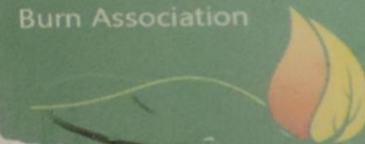


THIS PROPERTY IS MANAGED WITH PRESCRIBED FIRE BY YOUR LOCAL PRESCRIBED BURN ASSOCIATION

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

www.ok-pba.org

Oklahoma Prescribed
Burn Association



If You Can't Burn It, It Ain't Worth Managing

John R Weir

Natural Resource Ecology & Management

Oklahoma State University

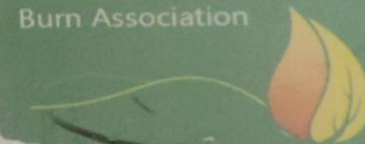


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www.ok-pba.org

Oklahoma Prescribed
Burn Association



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

John R Weir
Natural Resource Ecology & Management
Oklahoma State University

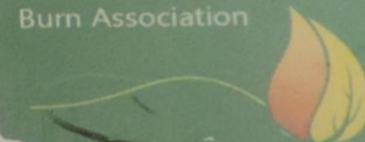


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to maintain habitat for livestock and wildlife,
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www.ok-pba.org

Oklahoma Prescribed
Burn Association



Quit Worrying About It and Burn It!

John R Weir
Natural Resource Ecology & Management
Oklahoma State University

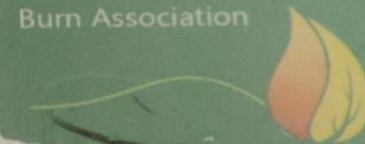


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Oklahoma Prescribed
Burn Association



Getting More Fire on the Ground: The How, Why and Where?

John R Weir

Natural Resource Ecology & Management

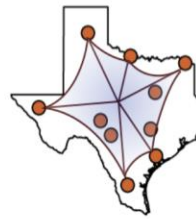
Oklahoma State University



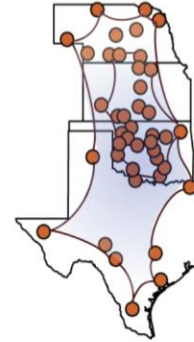
Local Property



County

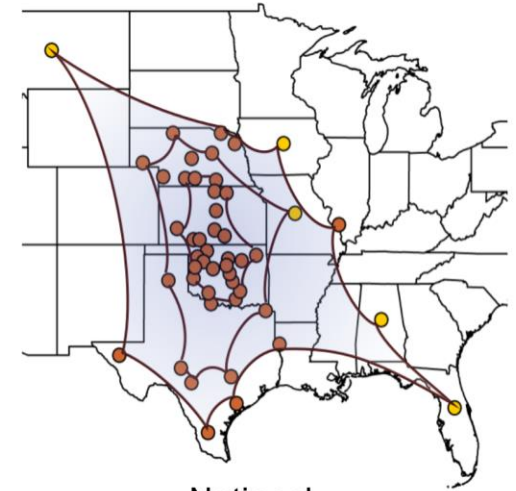


State



Regional

Artwork by Christine Bieski



National

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External Perception of the Scale of the Problem

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Adaptive Capacity of PBAs

National/External Support

Local Change

Cultural Change

National Change

Local Influence

Legislative Influence

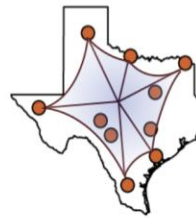
National Influence

From: Weir et al. 2016. Rangelands.

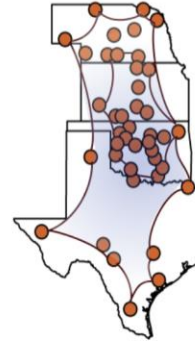
Local Property



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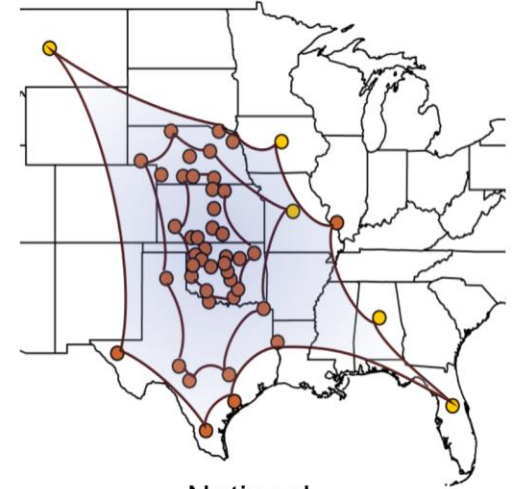


State



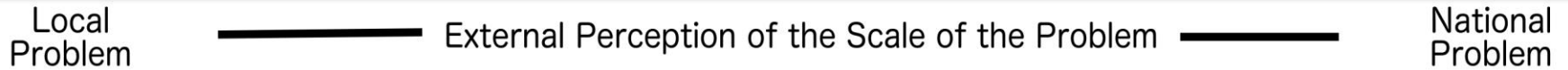
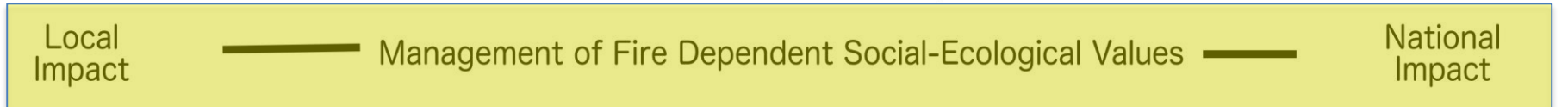
Regional

