

Governor's Drought Interagency Coordinating Group

November 6, 2012

Forest Health Update



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Arizona State Forestry Division

Forest Health & Wildfires

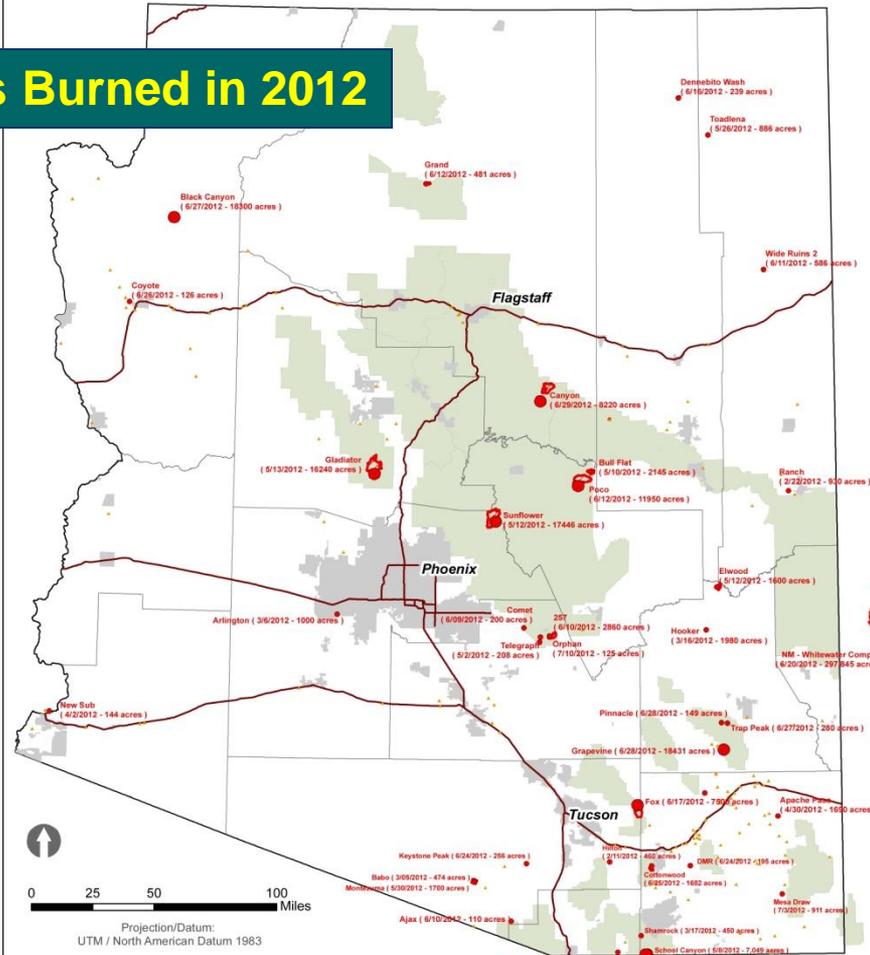
- ◆ Wildfires had less overall impact on forest health in 2012 than 2011.
- ◆ However, areas of reburn are becoming a concern.
- ◆ Also, intensity of wildfires and their proximity to development is increasing.
- ◆ 2012 saw an increase in defoliating insect activity.
- ◆ Drought possibly a contributing factor.



ARIZONA LARGE FIRES

January 1 to July 10, 2012

214,631 Acres Burned in 2012



Legend

Arizona Fires 2012 Acres

- < 100
 - 100 - 5000
 - 5000 +
 - Fire Polygons (where available)
 - National Forests of Arizona
 - Incorporated Municipalities
- | | |
|---------------------|-------------------------------|
| Larger Fire Labels: | |
| Fire Name | (Start Date - Reported Acres) |

Map Created by Arizona State Forestry -
 Fire points and polygons based on best available data from:
 NIFC Southwest Coordination Center (<http://gacc.nifc.gov/swcc/>),
 NIFC Eastern Great Basin: <http://gacc.nifc.gov/egbc>
 Inciweb: <http://www.inciweb.org>
 Note: Some fires are still active and final acreage will change.

