

THIS PROPERTY IS MANAGED WITH PRESCRIBED FIRE BY YOUR LOCAL PRESCRIBED BURN ASSOCIATION

to maintain habitat for livestock and wildlife,
and reduce the impact of wildfires.

www.ok-pba.org

Oklahoma Prescribed
Burn Association



The Benefits of a State Burn Alliance: Experiences from Other States

John R Weir

Natural Resource Ecology & Management

Oklahoma State University



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If a Little Fire is Good, Then a Whole Lot is Better!

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Natural Resource Ecology & Management
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Quit Worrying About It and Burn It!

John R Weir
Natural Resource Ecology & Management
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Getting More Fire on the Ground: The How, Why and Where?

John R Weir

Natural Resource Ecology & Management

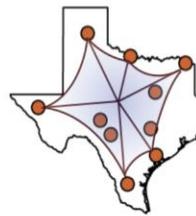
Oklahoma State University



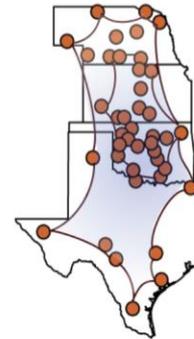
Local Property



County

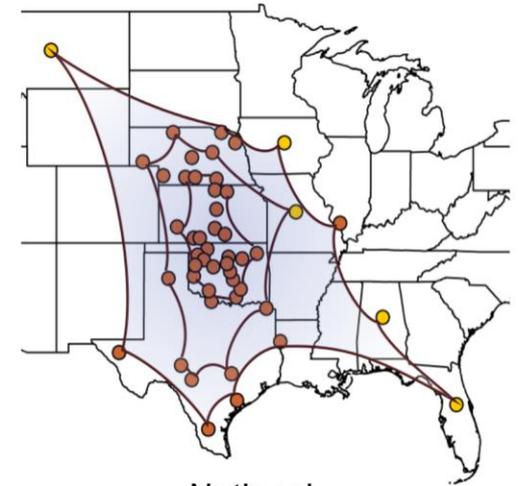


State



Regional

Artwork by Christine Bieski



National

Potential Scale of Impact

Local Impact

Management of Fire Dependent Social-Ecological Values

National Impact

Local Problem

External Perception of the Scale of the Problem

National Problem

Local/Internal Dependence

Adaptive Capacity of PBAs

National/External Support

Local Change

Cultural Change

National Change

Local Influence

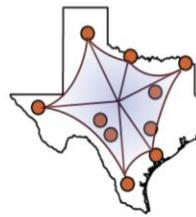
Legislative Influence

National Influence

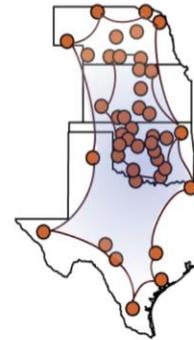
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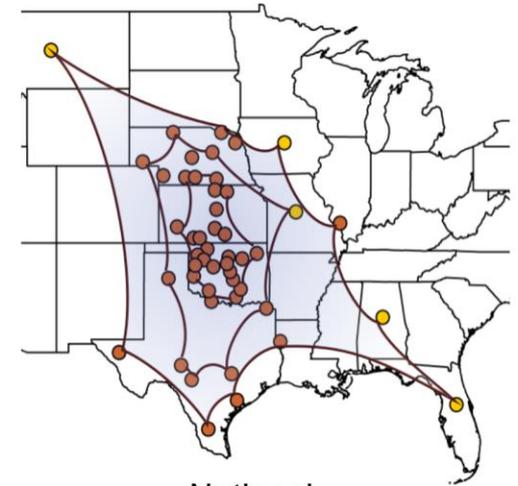


State



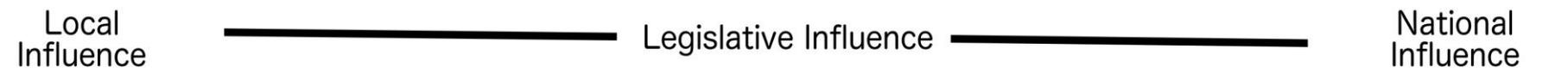
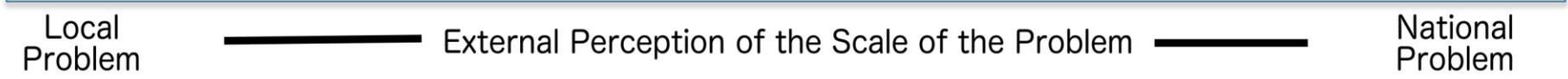
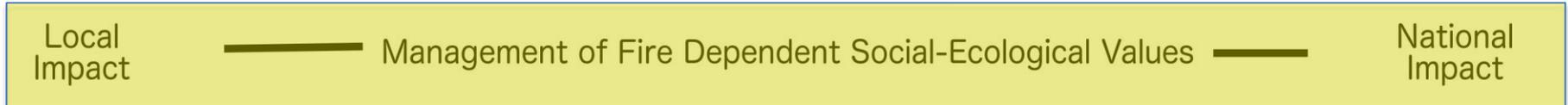
Regional

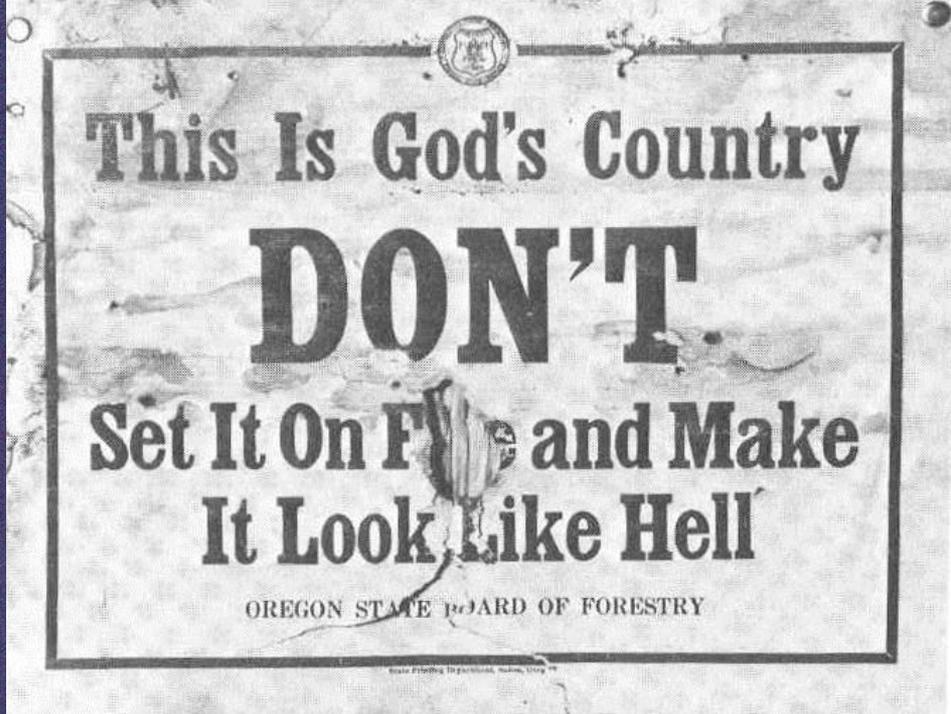
Artwork by Christine Bieski



National

Potential Scale of Impact





Fire Past and Present

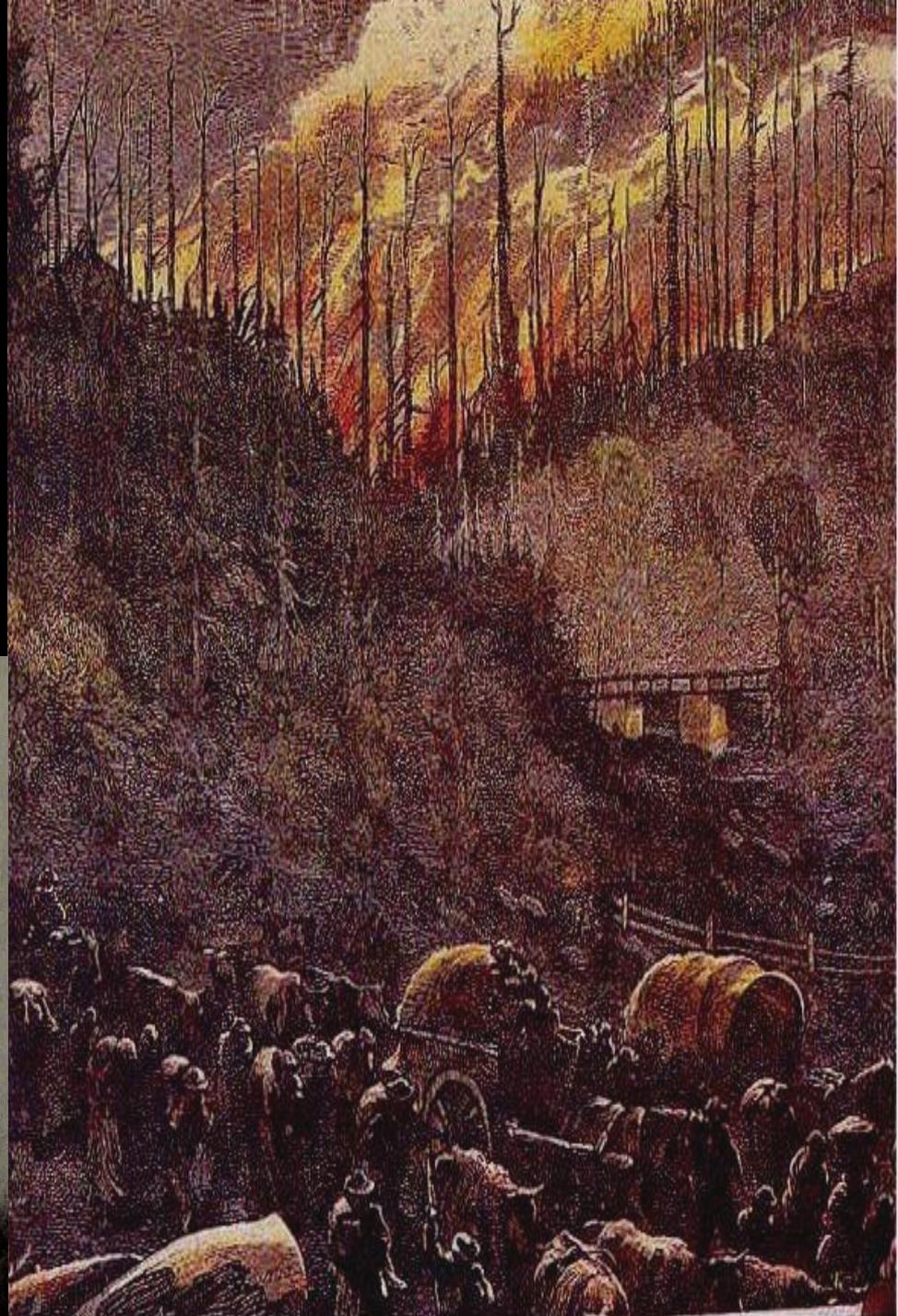
Native American fire had the largest impact on the landscape



Fire in Europe became feared and hated due to people settling in towns-fire caused loss of life and property.