Artwork by Christine Bieski

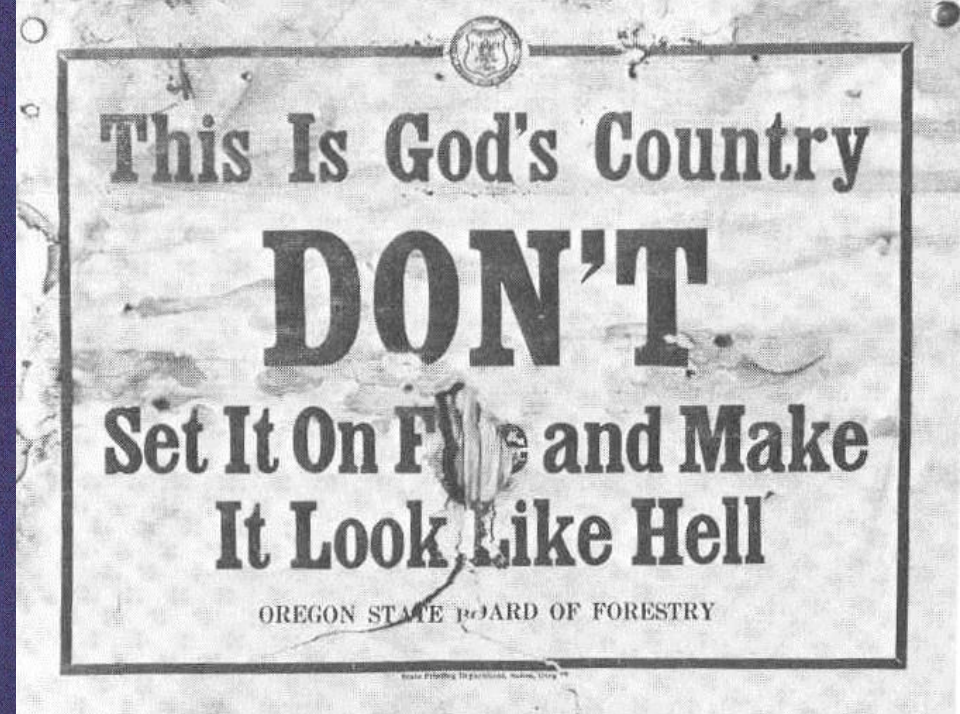


National

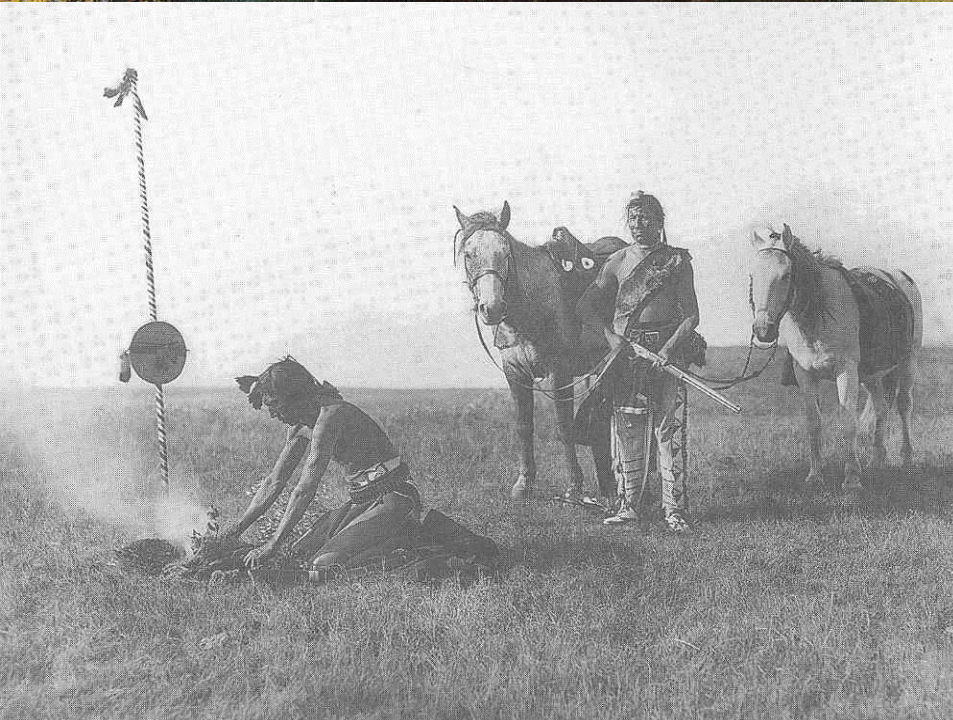
Potential Scale of Impact



Fire Past and Present



Native American fire had the largest impact on the landscape



Fire laws- Mosaic Law, King Alfred 871-899 AD, King Edward 1368

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

Fire became evil, associated with rituals and witchcraft

Curfew-Old French Cover Fire

Exodus 22

2 If a thief be found breaking up, and be smitten that he die, *there shall no blood be shed for him.*

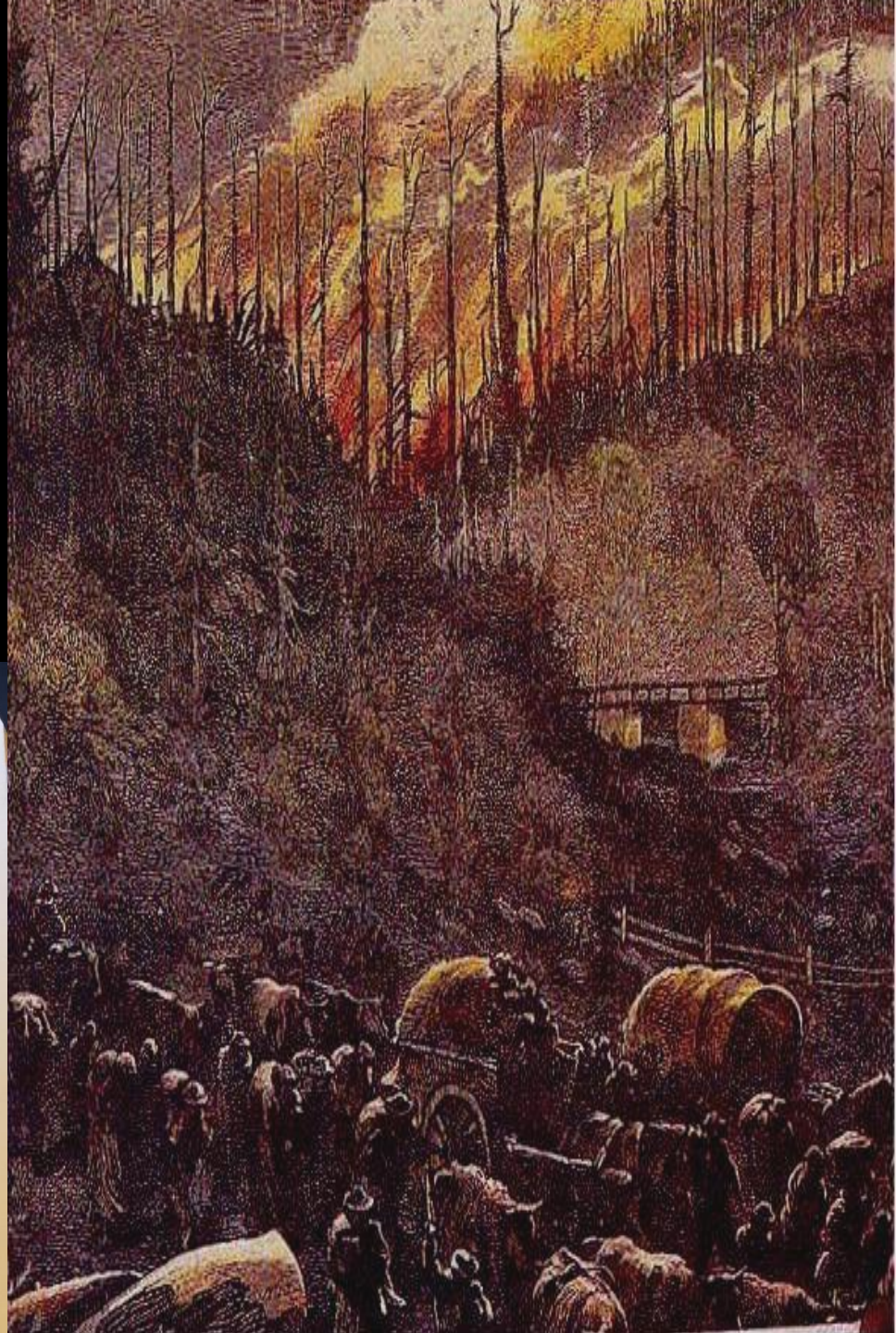
3 If the sun be risen upon him, *there shall be blood shed for him; for he should make full restitution; if he have nothing, then he shall be sold for his theft.*

4 If the theft be certainly found in his hand alive, whether it be ox, or ass, or sheep; he shall restore double.

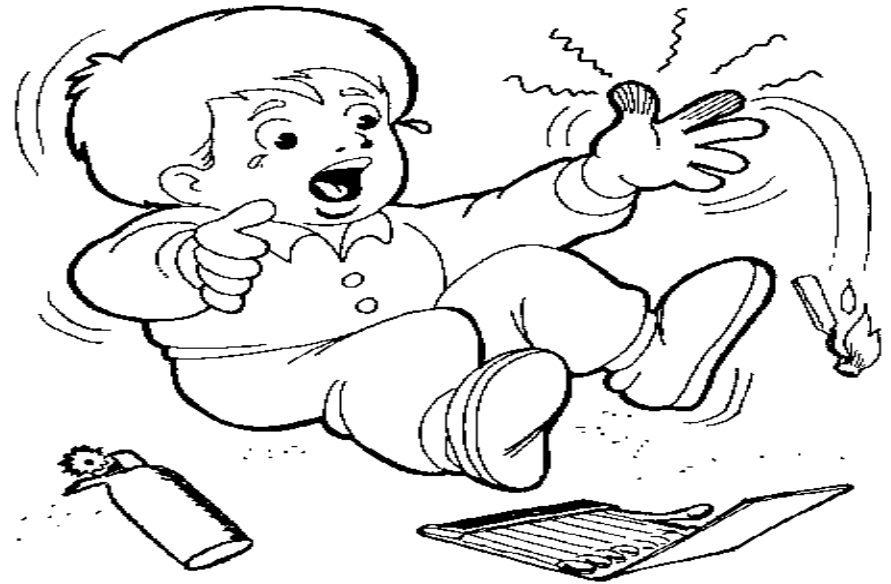
5 If a man shall cause a field or vineyard to be eaten, and shall put in his beast, and shall feed in another man's field; of the best of his own field, and of the best of his own vineyard, shall he make restitution.

6 If fire break out, and catch in thorns, so that the stacks of corn, or the standing corn, or the field, be consumed *therewith*; he that kindled the fire shall surely make restitution.