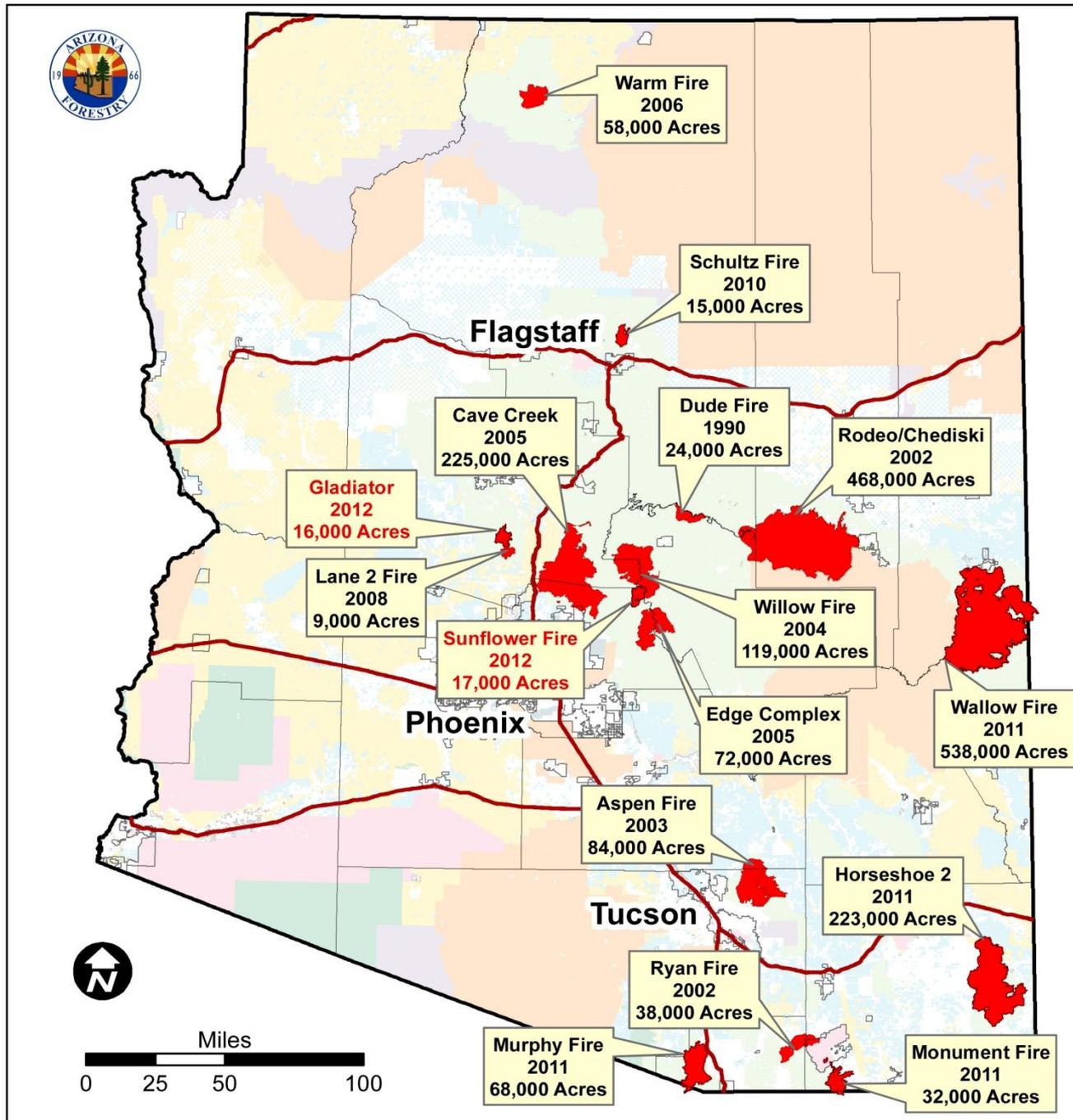


Historical Large Wildland Fires

(Representative large fires of the past 25 years)

Large Wildland Fires

 Large fires



Map Created By: AZ State Forestry
Date: August 8, 2012

Note: Wildland Fire data points based on Federal agency reporting and interagency dispatch data.

This map is for informational purposes only and not intended as an authoritative document. Arizona State Forestry Division makes no warranties, implied or expressed, with respect to information shown.

Sunflower Fire

Started 05/12/2012
17,446 Acres Affected =
About 27 Square Miles



Gladiator Fire

Started 05/13/2012
16,240 Acres Affected =
About 25 Square Miles



257 Fire

**Started 6/10/2012
2,860 Acres Affected =
About 5 Square Miles**



Superior

Poco Fire

**Started 06/16/2012
11,950 Acres Affected =
About 19 Square Miles
Lowest Fuel Moisture on Record in
Arizona**



Young

Arizona Large Fire History



Name	Size	Date
Wallow (\$109 M)	538,049	5/30-7/8/11
Rodeo/Chediski	468,638	6/18/2002

An overview of structure loss from wildfire 1960 to 2007

Based on NIFC, USFA, USDA Forest Service, DOI, USFA and ISO figures based on ICC compilation.