Towns were made of straw and wood-easily devoured by fire

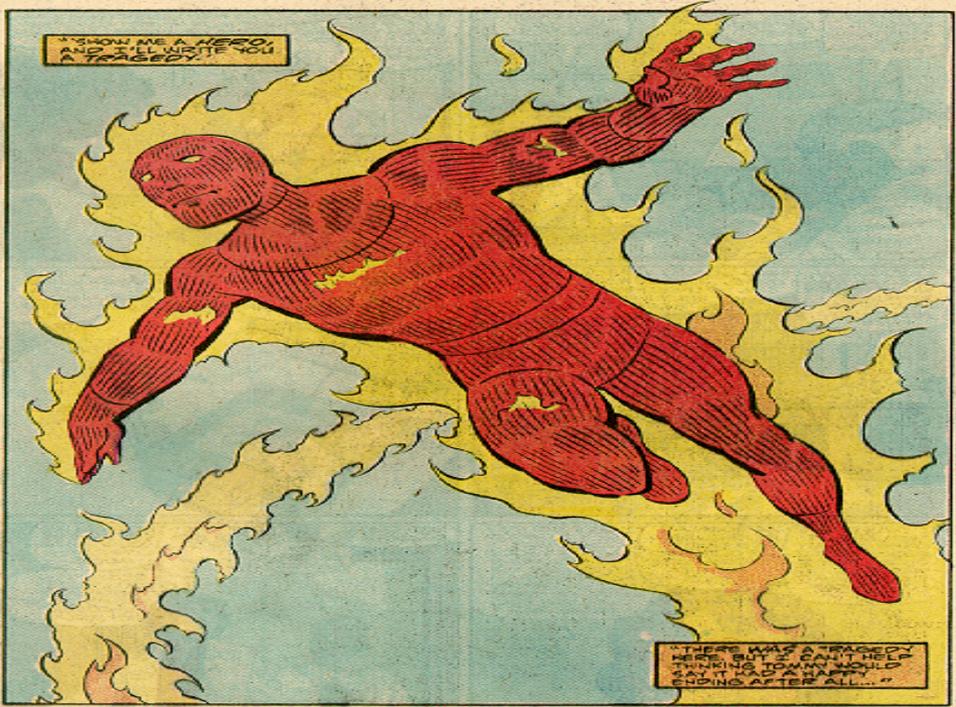
Fire became evil, associated with rituals and witchcraft



What we are told about fire as a child?

- Don't play with fire
- Don't play with matches
- Don't you will get burned!
- If you play in the fire you will wet the bed
- Get away from that fire!

Don't play with matches





Bambi

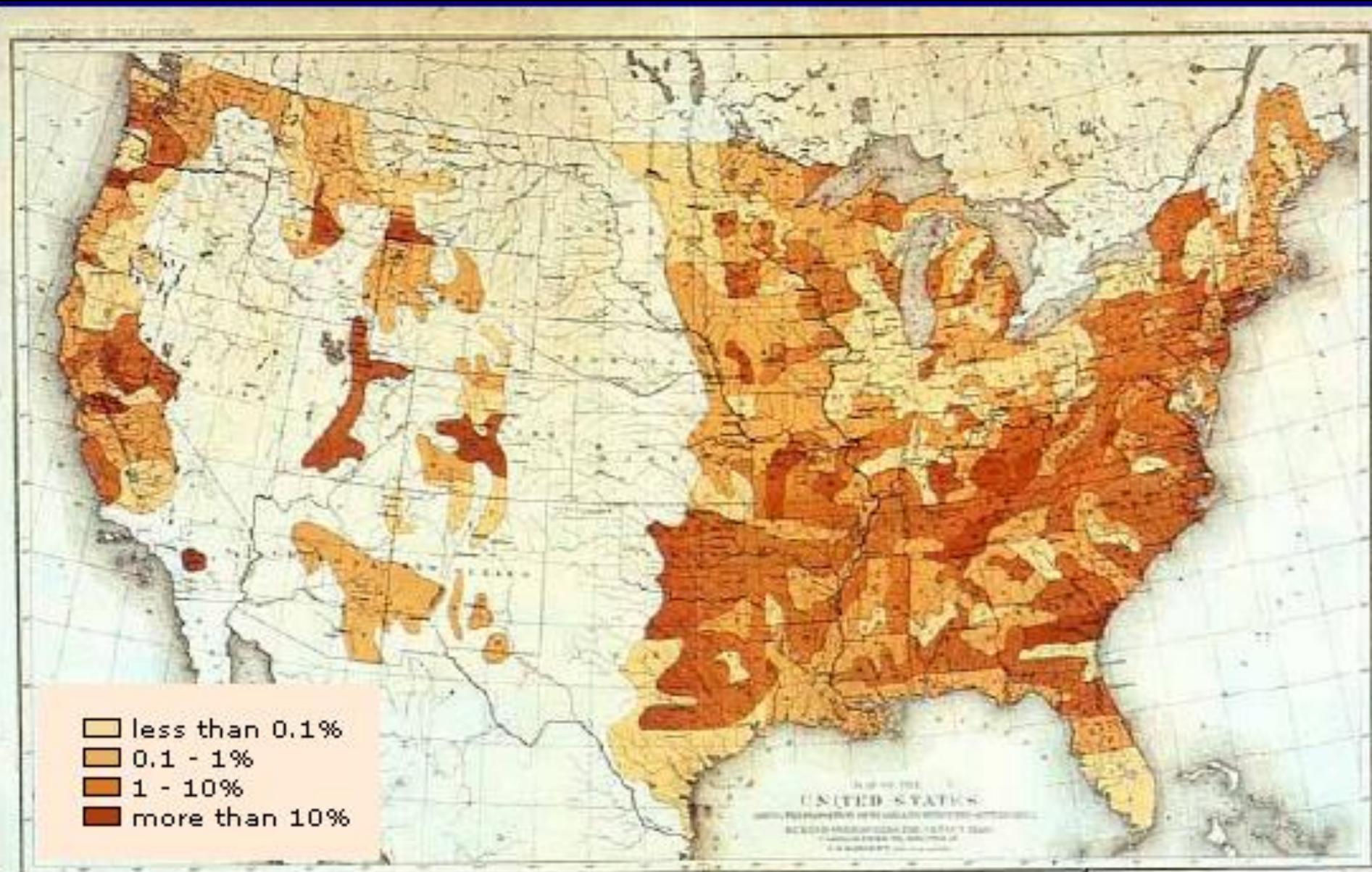
- Introduced in 1943
- Had a pro-fire ecology message
- Did anyone get it?
- Tried to make Bambi a fire prevention character

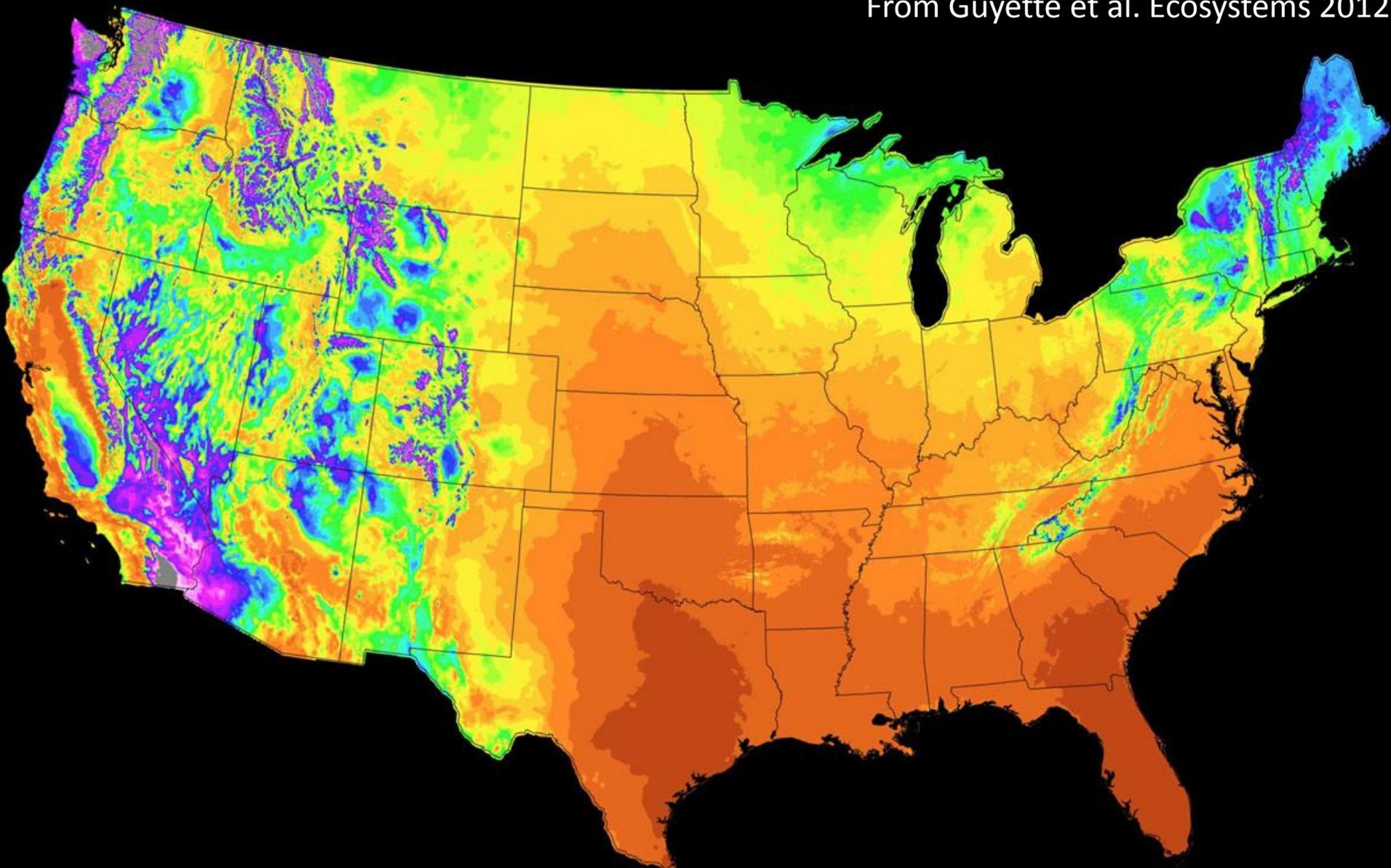
Smokey Bear

- Began in 1944 from a ad agency in Los Angeles
- The famous message appeared in 1947 Only you.....
- Then in 1950 a cub was found in the Lincoln National Forest
- Sent to National Zoo in DC, died there in 1976
- So popular had his own zip code
- New message- Only you can prevent wildfires
- How do you combat this anti-fire icon

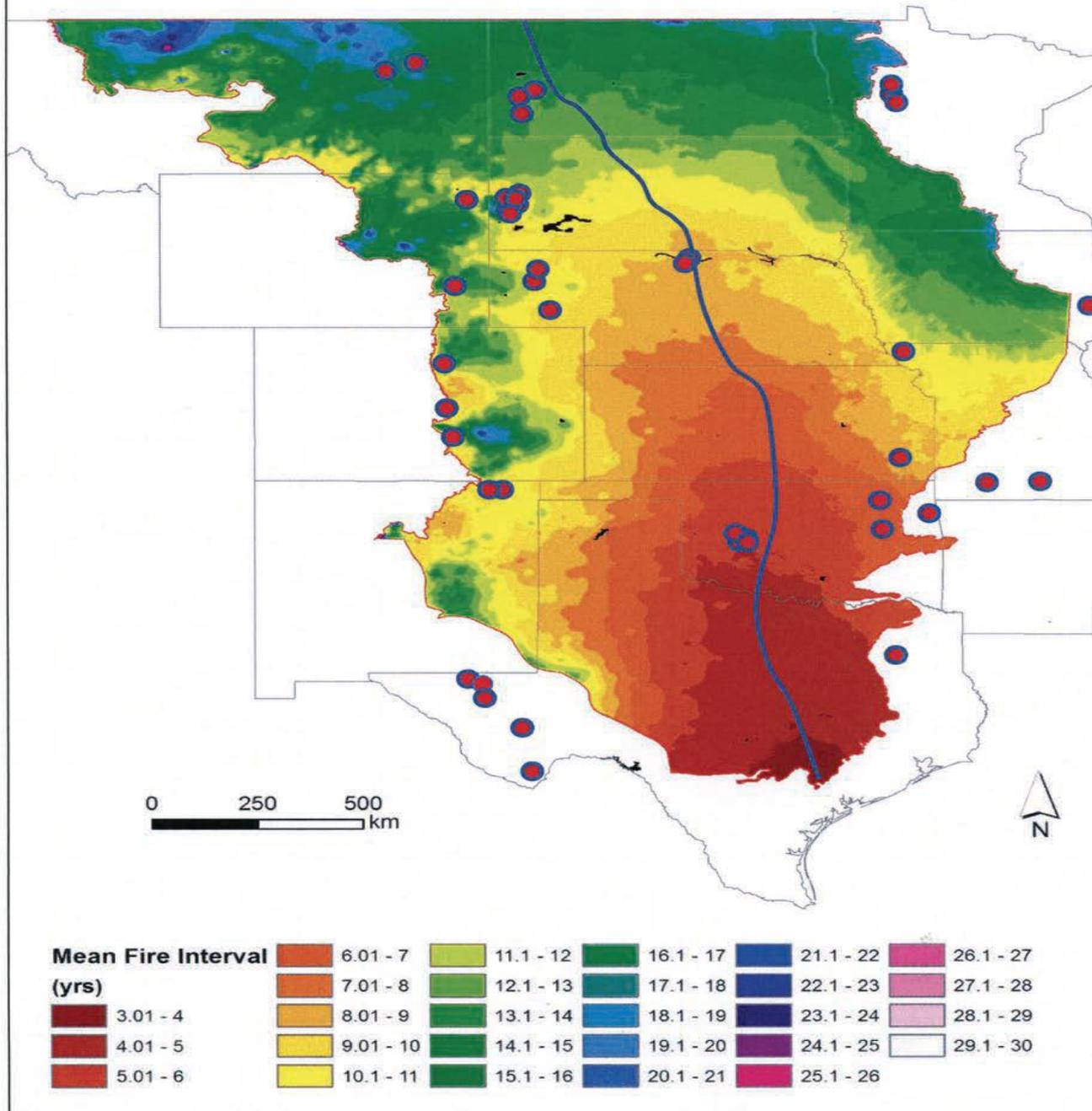


Why Fire?