7 If a man shall deliver unto his neighbor money or stuff to keep and it be stolen out

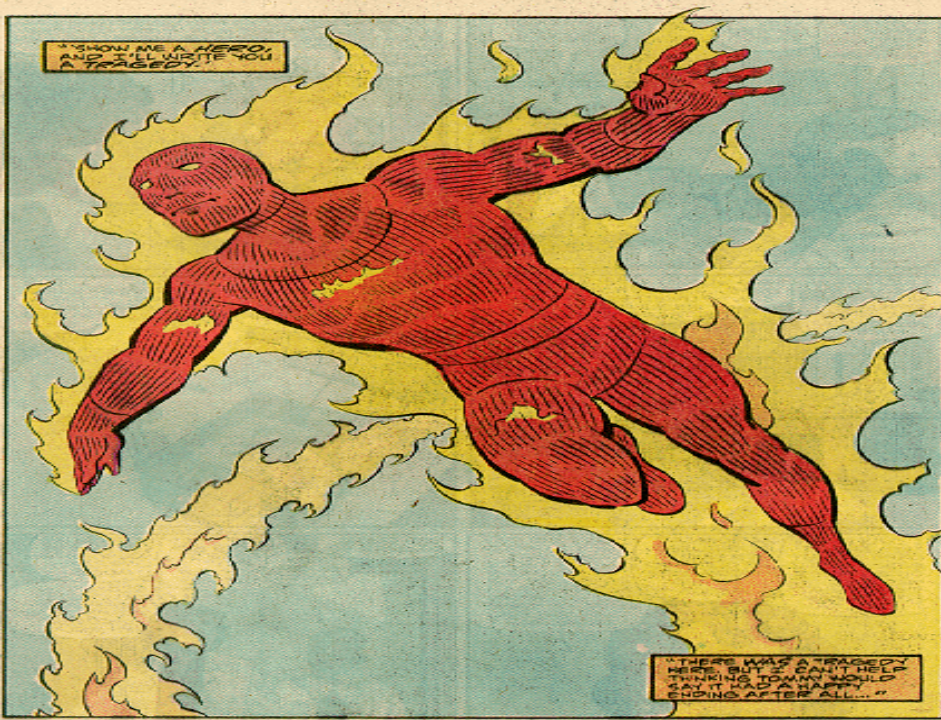


Don't play with matches



What were 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!





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

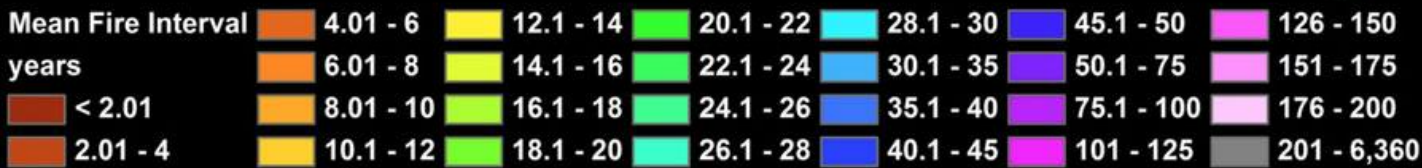
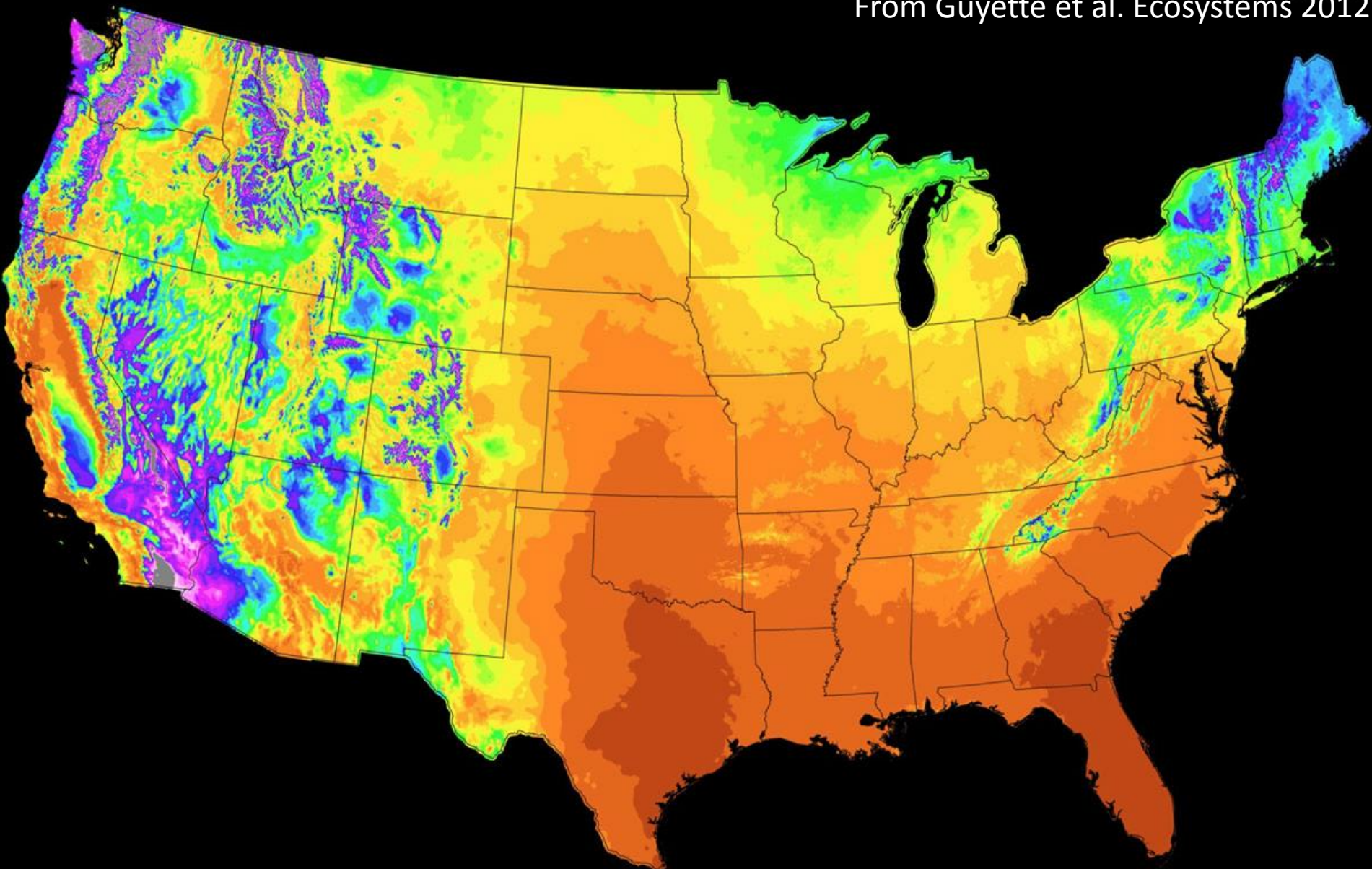


