



# Forest Health Monitoring Program Highlights

Borys M. Tkacz  
National Program Manager





## 2010 Program Highlights

- Management Team
- Evaluation Monitoring
- Reporting Highlights
- Budget Summary
- International Activities

## FHM Management Team

- **Chair – National Program Manager- Borys Tkacz**
  
- **FHP Rep. for each FHM Region**
  - NE – Jim Steinman
  - NC – Manfred Mielke
  - SO – Dale Starkey
  - INT –Jeri Lyn Harris
  - WC – **Bruce Hostetler (acting)**
  
- **State Rep. for each FHM Region**
  - NE – **Tom Hall, PA**
  - NC – Dave Heinzen, MN
  - SO – **Chris Asaro, VA**
  - INT – **Stephani Sandoval, NM**
  - WC – Tom Smith, CA
  
- **FIA National Program Leader – Greg Reams**
- **FHM National Research Team – Kurt Riitters (acting)**
- **NFS EMC – Rick Ullrich (temp)**
- **FHTET – Frank Sapio**
- **SPF U&CF - Keith Cline**

Evaluation Monitoring Projects 2010

**BASE**

- Aspen Mortality in Rockies – INT
- **White pine blister rust in AZ – INT**
- **Mountain pine beetle, C/N cycling – INT**
- **Aspen decline in AZ - INT**
- Drought & Aspen - NC
- Beech Bark Disease in MI – NC
- **Bur oak blight in IA - NC**
- White Ash in Allegheny Plateau – NE
- **Causes of mortality in VT – NE**
- **Beech bark disease in ME – NE**
- ***Phytophthora cinamomi* & oak mortality – NE**
- Risk of Forest Tree Extinction and Genetic Degradation – SO
- **Yellow birch, acid soils, climate change - SO**
- Yellow Cedar Decline in AK – WC
- Mountain Pine Beetle Life Cycle Timing in CA – WC
- **Alder mortality in AK - WC**

**FIRE PLAN**

- Mountain Pine Beetle in Fire-Damaged Pine – INT
- Bark Beetle Outbreaks: Implications for Fuels, Fire, and Management under Climate Change – INT
- **Pandora moth prediction in AZ – INT**
- **Fuels in high elev. 5-needle pines – INT**
- **Mountain pine beetle outbreaks & fire – INT**
- Drought and Temperature Stress on Oaks in Ozarks – NC
- Fuel Dynamics in Southern Pine Beetle Killed Stands – SO
- **Impact of climate change on SE forests – SE**
- Survival of fire-injured trees in OR & WA – WC
- White Pine Blister Rust and Sugar Pine Survival – WC
- **Oak health following GSOB in CA - WC**
- **Whitebark pine in Elkhorn and Eagle Cap - WC**

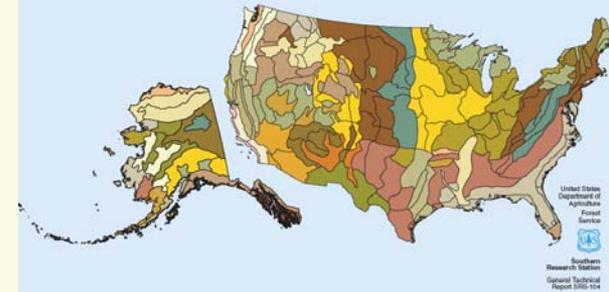
# Reporting Highlights

- National Reports
  - FHM National Technical Reports
    - 2006 published
    - 2007 in press
    - 2008, 2009 in review
- Forest Health Highlights – 2009
  - SO Region
- FHM Website – New URL:
 

<http://www.fs.fed.us/foresthealth/fhm>

## Forest Health Monitoring 2005 National Technical Report

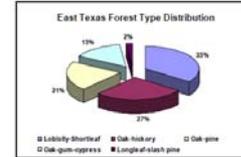
Editors: Mark J. Ambrose, Barbara L. Cookling