From Guyette et al. Great Plains Research 2015



2/16/1995

3/31/2012



Image U.S. Geological Survey

East of Woodward, OK 1995 and 2012

Google earth

2003

Imagery Date: 2/16/1995 36°26'27.28" N 99°05'29.31" W elev 1854 ft eye alt 3977 ft

2003

Imagery Date: 3/31/2012 36°26'27.28" N 99°05'29.31" W elev 1854 ft eye alt 3977 ft

2/20/1995

2/24/2012



Image U.S. Geological Survey

SW of Stillwater, OK 1995 and 2012

Google earth

1995

Imagery Date: 2/20/1995 36°04'58.84" N 97°09'21.57" W elev 1078 ft eye alt 3817 ft

1995

Imagery Date: 2/24/2012 36°04'58.84" N 97°09'21.57" W elev 1078 ft eye alt 3817 ft



Image U.S. Geological Survey

Clipped cedar, No Fire 1995 and 2011

Google earth

Google earth

1995

Imagery Date: 2/19/1995 36°01'34.64" N 97°13'22.01" W elev 1074 ft eye alt 2701 ft

1995

Imagery Date: 9/26/2011 36°01'34.64" N 97°13'22.01" W elev 1074 ft eye alt 2701 ft

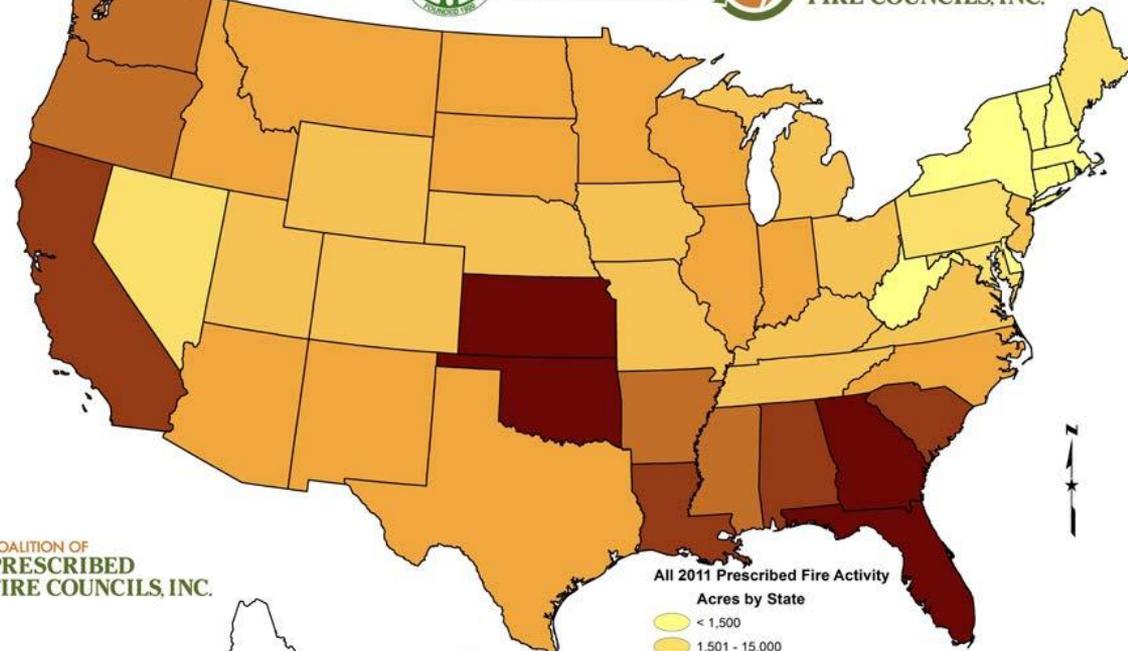
Prescribed fire use is on the increase!



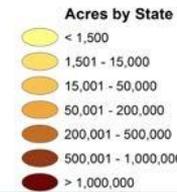
NATIONAL ASSOCIATION OF State Foresters



COALITION OF PRESCRIBED FIRE COUNCILS, INC.



All 2011 Prescribed Fire Activity



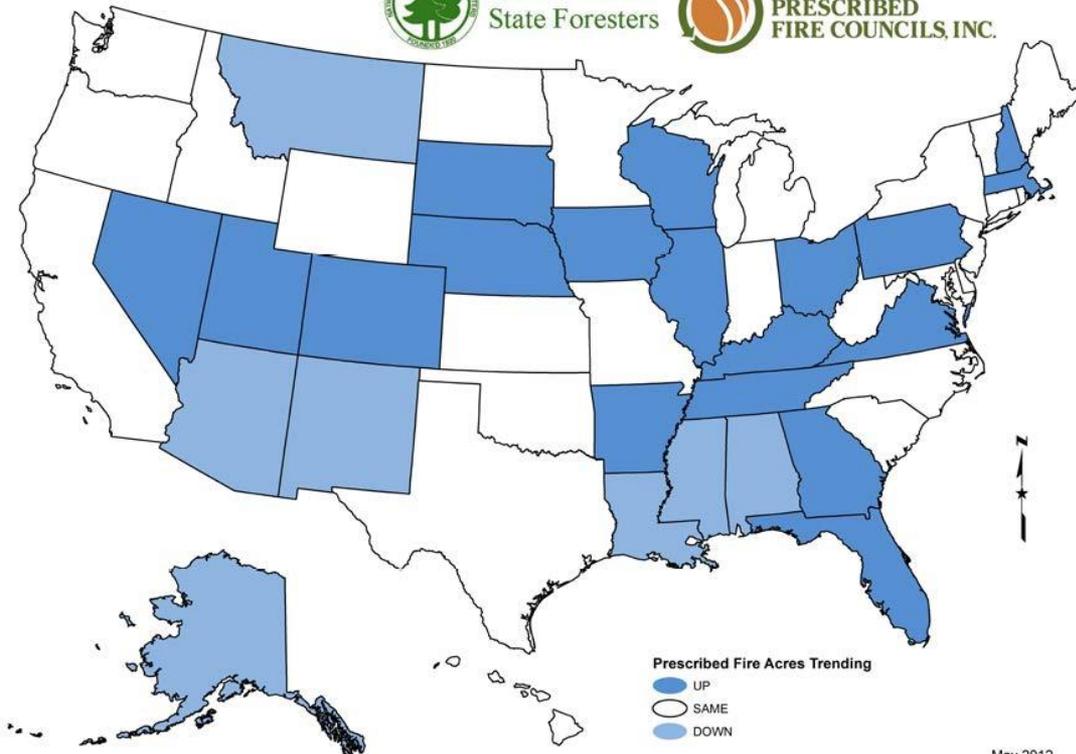
May 2012



NATIONAL ASSOCIATION OF State Foresters



COALITION OF PRESCRIBED FIRE COUNCILS, INC.



Prescribed Fire Acres Trending

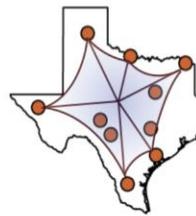


May 2012

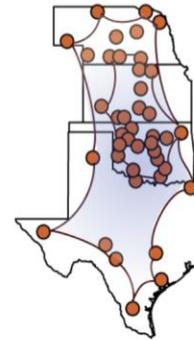
Local Property



County

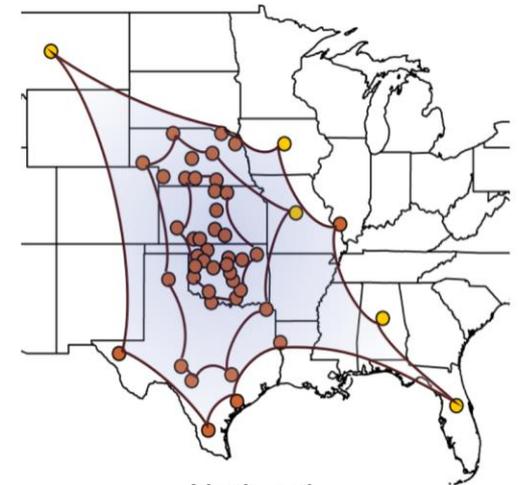


State



Regional

Artwork by Christine Bieski



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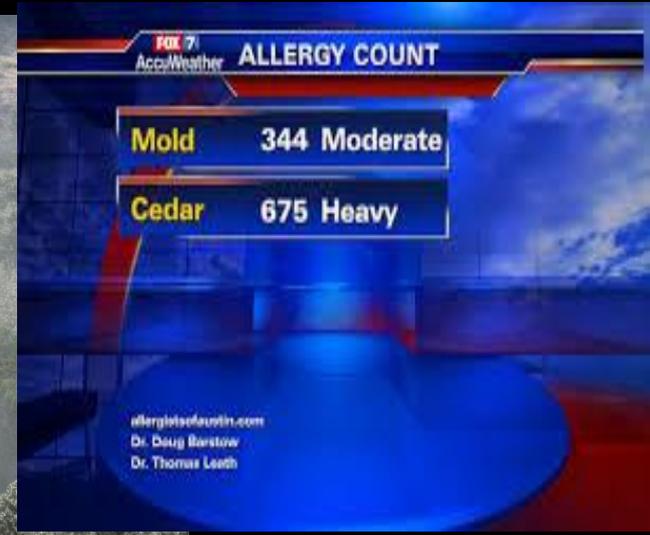
National Change

Local Influence

Legislative Influence

National Influence

Why Fire?