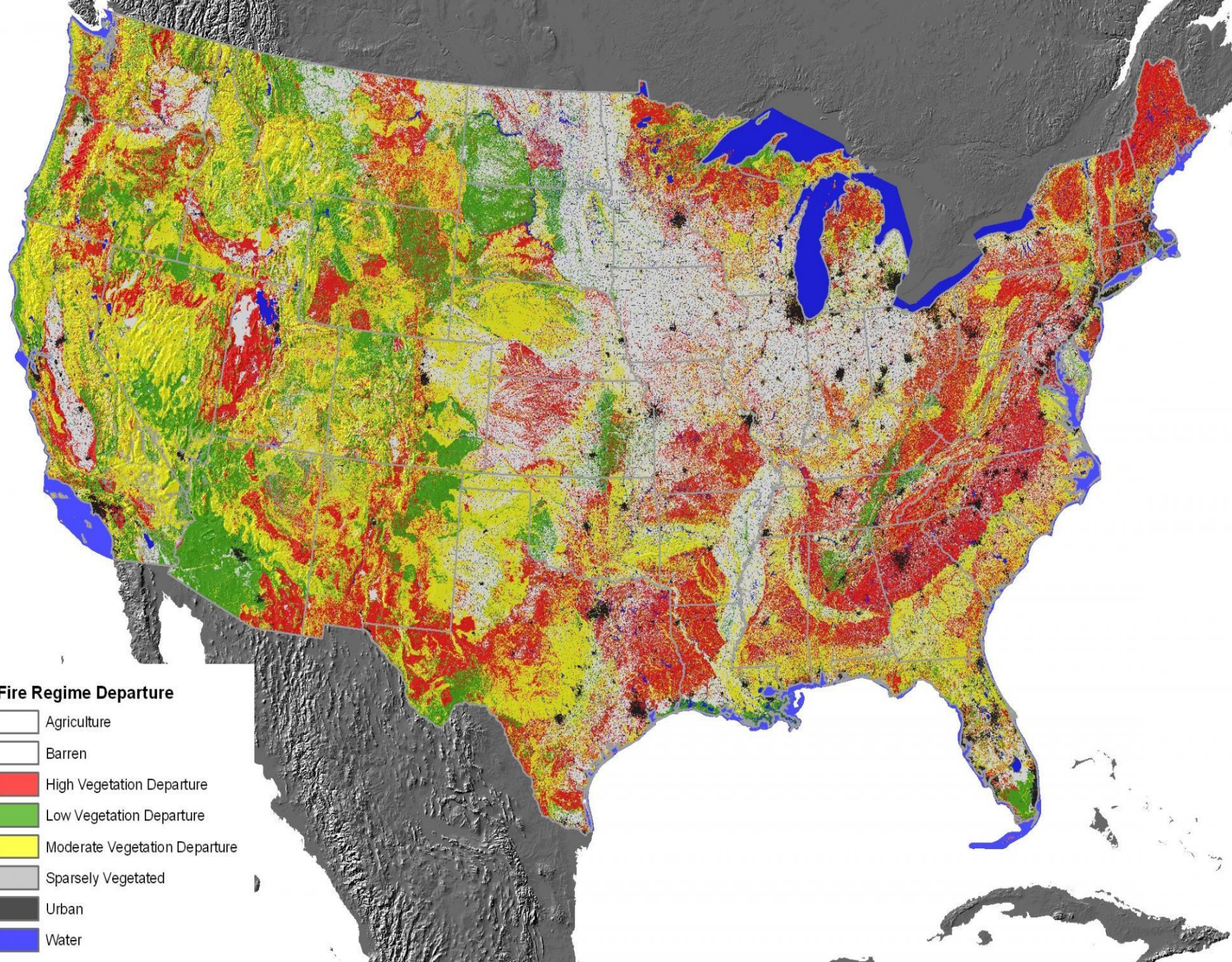
Why Fire?

-
- less than 0.1%
 - 0.1 - 1%
 - 1 - 10%
 - more than 10%






Map of the
UNITED STATES

WITH FIRE FREQUENCY BY COUNTY, 1950-1959
BASED ON FIRE RECORDS FOR 1950-1959
COURTESY OF THE U.S. FOREST SERVICE
U.S. GEOLOGICAL SURVEY



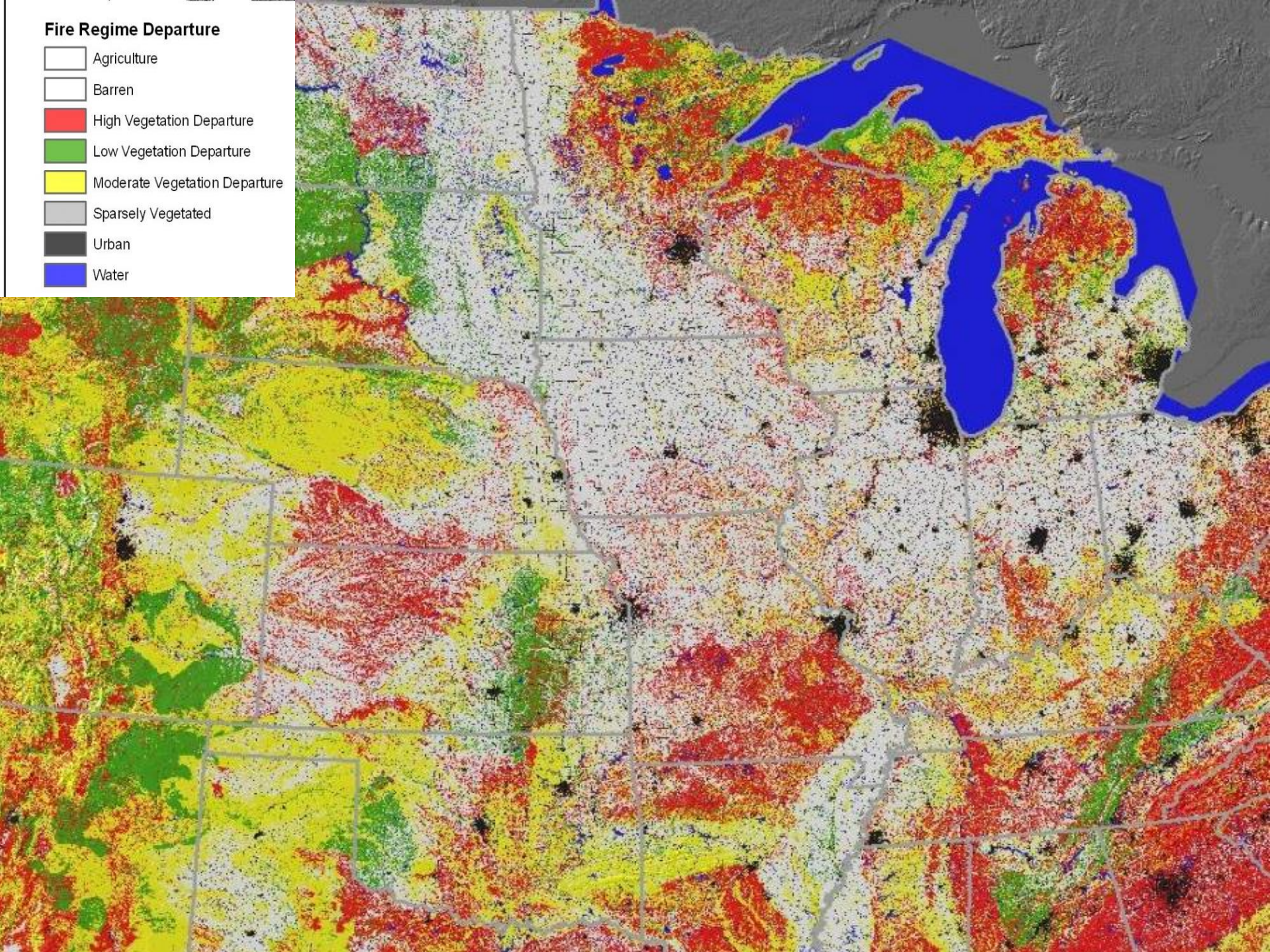


Fire Regime Departure

-  Agriculture
-  Barren
-  High Vegetation Departure
-  Low Vegetation Departure
-  Moderate Vegetation Departure
-  Sparsely Vegetated
-  Urban
-  Water

Fire Regime Departure

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Prescribed fire use is on the increase!