United States Department of Agriculture Forest Service  
Southern Research Station  
National Technical Report 1510-104

## Texas Forest Health Highlights 2009

**The Resource**  
Texas' forests cover 14.6 million acres, more than half of the eastern section of the state where the climate supports trees. The majority of the state's forested land, some 10.7 million acres, is in non-industrial private ownership, while approximately 376,000 acres are in national forests. Texas' forests are prized for their scenic beauty, supporting tourism and outdoor recreation and providing wildlife habitat throughout eastern Texas. Major forest types in Texas include loblolly-shortleaf pine, oak-hickory, mixed oak-pine, and oak-pine-cypress. Longleaf-shortleaf pine accounts for only 2% of the forest.



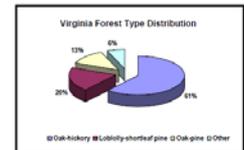
### Forest Influences and Programs

▲ **The Southern pine beetle (SPB)** is the most important forest insect pest in Texas. Historically, the most severe SPB problems in the South have occurred in Texas. However, since 1994, SPB populations in Texas have been very low. No SPB infestations were reported on state, private, or federal lands in Texas from 1998 through 2009. A trapping system developed by the Texas Forest Service and now used in 12 southern states is used to forecast annual SPB infestation trends. Traps are deployed in the early spring to predict SPB infestation levels for that year. Early indications are that southern pine beetle activity in 2010 will continue to be very low.

▲ **Pine engraver beetles (PEB)** activity reached outbreak proportions during August and September in the southern half of East Texas. The following counties experienced considerable pine tree mortality from PEB attacks: Harris, Montgomery, Grimes, Waller, San Jacinto, Liberty, Tyler, Hardin, Polk, and Bastrop. Texas Forest Service District

## Virginia Forest Health Highlights 2009

**The Resource**  
Virginia's forests cover 15.7 million acres, more than 67% of the state's land area. The majority of the state's forested land, some 10 million acres, is in non-industrial private ownership, while approximately 1.6 million acres are in national forests. Virginia's forests are prized for their scenic beauty, supporting tourism and outdoor recreation and providing wildlife habitat from the Appalachian Mountains to the lowlands of the Atlantic Coastal Plain. Major forest types in the state include oak-hickory, loblolly-shortleaf pine, and mixed oak-pine. Other major types account for 6% of this acreage. The most abundant tree species by volume is white oak, followed by loblolly pine, chestnut oak, white oak and red maple. The most abundant trees species by number of trees is red maple, followed by loblolly pine, white oak, and blackgum. Nearly 85% of Virginia's forests are natural, while 15% are planted. A number of tree species have undergone a significant decline from historical abundance, including table mountain pine, pitch pine, shortleaf pine, eastern hemlock, Atlantic white cedar, and longleaf pine. Restoration efforts are underway for many of these species.





## Budget Summary

<b>Program Component</b>	<b>FY 2008 Allocated \$K</b>	<b>FY 2009 Allocated \$K</b>	<b>FY 2010 Enacted \$K</b>
<b>Federal Lands Survey</b>	812	812	812
<b>Cooperative Lands Survey*</b> <small>* Federal Share of 50/50 Cost Shared Program</small>	2131	2131	<b>2628</b>
<b>FHM Analysis</b>	391	224	<b>245</b>
<b>SOD Detection Surveys</b>	426	426	426
<b>EM Base Projects</b>	700	700	<b>925</b>
<b>EM Fire Plan Projects</b>	486	522	<b>575</b>
<b>Analysis &amp; Reporting-RTP</b>	150	150	150
<b>National Activities</b>	92	92	92
<b>TOTAL</b>	<b>5188</b>	<b>5057</b>	<b>5853</b>

# US/Mexico Collaboration

- Forest Health Indicators
  - P3 Workshop in Park City, UT
  - P3 Field Training in Guadalajara, MX
- I&D Risk Map
  - Pilot testing in MX