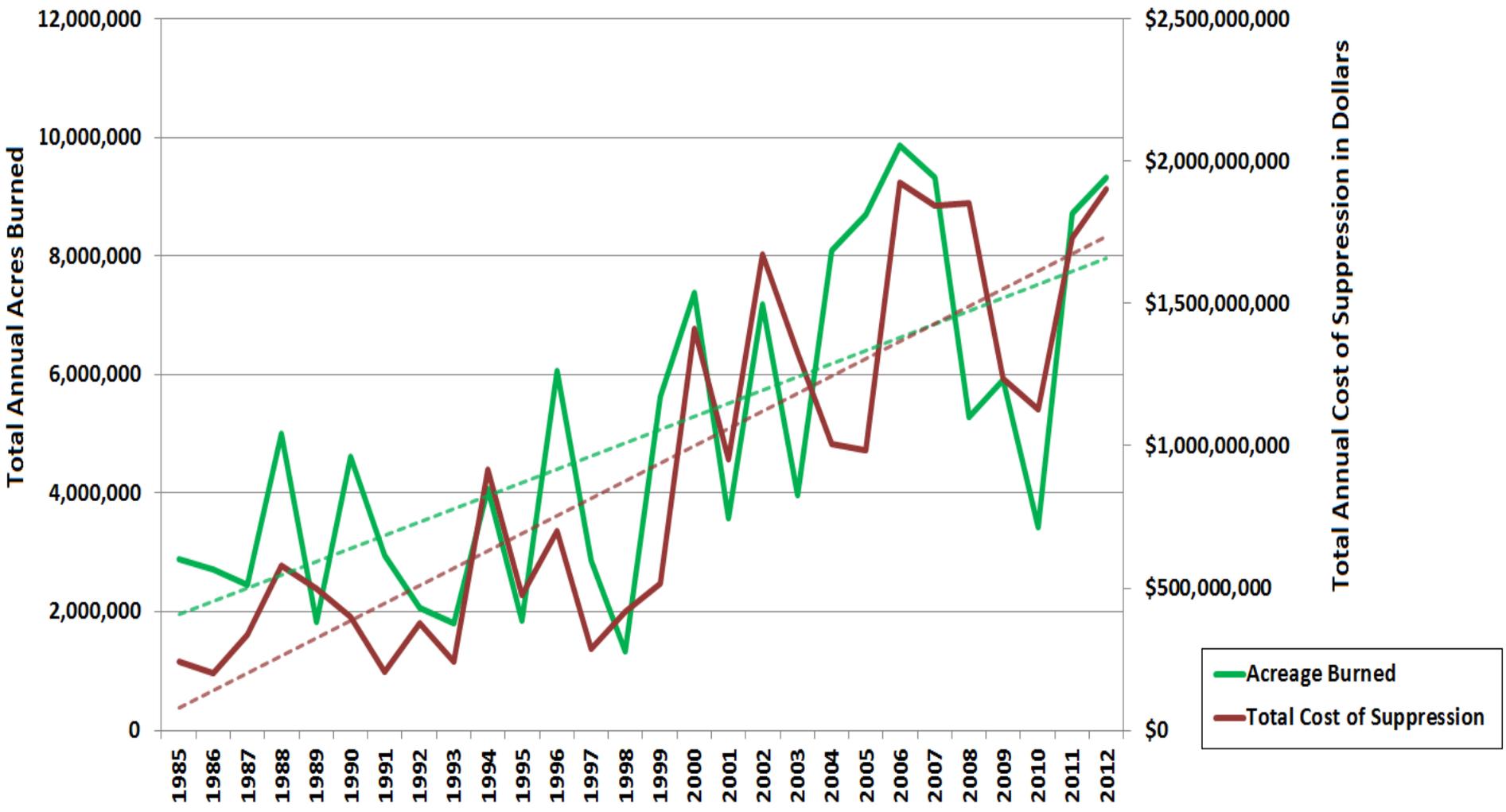
Wildfire Locally

- 2011 40,000 acre wildfire in OK \$5 million to suppress**
- 2009 \$30 million in property damage due to wildfire in OK**
- 2011 in TX \$500 million in insured losses, plus \$48 million in suppression**



Wildfire Nationally

Cost of Suppression and Annual Acreage Burned

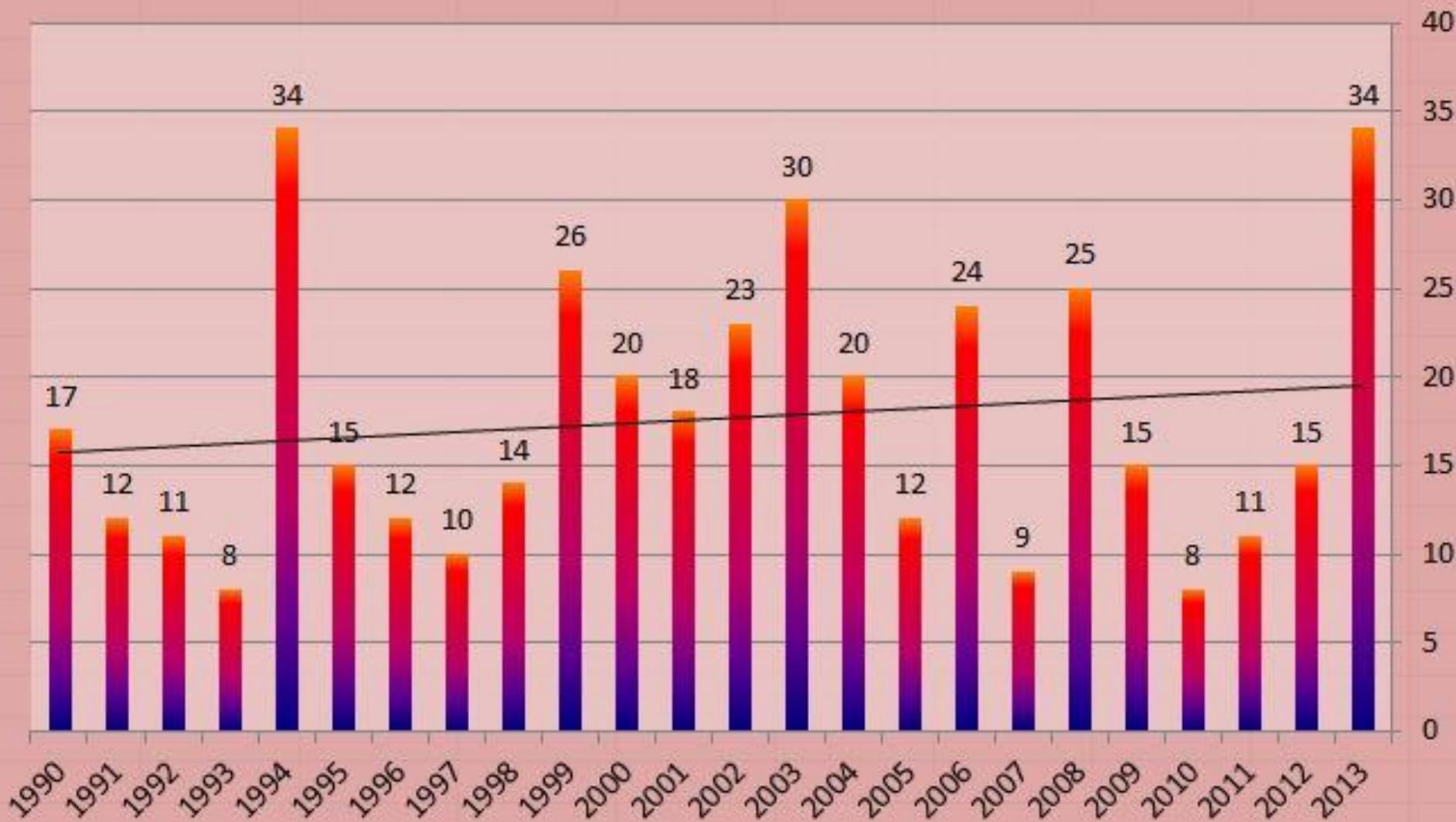


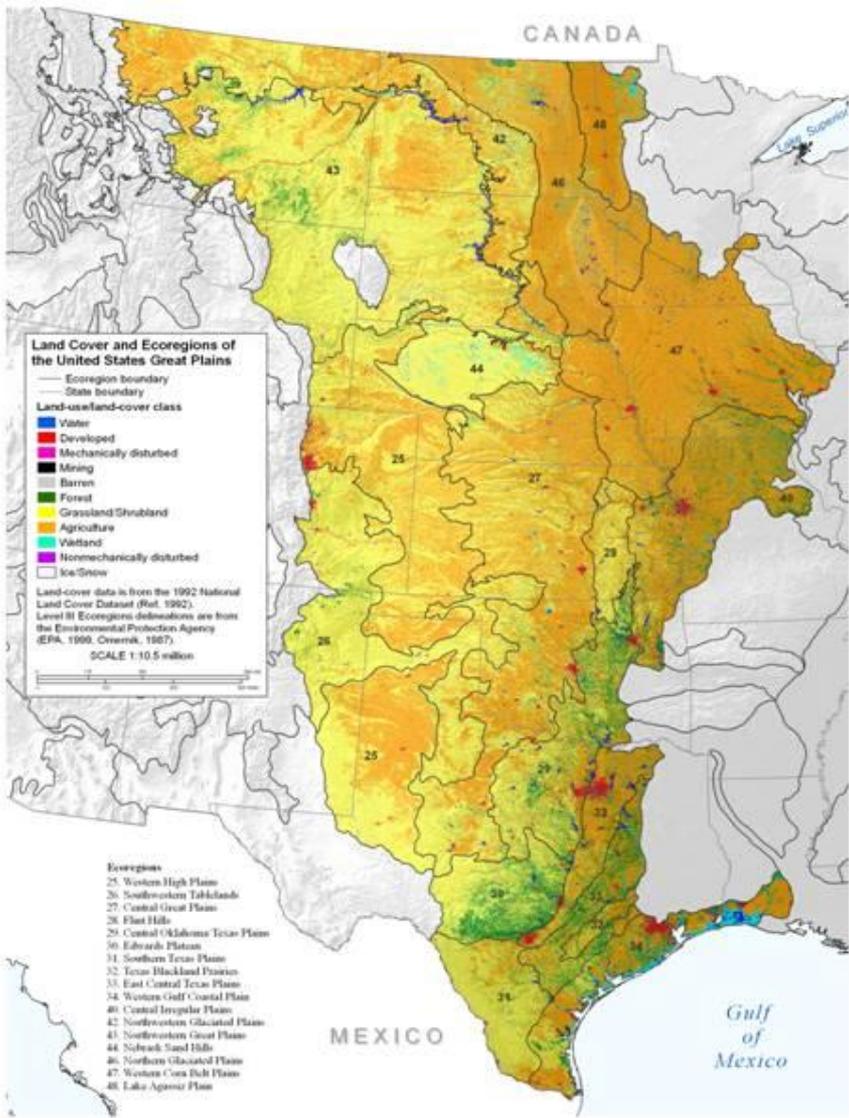
Data Source- National Interagency Fire Center

Wildfire The Real Cost!

Wildland Fire Fatalities in United States, 1990 - 2013

Data from NIFC





How Do You Get Fire on Private Land?
NE 97.2%...KS 98.1%...OK 95.4%...TX 95.8%

-How do we get Federal wildfire funds to private lands?

-What would or could we do with a \$2 Billion prescribed fire budget?

-What if wildfire suppression goes to FEMA?



I MOVED OUT HERE
TO THE EDGE OF THE
WILDERNESS TO GET
AWAY FROM ZONING AND
BUILDING CODES AND
LAND USE PLANS...



I DON'T WANT
THE GOVERNMENT
TO TELL ME
HOW TO LIVE!

I JUST WANT
THE GOVERNMENT
TO SAVE MY HOUSE
FROM THESE
FOREST FIRES!!