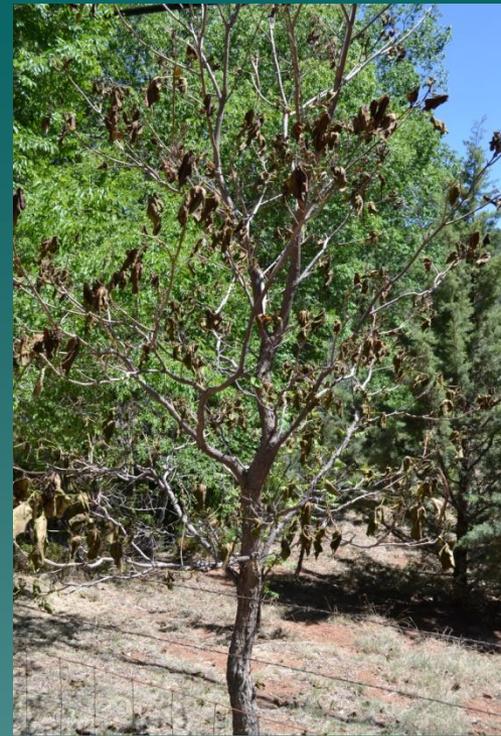
- 1960's an average of **209** structures lost to wildfire each year.
- 1970's an average of **405** structures lost to wildfire each year.
- 1980's an average of **670** structures lost to wildfire each year.
- 1990's an average of **932** structures lost to wildfire each year.
- 2000's an average of **2726** structures lost to wildfire per year for the first 8 years of this decade.



Name	Structures Damaged	Structures Lost
Horseshoe 2	1	14; 9 homes
Wallow	6	68; 32 homes
Monument	7 homes	84; 62 homes

M)	30,526	7/16/11
Nuttall Complex	29,400	6/26/2004
Dude	28,480	6/25/1990
Rattlesnake	27,500	6/28/1994
Perkins Complex	25,946	6/27/1994
Kinishba	24,734	7/13/2003
Piety Complex	24,580	6/15/1993
Redington Complex	20,725	7/28/1994

