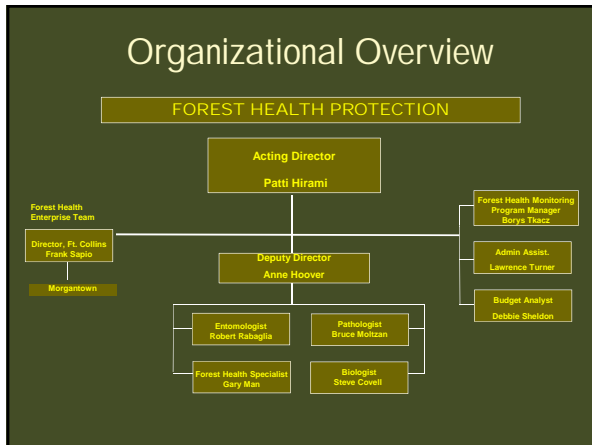


## Forest Service Update

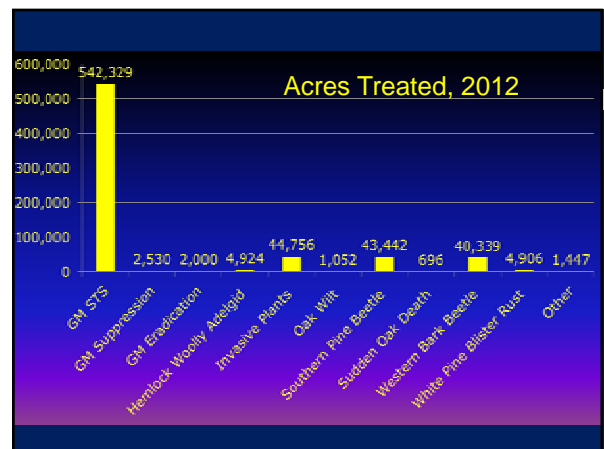
**Bob Rabaglia**  
**USDA Forest Service**  
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**Arlington, VA**  
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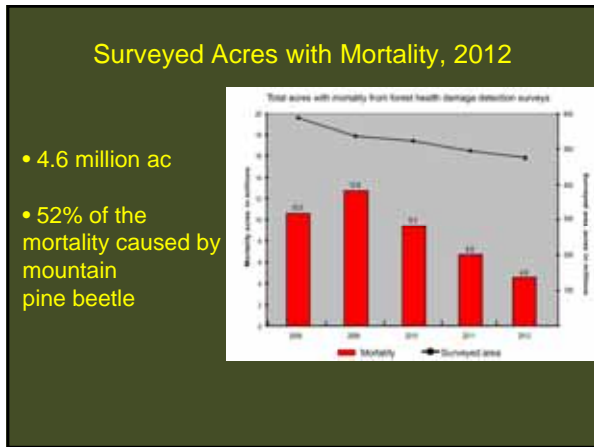


## Forest Health Protection

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- **Technical Assistance**
- **Survey & Monitoring**
- **Treatments**
- **Methods/Tech Development**





### Mountain Pine Beetle - *Dendroctonus ponderosae*

- ⚡ Lodgepole pine forests affected most
- ⚡ ~ 40 million ac in 15 yrs
- ⚡ Concentrate efforts to treat high value areas – campgrounds, rec. areas, watersheds, human habitations

### Southern Pine Beetle - *Dendroctonus frontalis*

1999-2002 outbreak caused \$1.5 billion in losses and killed trees on >1 million acres

### Southern Pine Beetle - *Dendroctonus frontalis*

SPB Prevention Program

Work with landowners and forests managers  
 To encourage thinning forests to make them more resistant to beetle outbreaks

Treated >1 million ac in 10 years

# Gypsy Moth

## Forest Service – APHIS Gypsy Moth Strategy

- Eradication
- Suppression
- Slow-the-spread



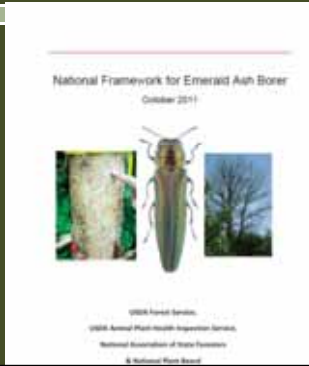
# Emerald Ash Borer



# Emerald Ash Borer

## EAB Framework

- Aligns roles and responsibilities of agencies
- Forest Service provides tech assistance for survey, management, utilization, tree inventory, outreach, methods development & research



# Forest Service EAB expenditures, 2011-2013

Prevention/Preparations	\$ 998,000
Survey/Inspection	\$ 348,000
Management/Control	\$ 2,289,000
Recovery/Rehabilitation	\$ 3,781,000
Outreach/Education	\$ 250,000
Research & Methods Development:	\$ 4,765,000
Biorational	\$ 1,723,200
Survey Methodology	\$ 1,385,000
Insecticide Research	\$ 485,000
Resistance, Management ...	\$ 571,000
Other R&D	\$ 621,000
<b>Total</b>	<b>\$ 12,697,000</b>

# Thousand Cankers Disease



- Native insect /disease complex acting invasive on black walnut
- Now occurs in 13 states, most recently found in NC; fungus only.
- 16 States have enacted TCD Regulations
- Developing silvicultural prescriptions and heat treatment suggestions



Phloem Canker

# Forest Health Protection Budget

## FY 2013

- Continuing Resolution \$111.9 million
- Sequestration + Rescissions \$ 7.0 million
- Late authorization...

## FY 2014

- President's Budget \$104 million
- Sequestration + Rescissions ??
- Continuing Resolution ??

## Forest Health Protection Budget, FY2013

- Core areas:
  - Technical Assistance (Funding to Regions and states)

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  - Survey/Monitoring (EDRR, SOD stream baiting, TCD...)

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## Forest Health Protection Budget, FY2013

- Core areas:
  - Technical Assistance (Funding to Regions and states)
  - Survey/Monitoring (EDRR, SOD stream baiting, TCD...)
  - Methods Development (STDP, FSPIAP, Sirex, genetic conservation...)
  - Treatments (2013 allocations):
    - Gypsy Moth STS - \$7.75 Million
    - Gypsy Moth Suppression - \$965,000
    - Gypsy Moth Eradication - \$24,000
    - Western bark beetles - \$4.0 Million
    - Southern Pine Beetle - \$3.0 Million
    - Hemlock Woolly Adelgid - \$1.9 Million
    - Invasive Plants - \$1.4 Million
    - Sudden Oak Death - \$1.35 Million