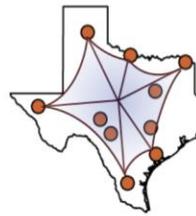


© 2002 HORSEY
SCOTT
POST-INTELLIGENCE
TRAINING MEDIA SERVICES

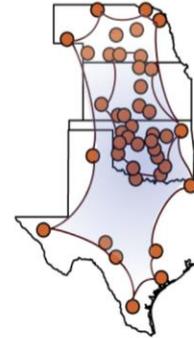
Local Property



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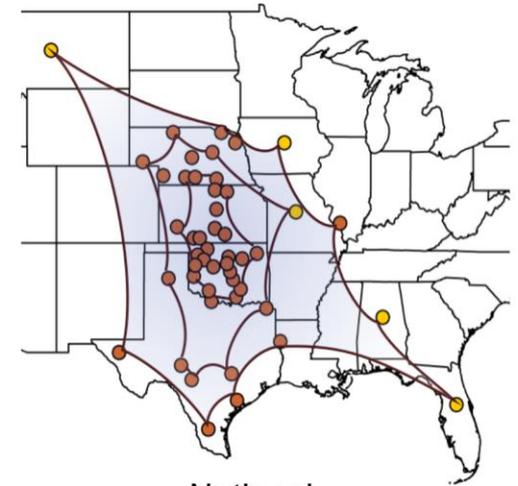


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Local Influence

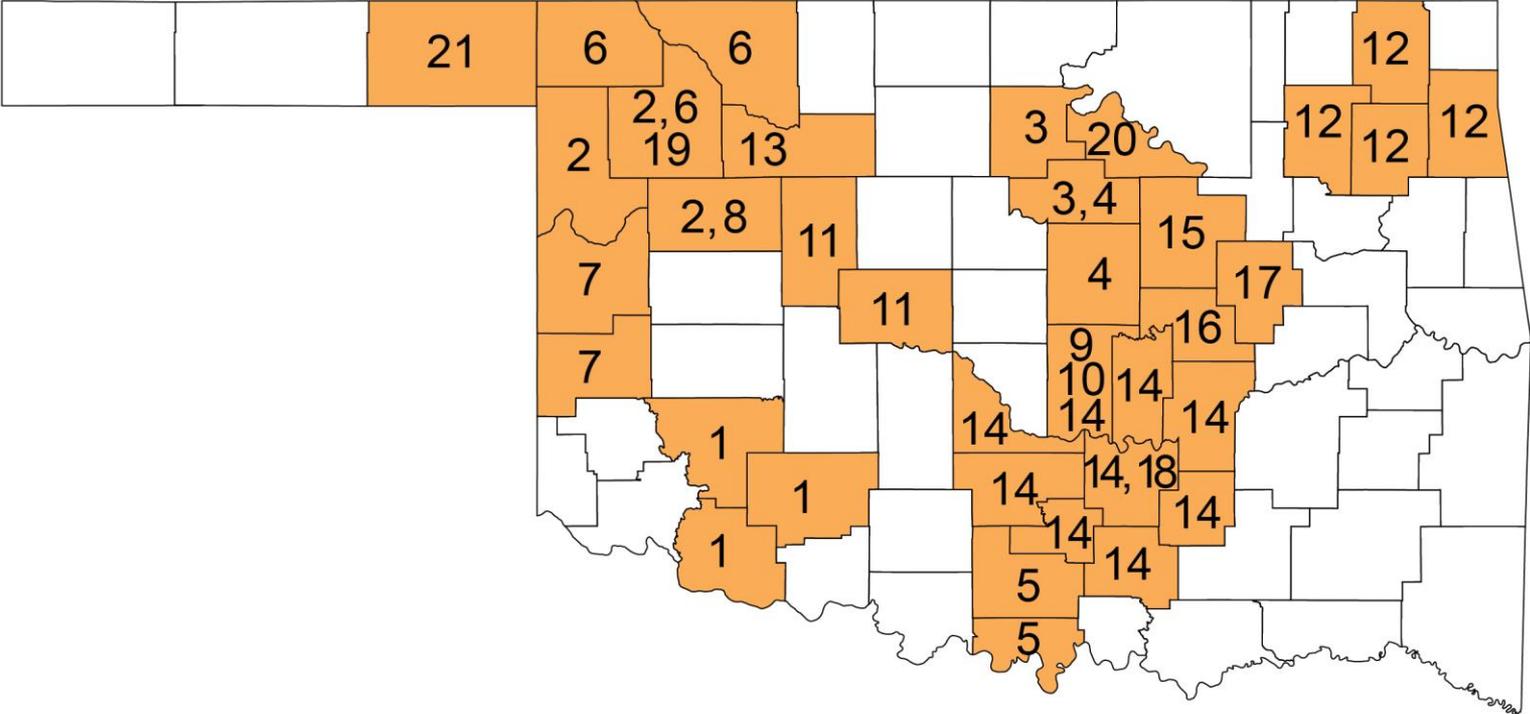
Legislative Influence

National Influence



What are Burn Associations?

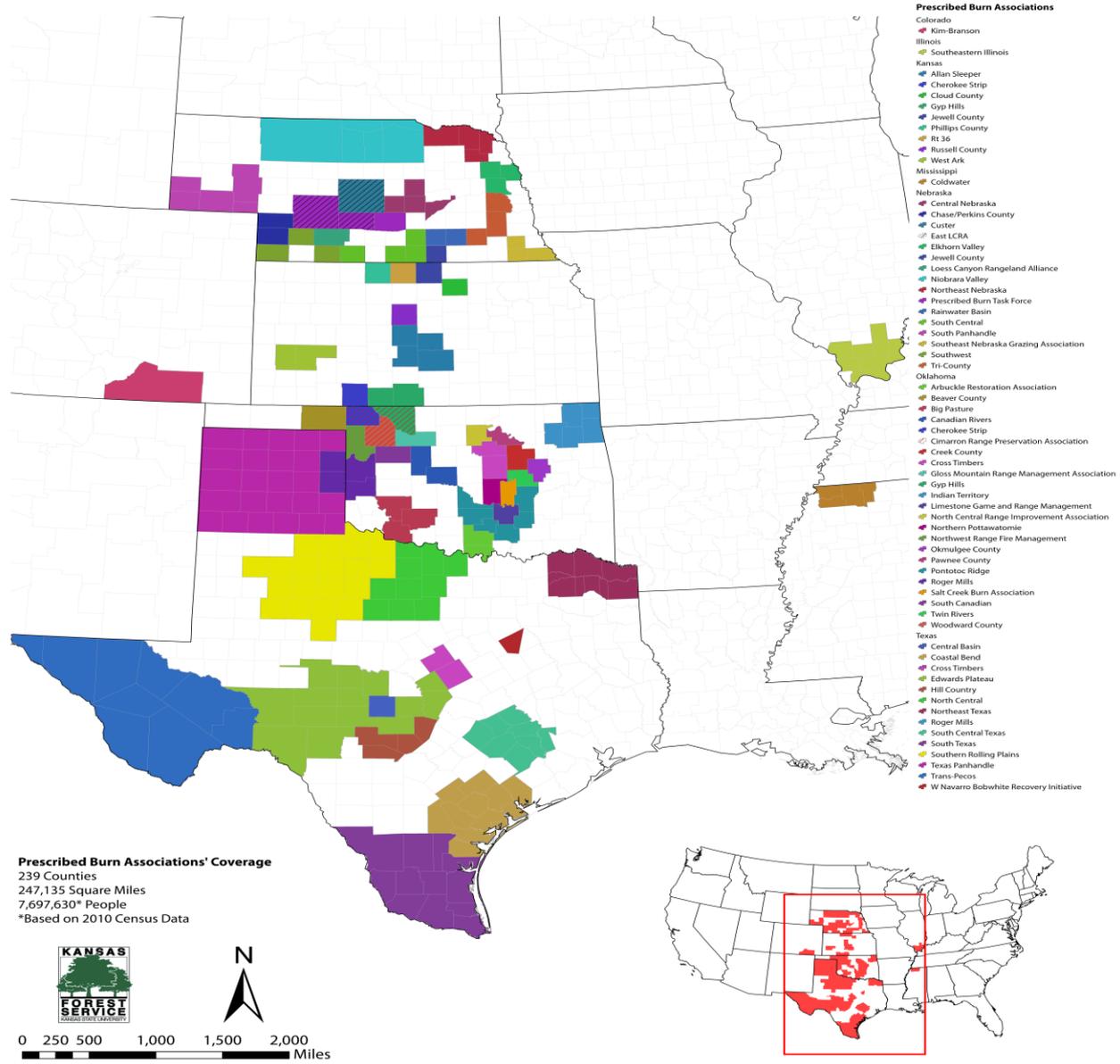
Oklahoma's Local Prescribed Burn Associations



- 1. Big Pasture Prescribed Burning Association
- 2. Northwest Range Fire Management Association, Inc
- 3. North Central Range Improvement Association
- 4. Cross Timbers Prescribed Burn Association
- 5. Arbuckle Restoration Association
- 6. Cimarron Range Preservation Association
- 7. Roger Mills Prescribed Burn Association
- 8. South Canadian Prescribed Burn Association
- 9. Salt Creek Prescribed Burn Association
- 10. Northern Pottawatomie County Prescribed Burn Association
- 11. Canadian Rivers Prescribed Burn Association

- 12. Indian Territory Burn Association
- 13. Gloss Mountain Prescribed Burn Association
- 14. Pontotoc Ridge Prescribed Burn Association
- 15. Creek County Prescribed Burn Association
- 16. Twin Rivers Prescribed Burn Association
- 17. Okmulgee Prescribed Burn Association
- 18. Limestone Game & Range Management Association
- 19. Woodward County Prescribed Burn Association
- 20. Pawnee County Prescribed Burn Association
- 21. Beaver River Prescribed Burn Association

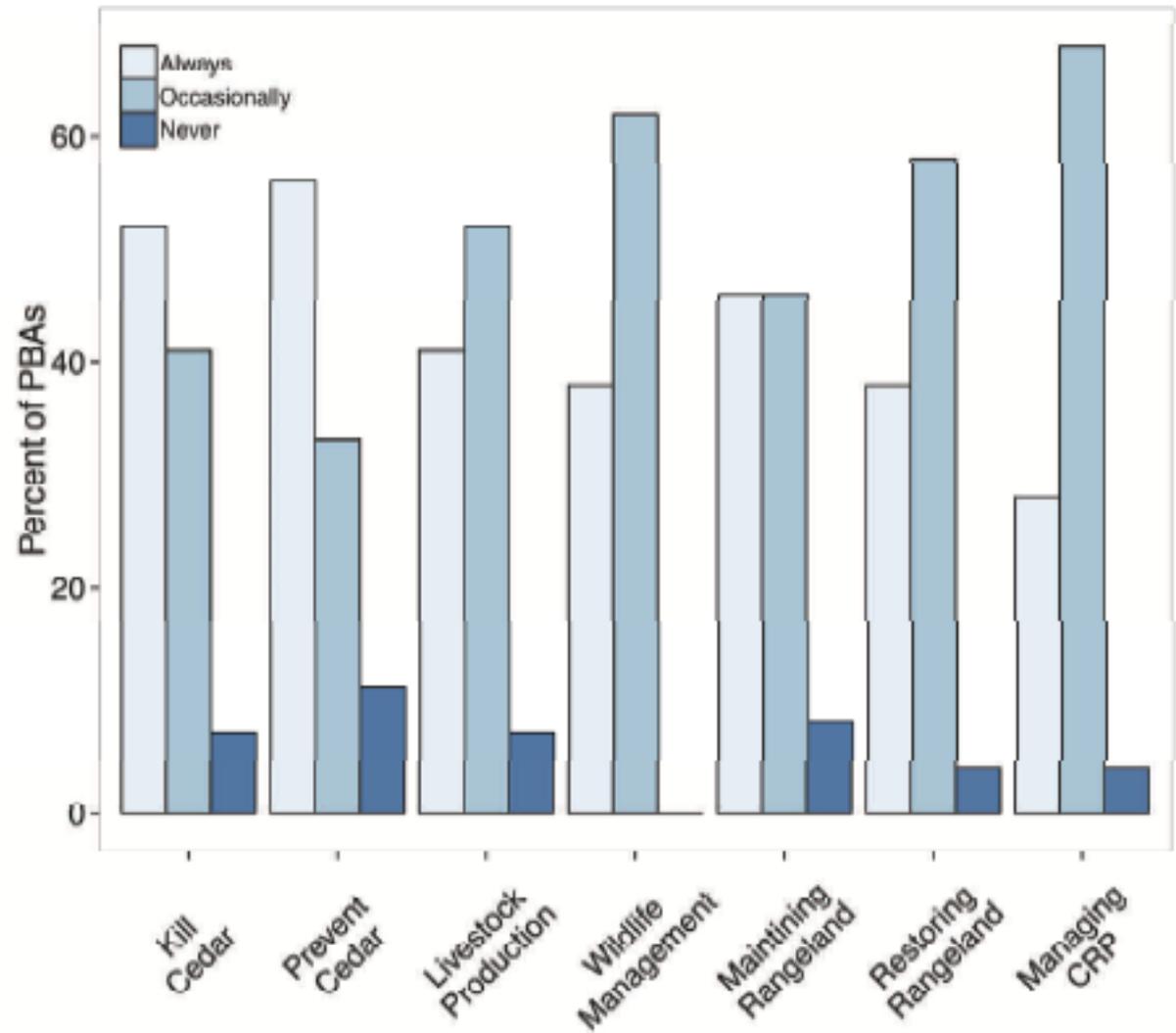
Current Locations of Prescribed Burn Associations