Memorial Day Storm

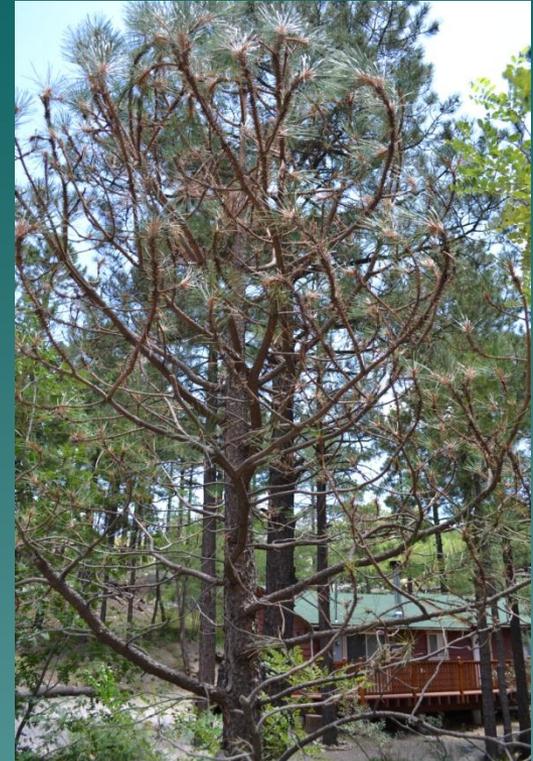


Defoliating Insects

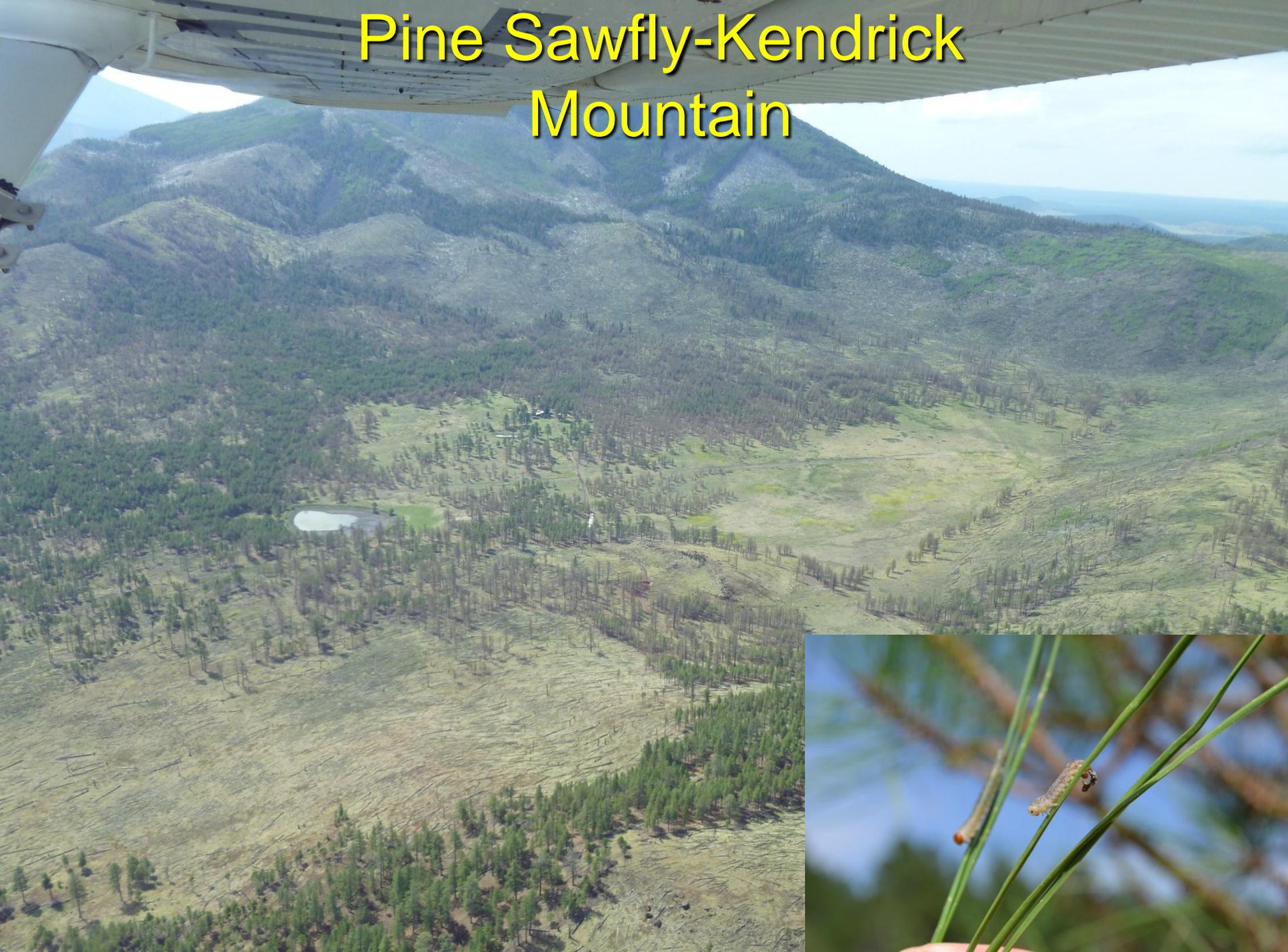
Tiger Moth



Pine Sawfly



Pine Sawfly-Kendrick Mountain



Defoliation

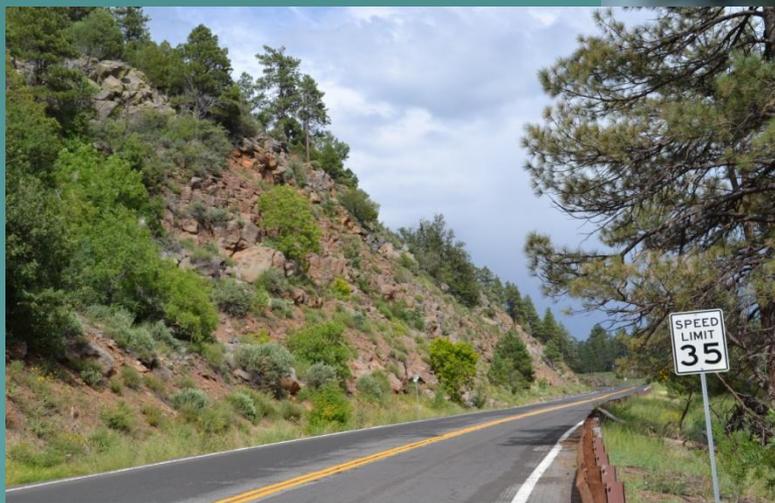
Sycamore Leaf Bronzing



Walnut Leafhoppers



Fall Webworm-Dramatic Expansion



Bark Beetles-Eagar



Drought?

White Mountain Apache
Tribal Land-August 2012





Questions?

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