NATIONAL ASSOCIATION OF State Foresters



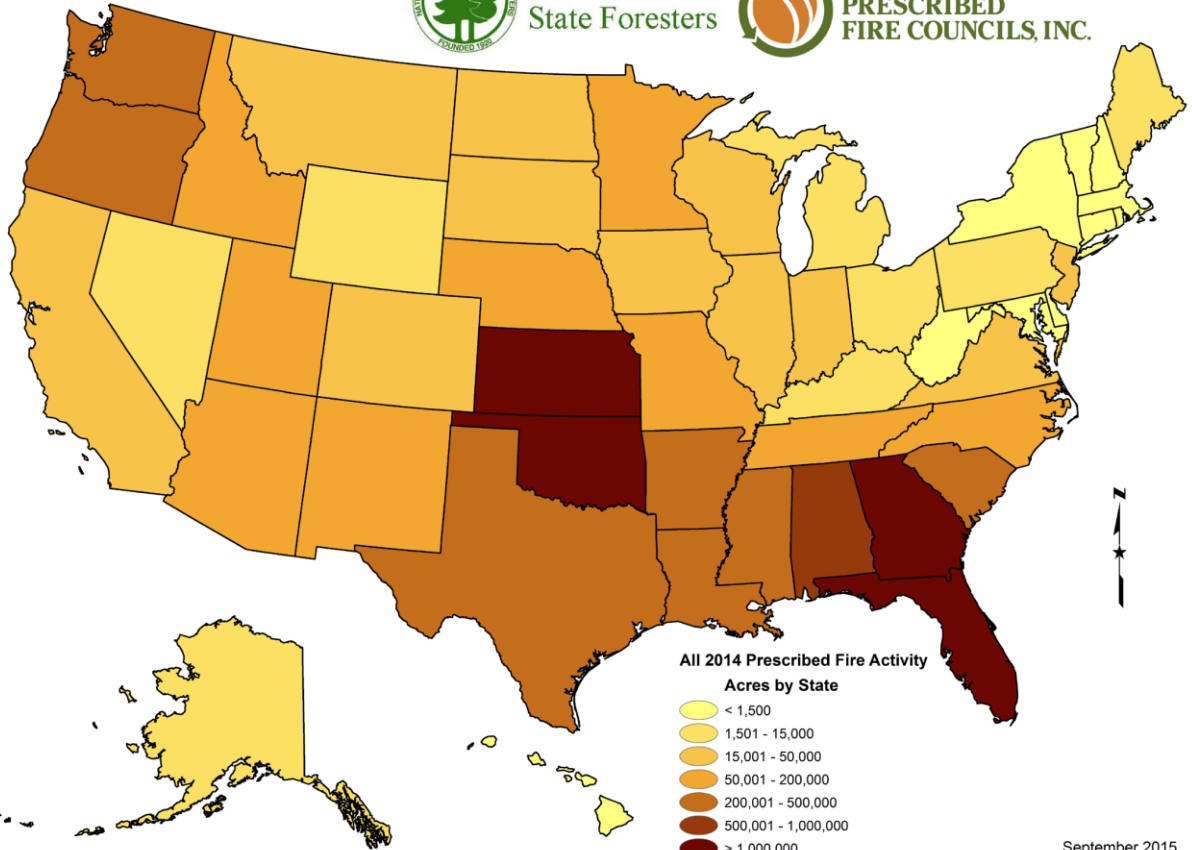
COALITION OF PRESCRIBED FIRE COUNCILS, INC.



NATIONAL ASSOCIATION OF State Foresters



COALITION OF PRESCRIBED FIRE COUNCILS, INC.



All 2014 Prescribed Fire Activity

- Acres by State
- < 1,500
 - 1,501 - 15,000
 - 15,001 - 50,000
 - 50,001 - 200,000
 - 200,001 - 500,000
 - 500,001 - 1,000,000
 - > 1,000,000

September 2015

All 2011 Prescribed Fire Activity

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- < 1,500
 - 1,501 - 15,000
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May 2012

Prescribed fire use is on the increase!



NATIONAL ASSOCIATION OF
State Foresters



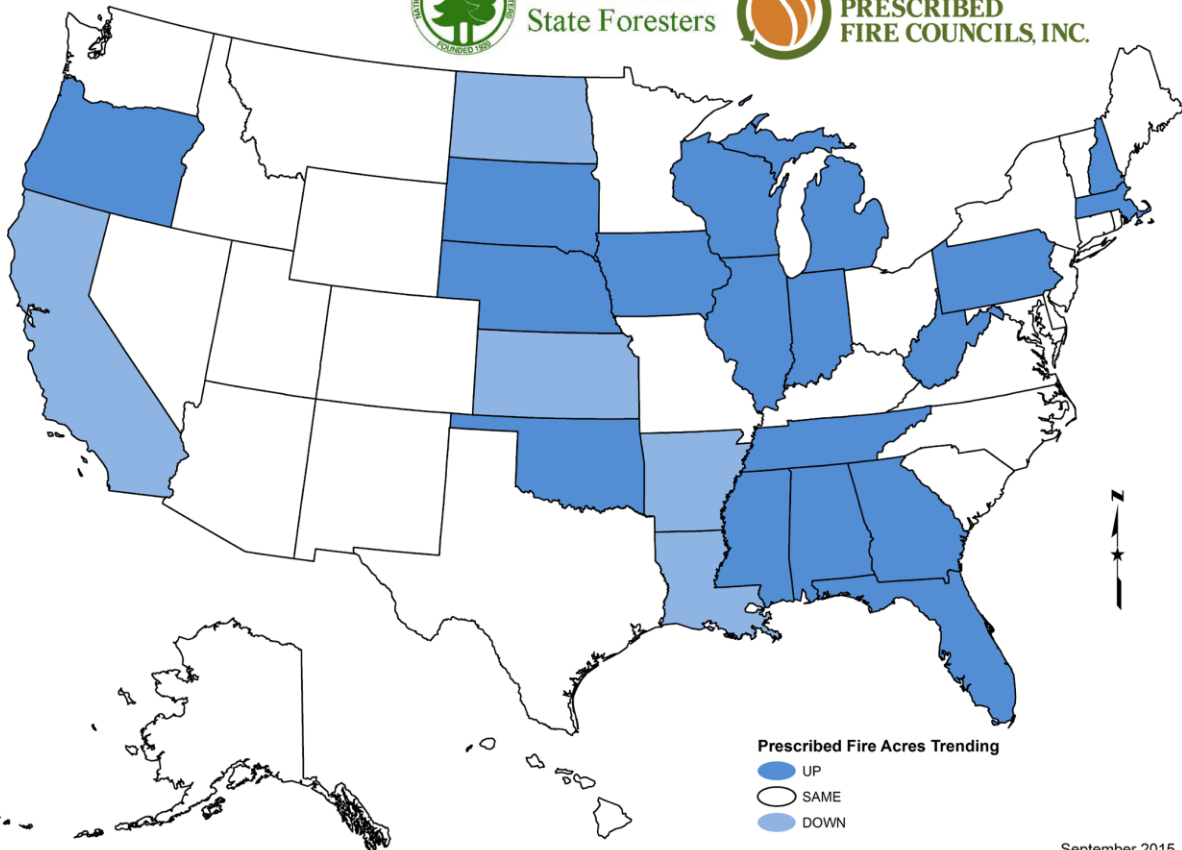
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NATIONAL ASSOCIATION OF
State Foresters



COALITION OF
PRESCRIBED
FIRE COUNCILS, INC.



Prescribed Fire Acres Trending

- UP
- SAME
- DOWN

May 2012

Prescribed Fire Acres Trending

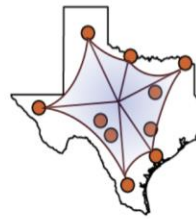
- UP
- SAME
- DOWN

September 2015

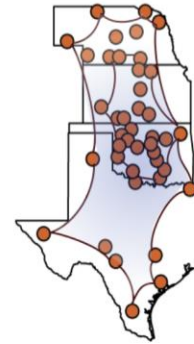
Local Property



County

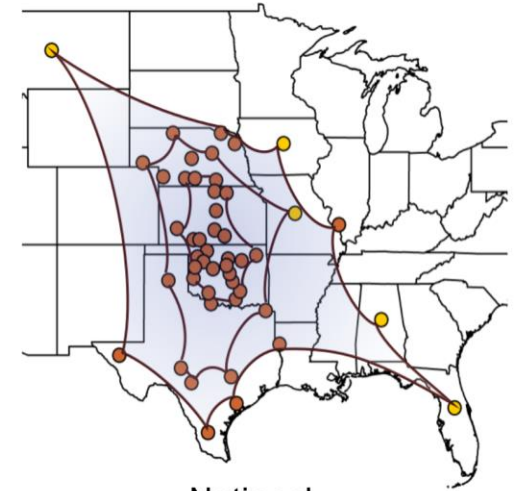


State



Regional

Artwork by Christine Bieski



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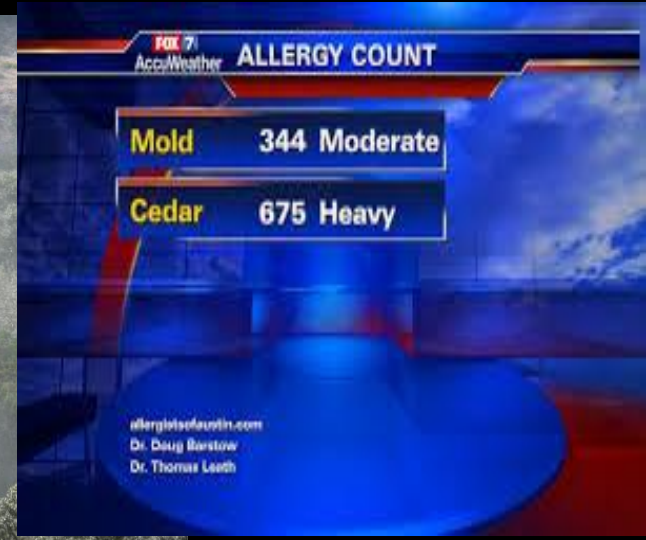
National Change

Local Influence

Legislative Influence

National Influence

Why Fire?