Prescribed Burn Associations

2012 survey of 27 PBAs

Goals and Objectives of Burns

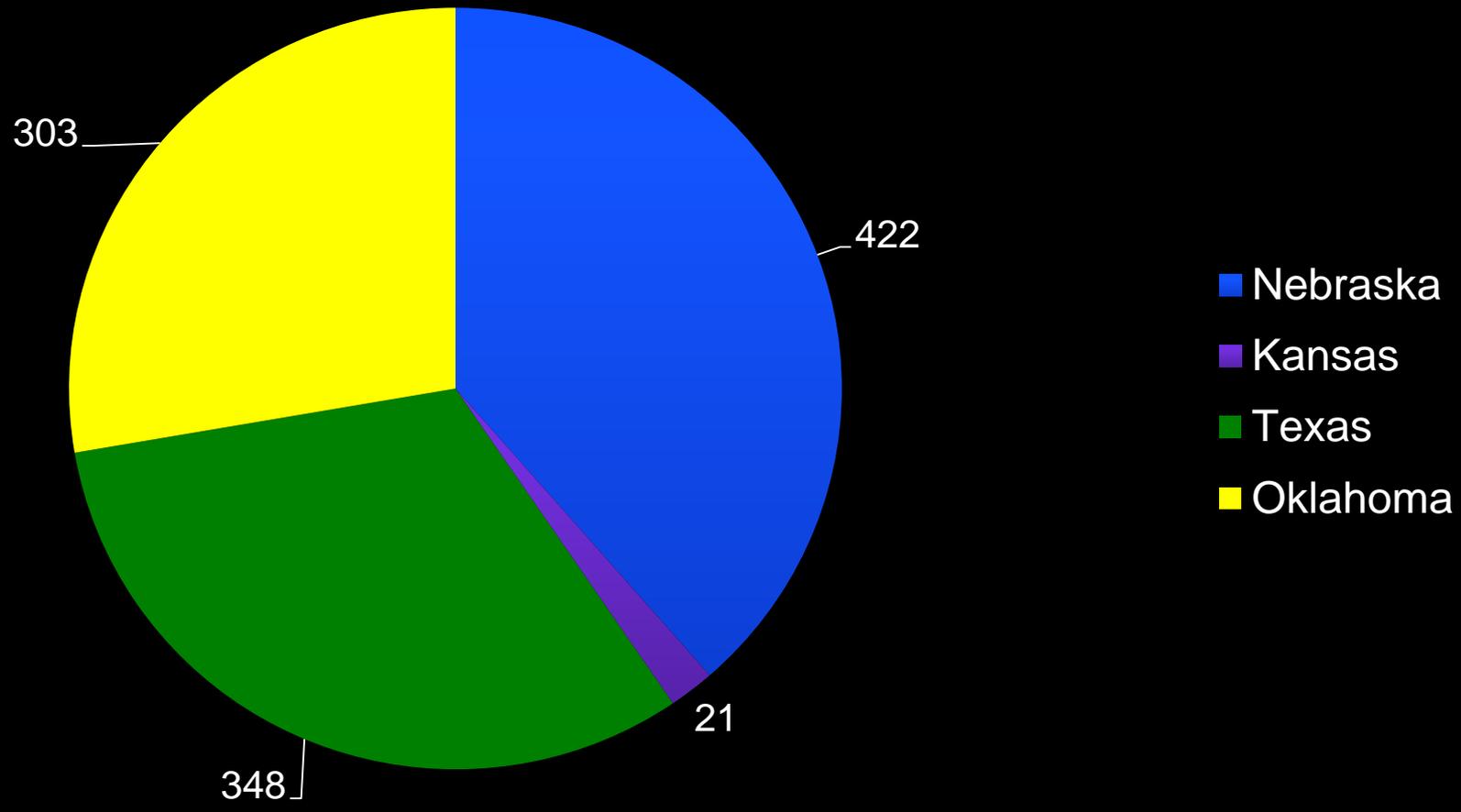


Prescribed Burn Associations

2012 survey of PBAs

1,094 burns conducted

Number of Fires Conducted

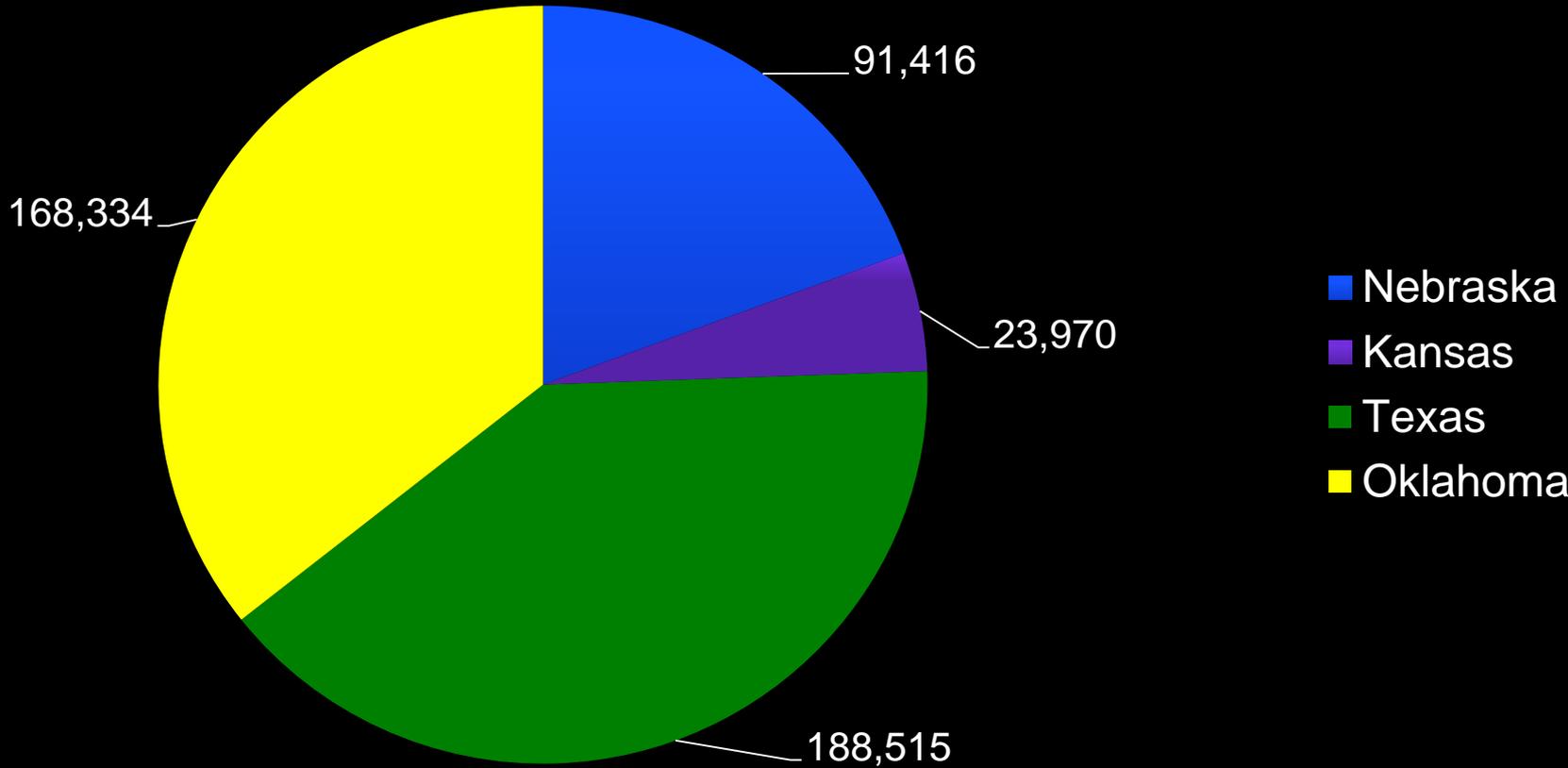


Prescribed Burn Associations

2012 survey of PBAs

472,235 acres burned

Number of Acres Burned



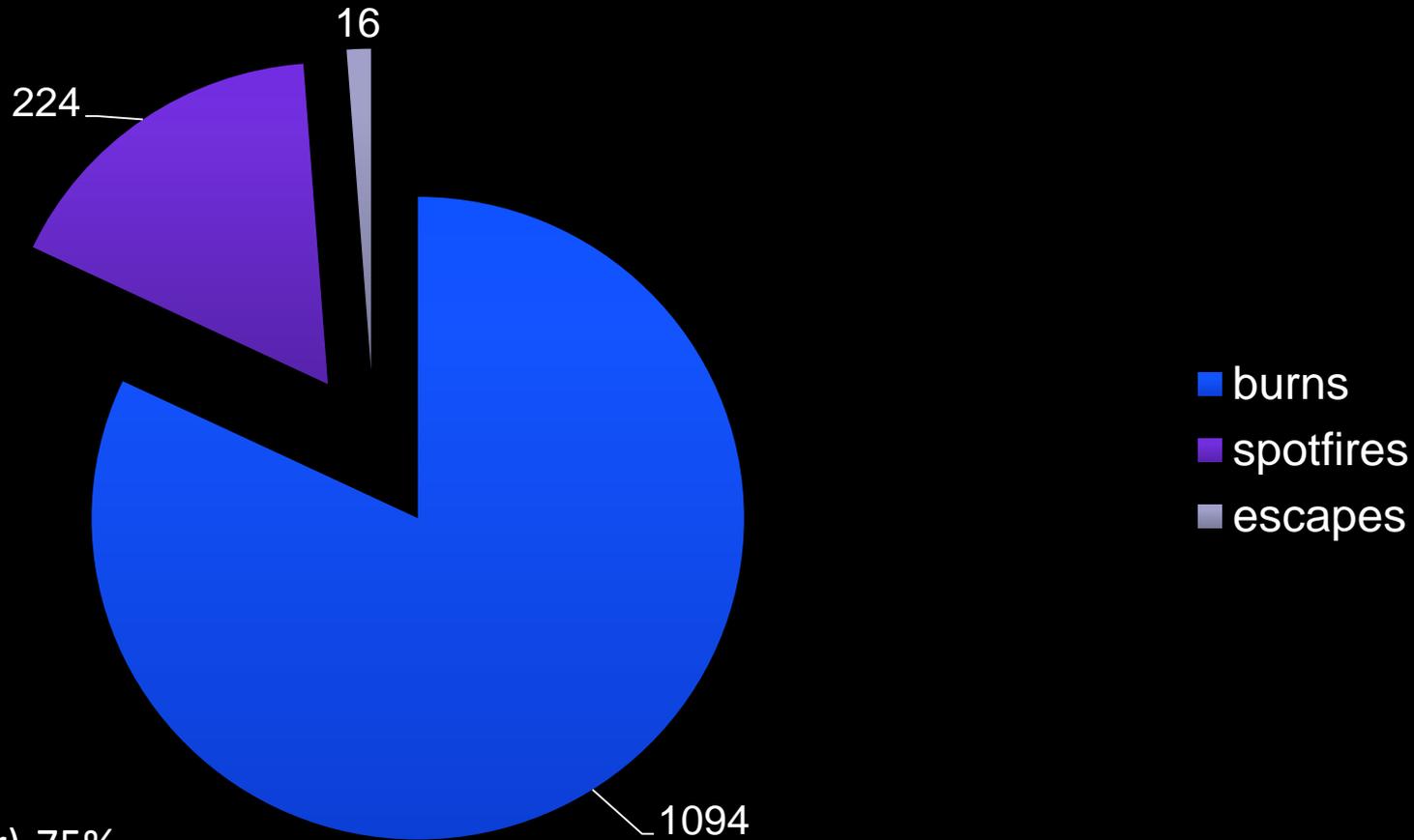
Prescribed Burn Associations

2012 survey of 27 PBAs

Spotfires-21%

Escapes-1.5%

Spotfire and Escaped Fires



Insurance Claims-0

Lawsuits-0

Volatile Fuels (cedar)-75%

Prescribed Burn Associations

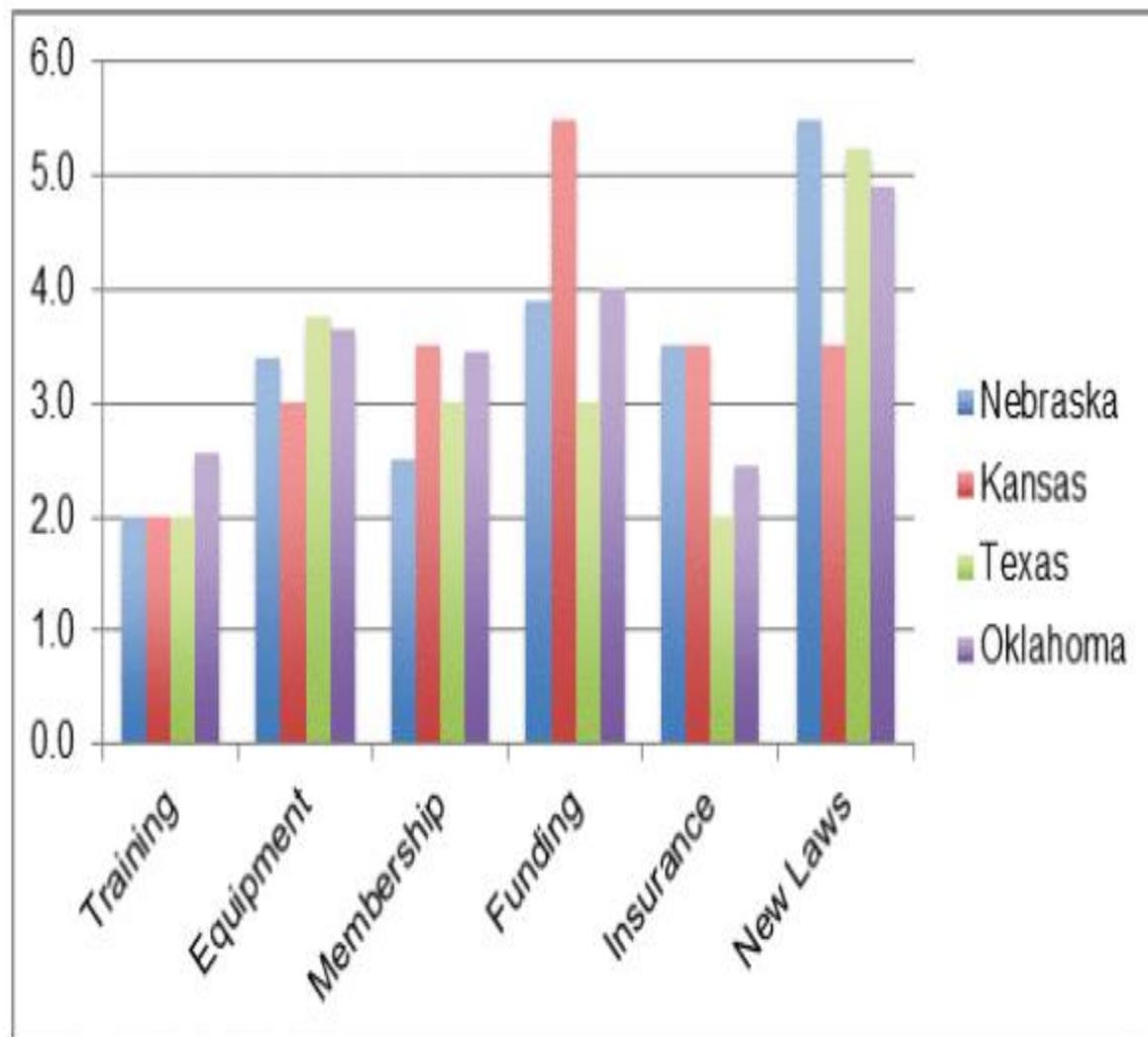
2012 survey of 27 PBAs

Needs

Ranked 1 to 6

1. Training (2.1)
2. Insurance (2.9)
3. Membership (3.1)
4. Equipment (3.4)
5. Funding (4.8)
6. New Laws (4.8)

We are equipping and funding PBAs, but not training them!



Oklahoma Prescribed Burn Association

- Formed in 2011
- Involved key conservation groups in the state

Goals

- Working with existing PBAs and forming new ones
- Working on funding
- Provide equipment and training
- Finding group insurance

Oklahoma Prescribed
Burn Association



Oklahoma Prescribed Burn Association

What Have We Done:

- 501(c)3 with affiliation agreement
