS





HEALTHY TREES · HEALTHY CITIES

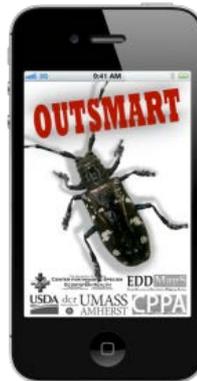


New York City	Los Angeles
Boston	Philadelphia
Tennessee	



EDUCATIONAL RESOURCES AND TOOLS

1. **PowerPoint Trainings** Presentation for each pilot city
2. **Fact sheets** on High Risk Pests for each pilot city
3. Two **documentaries**: *Lurking in the Trees, Trees, Pests, & People*
4. **Smart phone apps** for pest reporting, with training videos
5. **Internet resources**: HTHC website, DMF website, YouTube training videos
6. Various **pamphlets, factsheets, wallet cards**
7. Other field resources



Progress

- **APHIS NAPPRA Rule:** Not Approved for importation pending pest risk assessment
- **Growing portion of plant imports are cuttings & slips**
- **Customs and Border Protection:** sophisticated targeting of inspections of shipments
- **Private Nurseries and State Depts. of Ag testing voluntary system of BMP's**
- **National Association of Firewood dealers seeking national certification**

What You Can Do

- **Get Involved in Coalitions**
- **Use Local Firewood and Don't Move Firewood**
- **Purchase Plants Carefully from Reputable Sources**
- **Cooperate with Quarantines**
- **Keep Your Outdoor Gear (boats, ATV tires) Clean**
- **Declare Agricultural Items to Custom Officials**
- **Become a Citizen Scientist to Protect Trees and Forests**

SUCSESSES

- **Asian Longhorned Beetle** declared eradicated in Chicago 2008, New Jersey 2013, and Canada 2013
- **Hemlock Woolly Adelgid**, separate outbreaks eradicated in Michigan in 2006 and 2010
- **Citrus Longhorned Beetle**, eradicated in the Seattle region 2001
- **Plum Pox Virus**, eradicated from Pennsylvania 2009
- **European grapevine moth: Reduced by 99.9%**

CONTACT US

The Nature Conservancy: www.nature.org

Website: <http://healthytreeshealthycities.org/>

Don't Move Firewood: www.dontmovefirewood.org

Continental Dialogue: www.continentalforestdialogue.org

Bill Toomey: btoomey@tnc.org

Asian Longhorned Beetle



Emerald Ash Borer



Viburnum Leaf Beetle



Hemlock Woolly Adelgid



Gypsy Moth