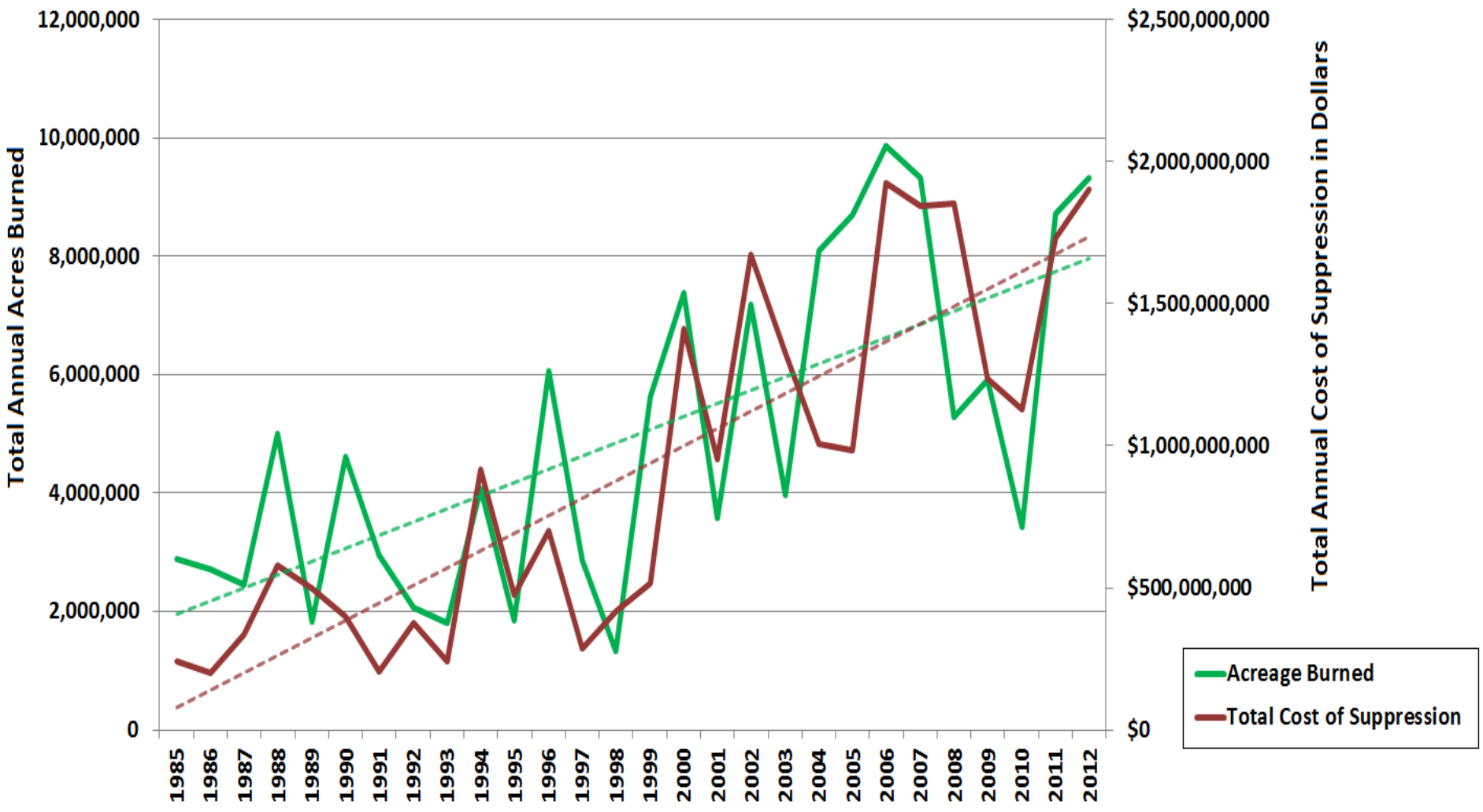
Wildfire Locally

- 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

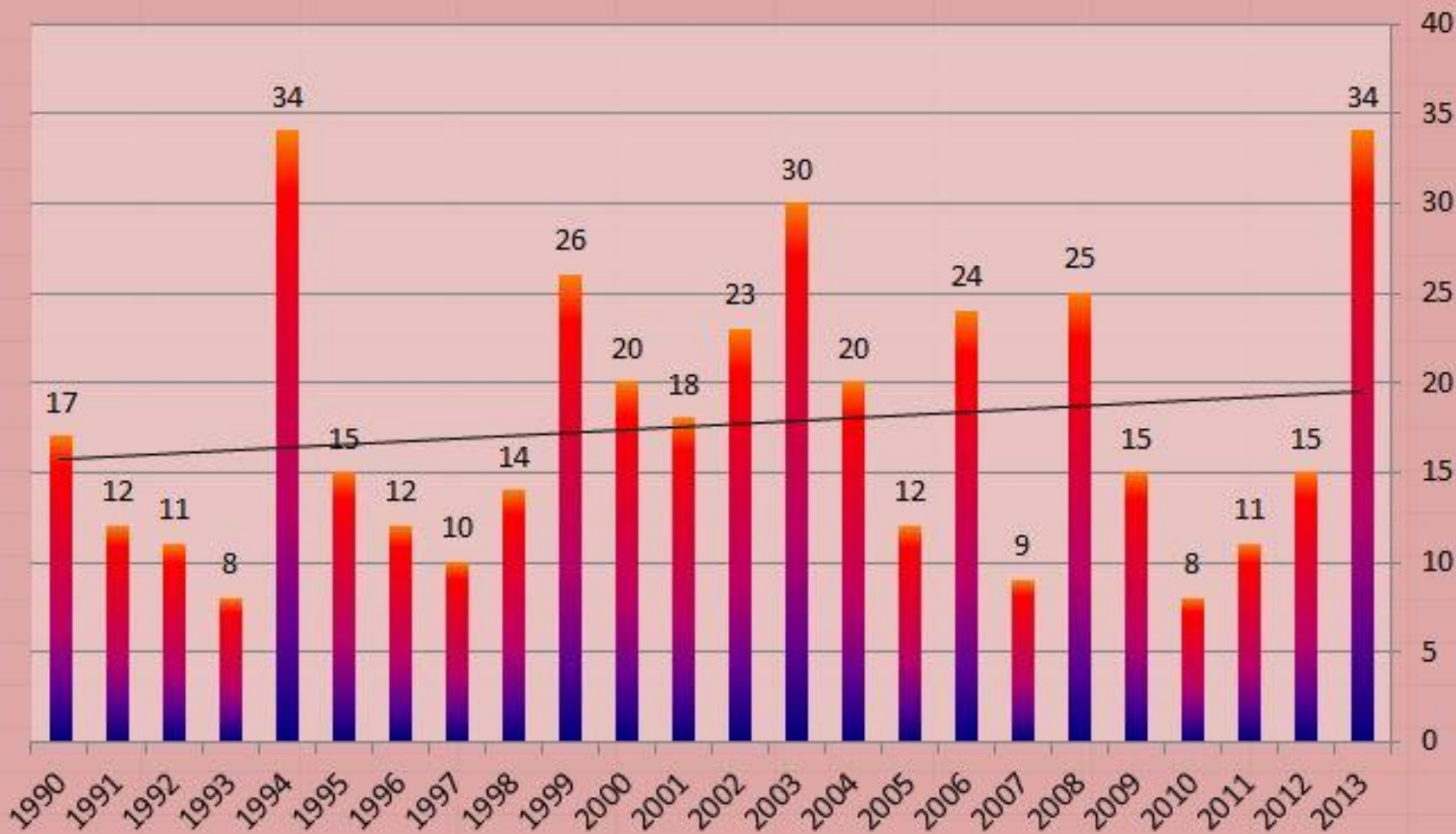


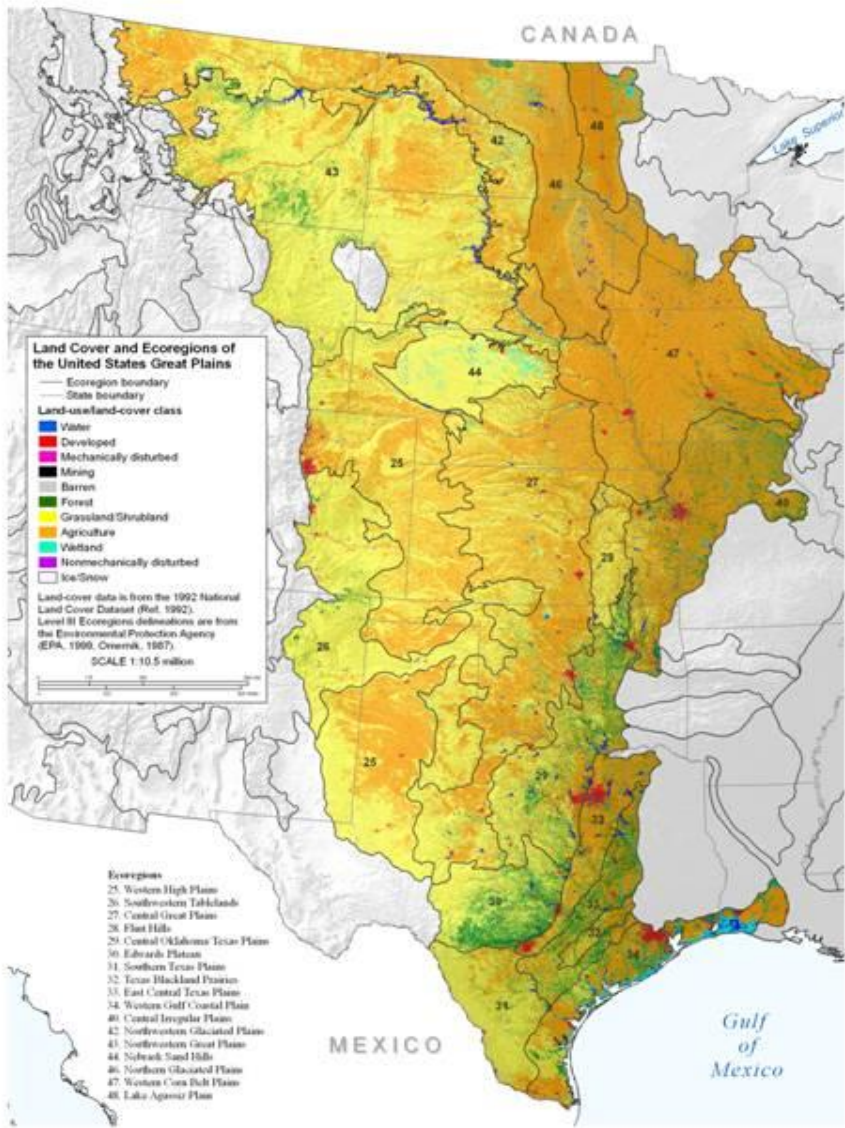
Data Source- National Interagency Fire Center

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%..WI 82.2%

-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!

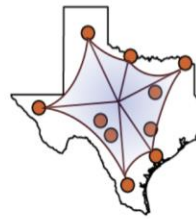
I JUST WANT
THE GOVERNMENT
TO SAVE MY HOUSE
FROM THESE
FOREST FIRES!!