- Statewide radio frequency and access to radios
- Donations of fire equipment and burn trailers
- Funding through grants
- Access to online and hands-on training



Oklahoma Prescribed Burn Association Accomplishments:

- Website for information, posting burn information, calendar of events
www.OK-PBA.org
- Advocate for the PBA
- Partnership building with other groups throughout the state and region
- Liability insurance
- Hire regional coordinators to work with the PBAs



The Region:

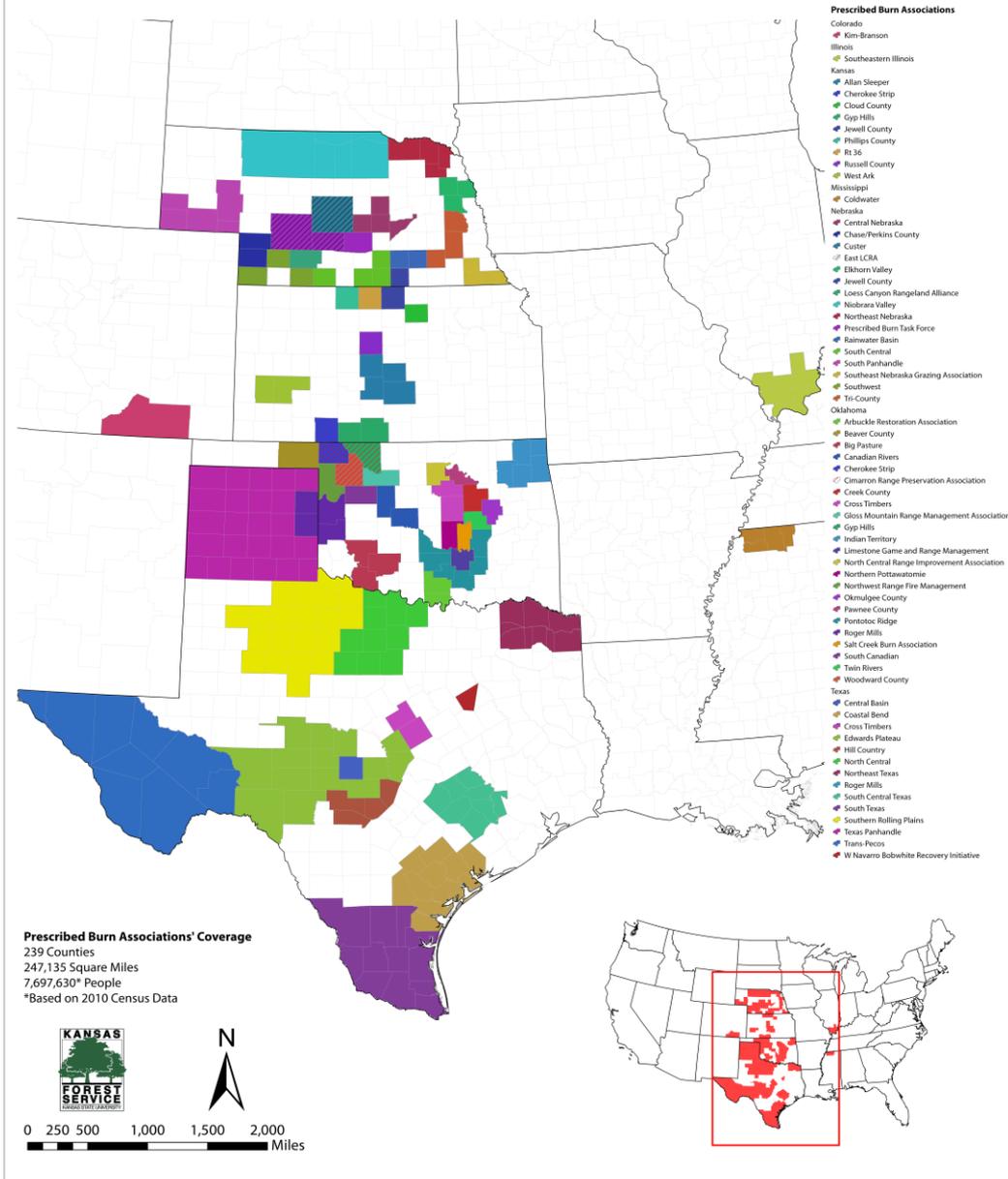
- Prescribed Burn Alliance of Texas
- Kansas Prescribed Burn Association
- Nebraska Prescribed Fire Council

Oklahoma Prescribed Burn Association



KANSAS
PRESCRIBED
BURN
ASSOCIATION

Current Locations of Prescribed Burn Associations



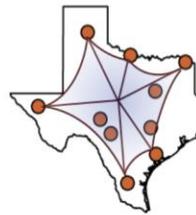
Alliance of Prescribed Burn Associations

- Formed in 2012
- Currently working within Great Plains OK, TX, KS, NE
- Working for the PBAs
- Working on regional issues
- Looking to expand

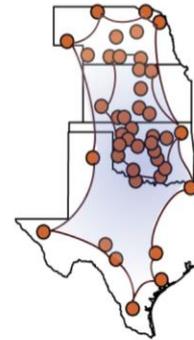
Local Property



County

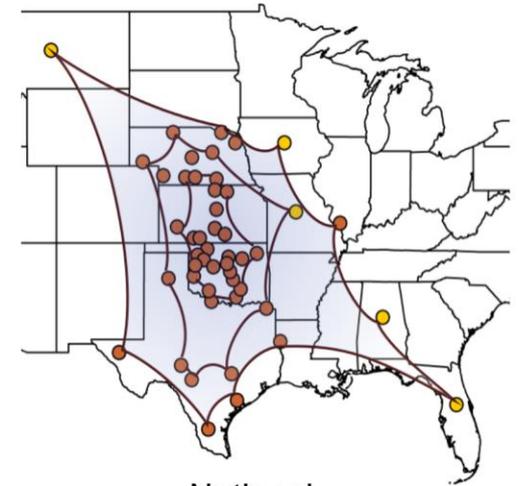


State



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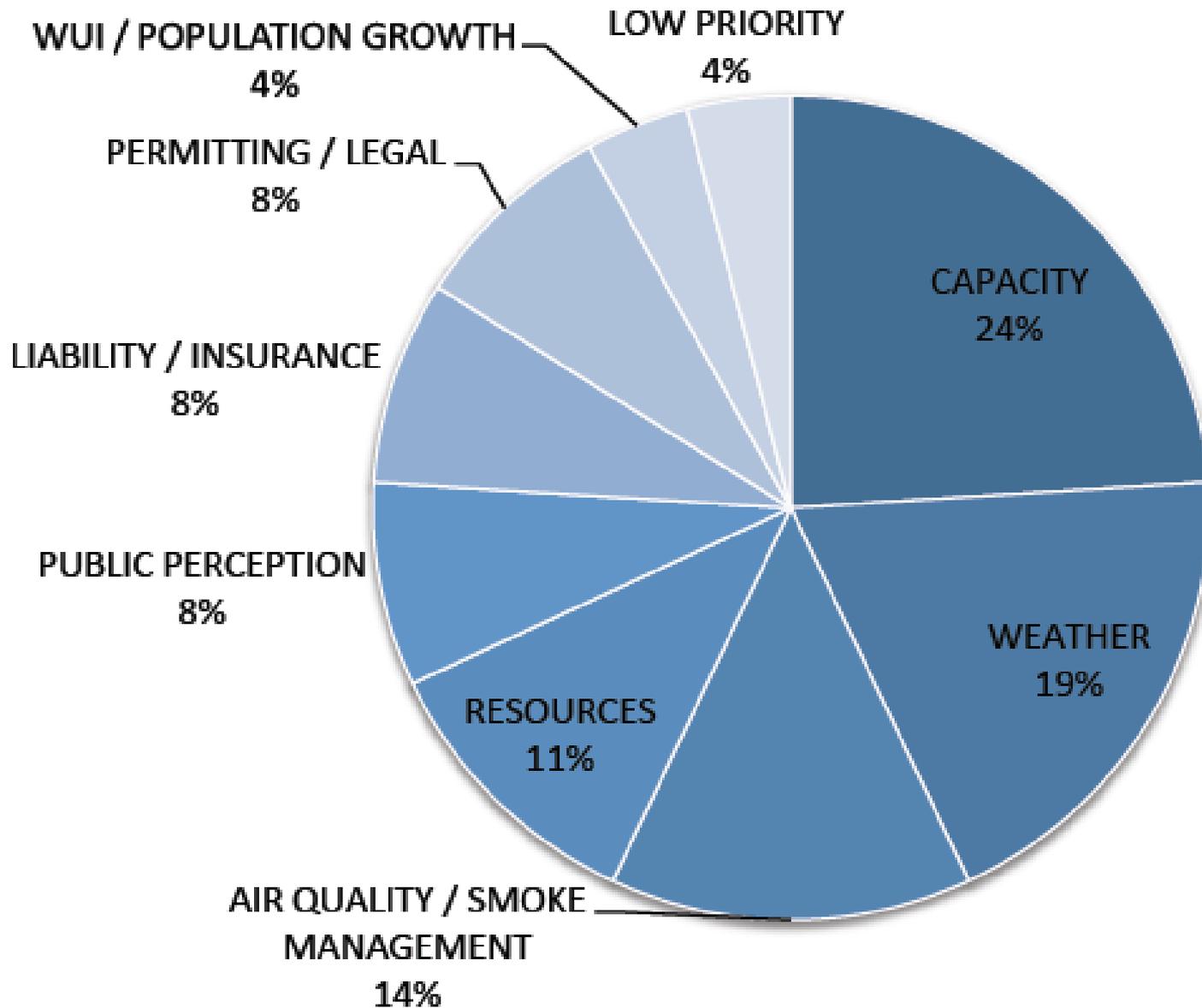
National Change

Local Influence

Legislative Influence

National Influence

Impediments Limiting Prescribed Fire Use Nationwide Ranking



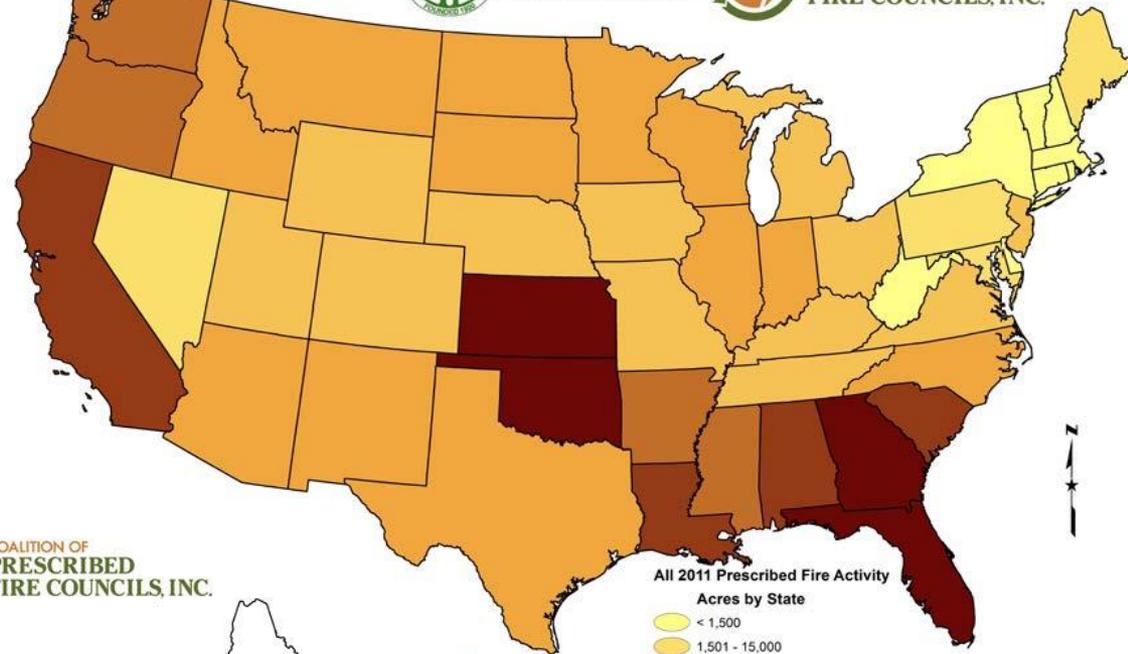
Prescribed fire increase is a cultural change!



NATIONAL ASSOCIATION OF
State Foresters



COALITION OF
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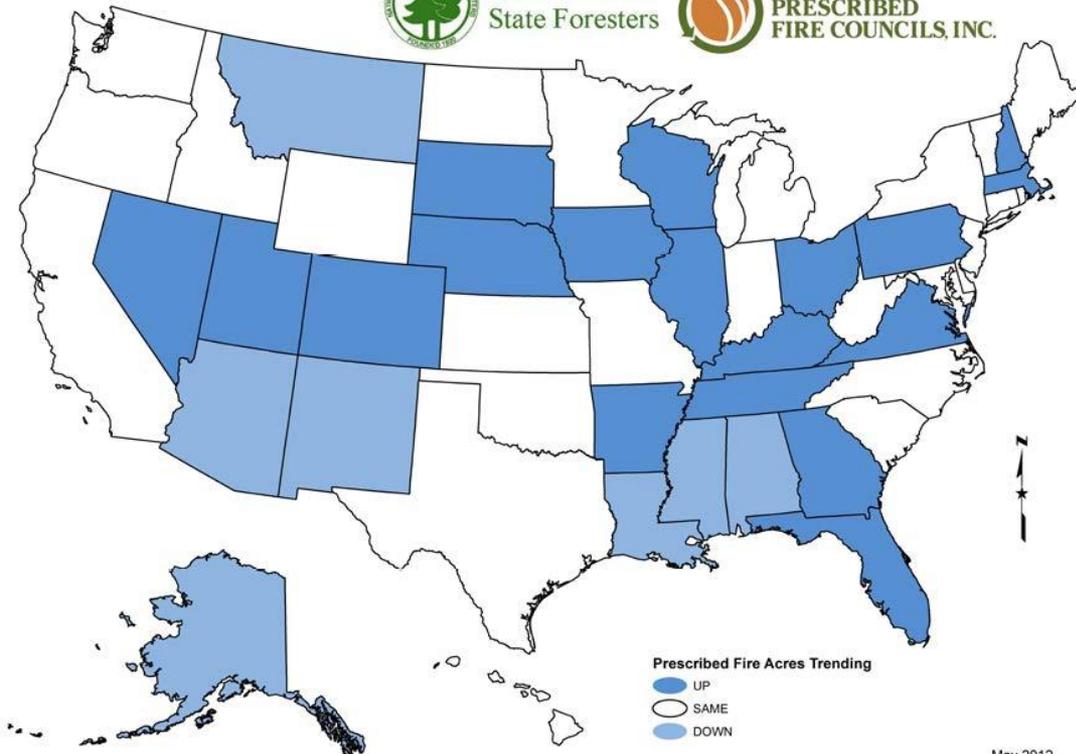
May 2012



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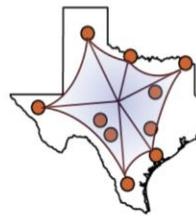
Training the future generations in safe and proper application of fire



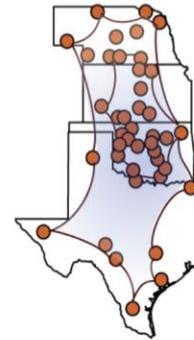
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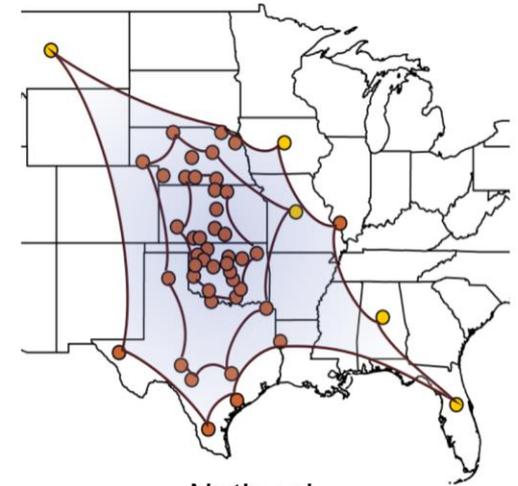


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**-PBAs burning during
burn bans**

**-PBA influence on
officials**

-Support from state

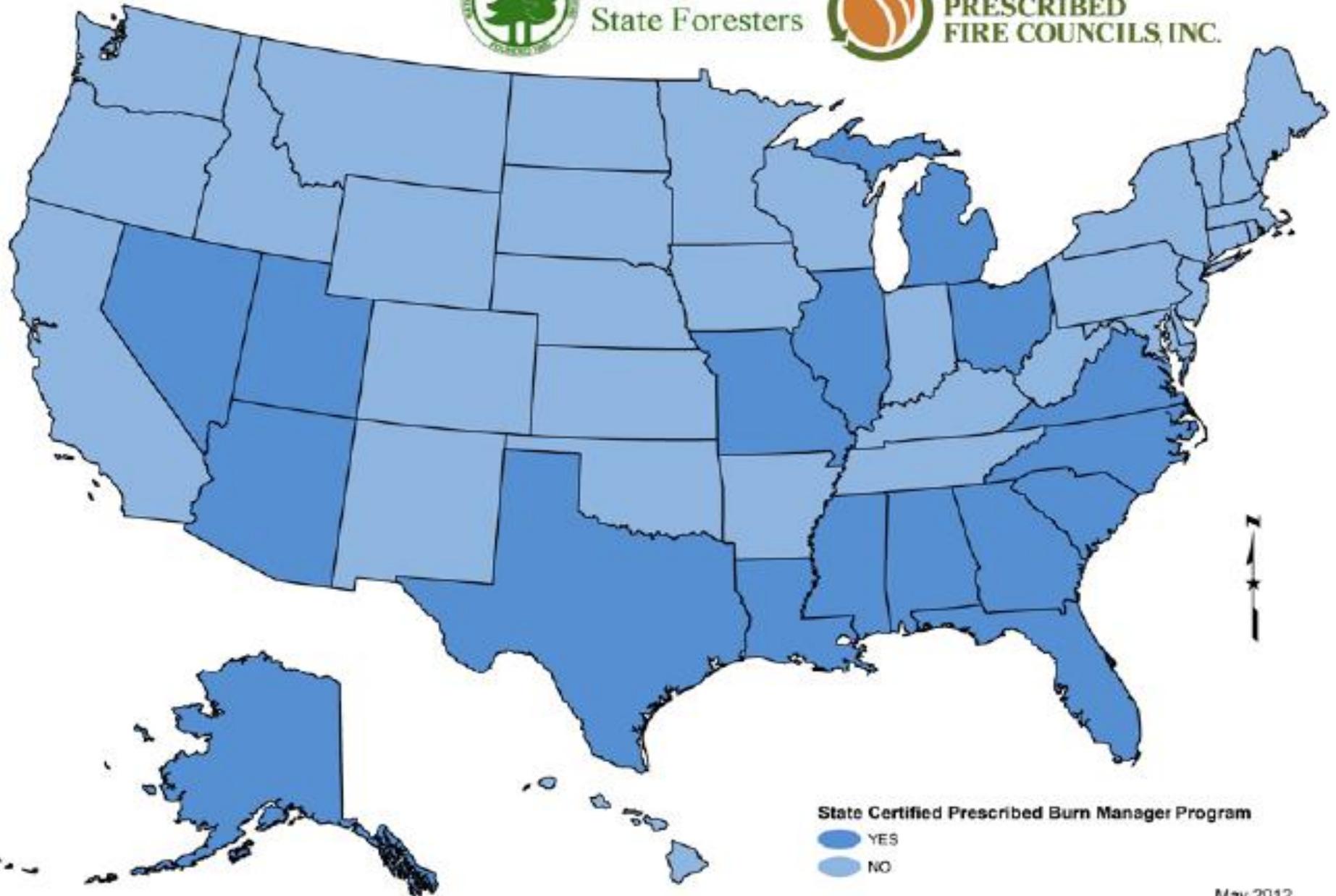




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What is the Future?

-Regional Level

-National Level

-Who can help?

-What can you do?





**Prescribed fire is not a tool,
it is an ecosystem process
just as important as rainfall.**

**Prescribed fire a local issue
with national impacts.**