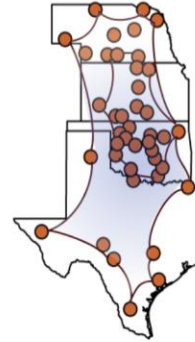
Local Property



County

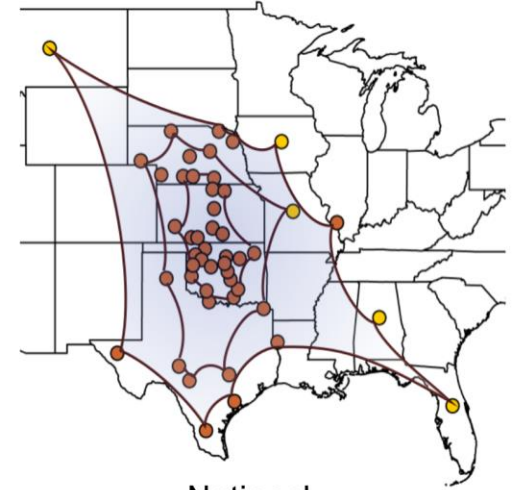


State



Regional

Artwork by Christine Bieski



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Local Influence

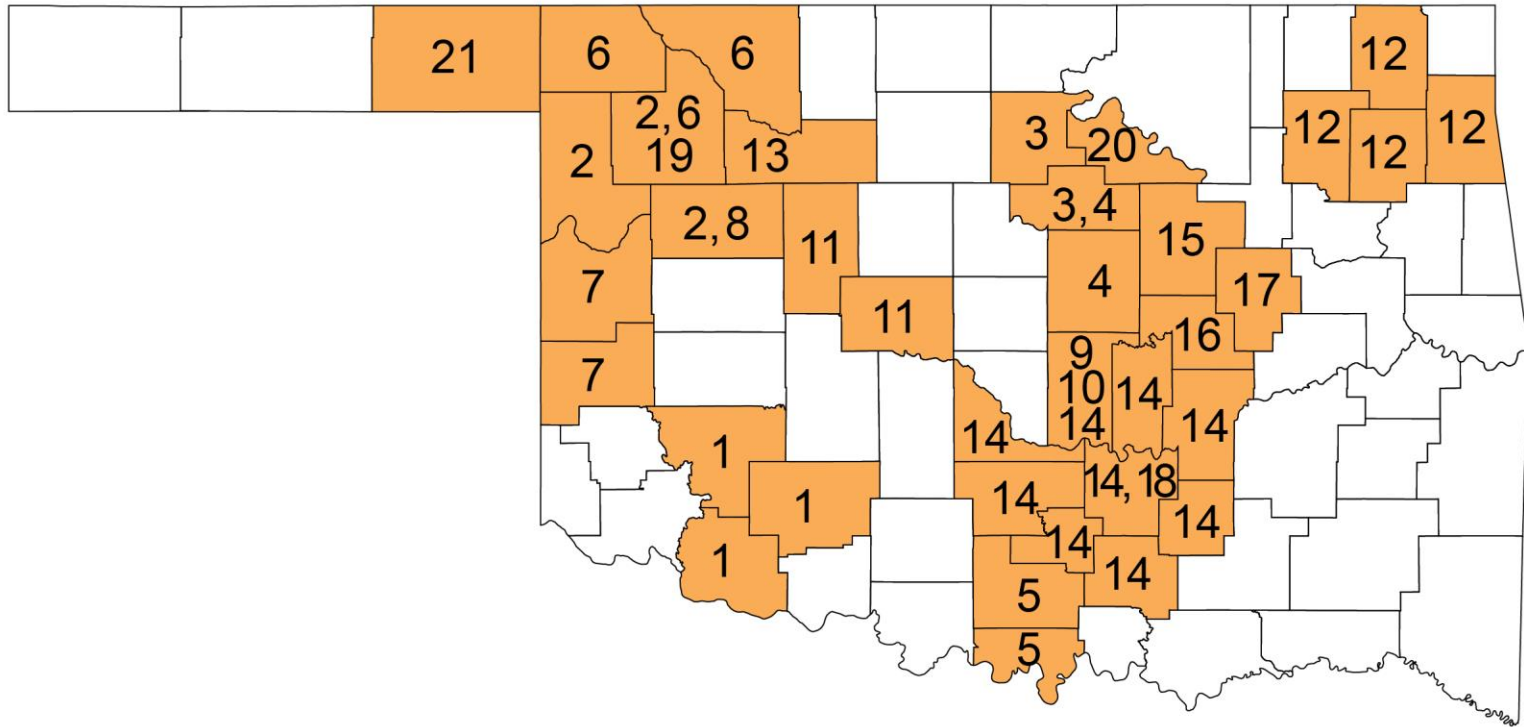
Legislative Influence

National Influence

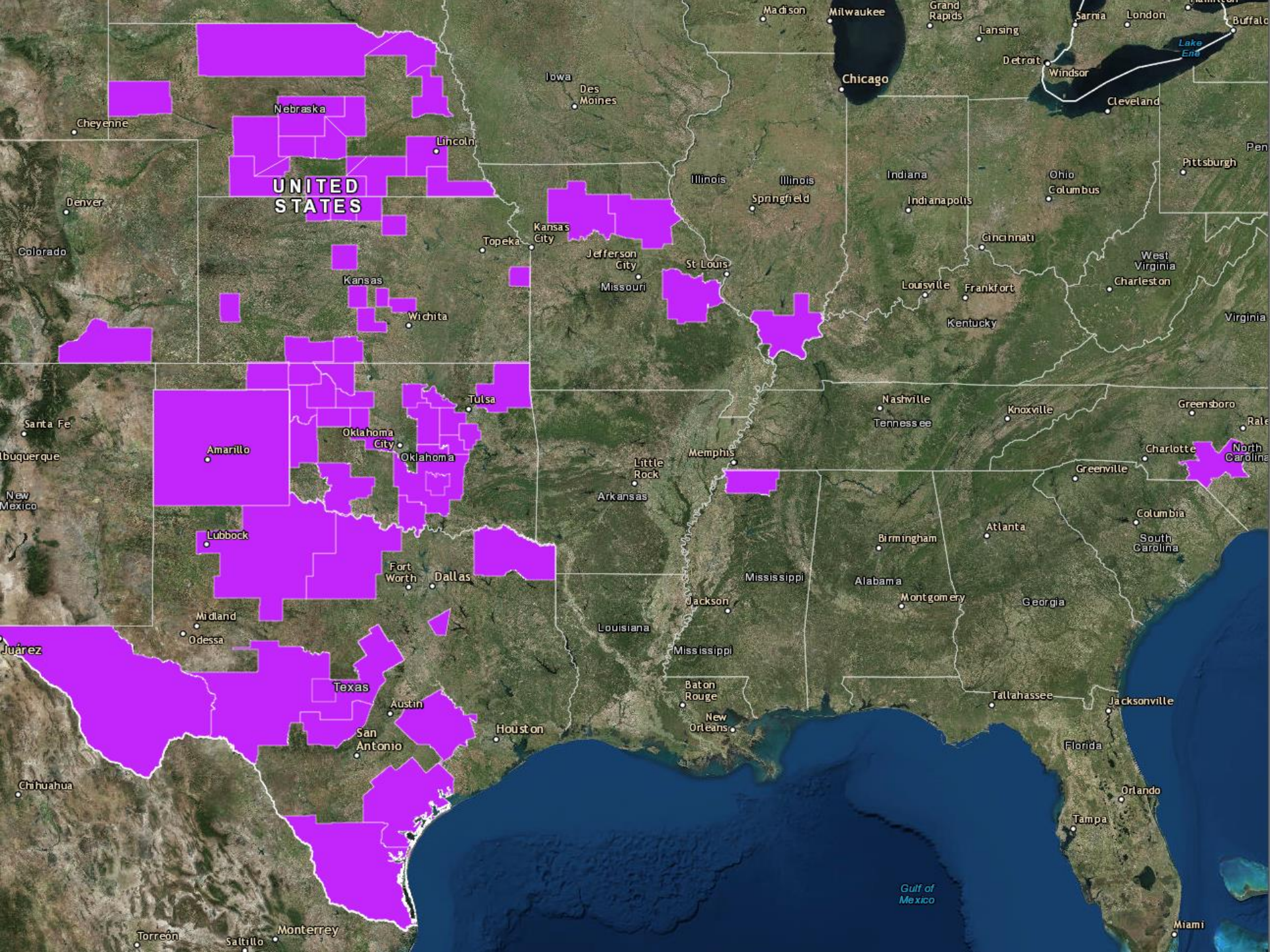


What are Burn Associations?

Oklahoma's Local Prescribed Burn Associations



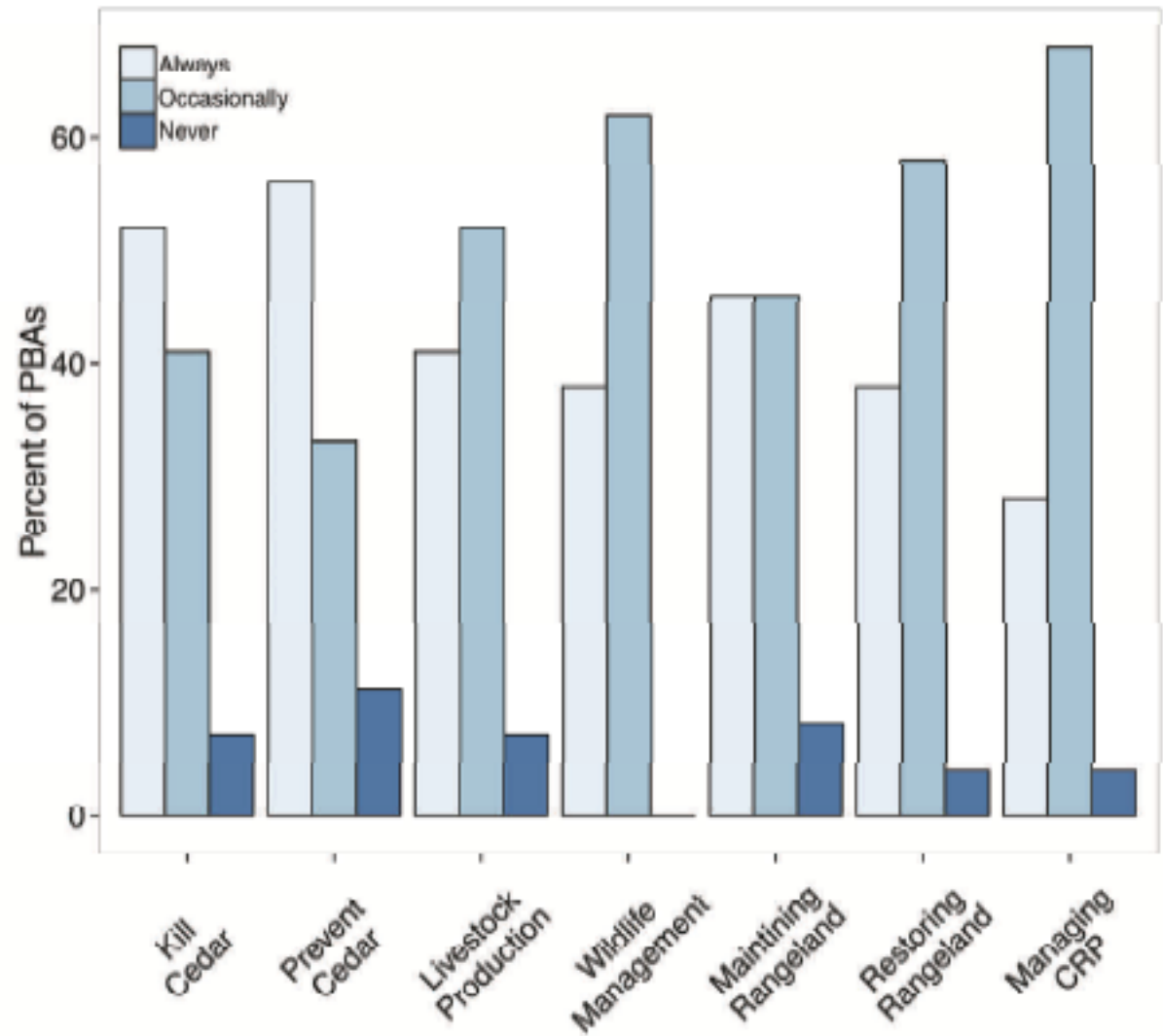
- | | |
|--------------------------------------------------------------|---------------------------------------------------|
| 1. Big Pasture Prescribed Burning Association | 12. Indian Territory Burn Association |
| 2. Northwest Range Fire Management Association, Inc | 13. Gloss Mountain Prescribed Burn Association |
| 3. North Central Range Improvement Association | 14. Pontotoc Ridge Prescribed Burn Association |
| 4. Cross Timbers Prescribed Burn Association | 15. Creek County Prescribed Burn Association |
| 5. Arbuckle Restoration Association | 16. Twin Rivers Prescribed Burn Association |
| 6. Cimarron Range Preservation Association | 17. Okmulgee Prescribed Burn Association |
| 7. Roger Mills Prescribed Burn Association | 18. Limestone Game & Range Management Association |
| 8. South Canadian Prescribed Burn Association | 19. Woodward County Prescribed Burn Association |
| 9. Salt Creek Prescribed Burn Association | 20. Pawnee County Prescribed Burn Association |
| 10. Northern Pottawatomie County Prescribed Burn Association | 21. Beaver River Prescribed Burn Association |
| 11. Canadian Rivers Prescribed Burn Association | |



Prescribed Burn Associations

2012 survey of 27 PBAs

Goals and Objectives of Burns

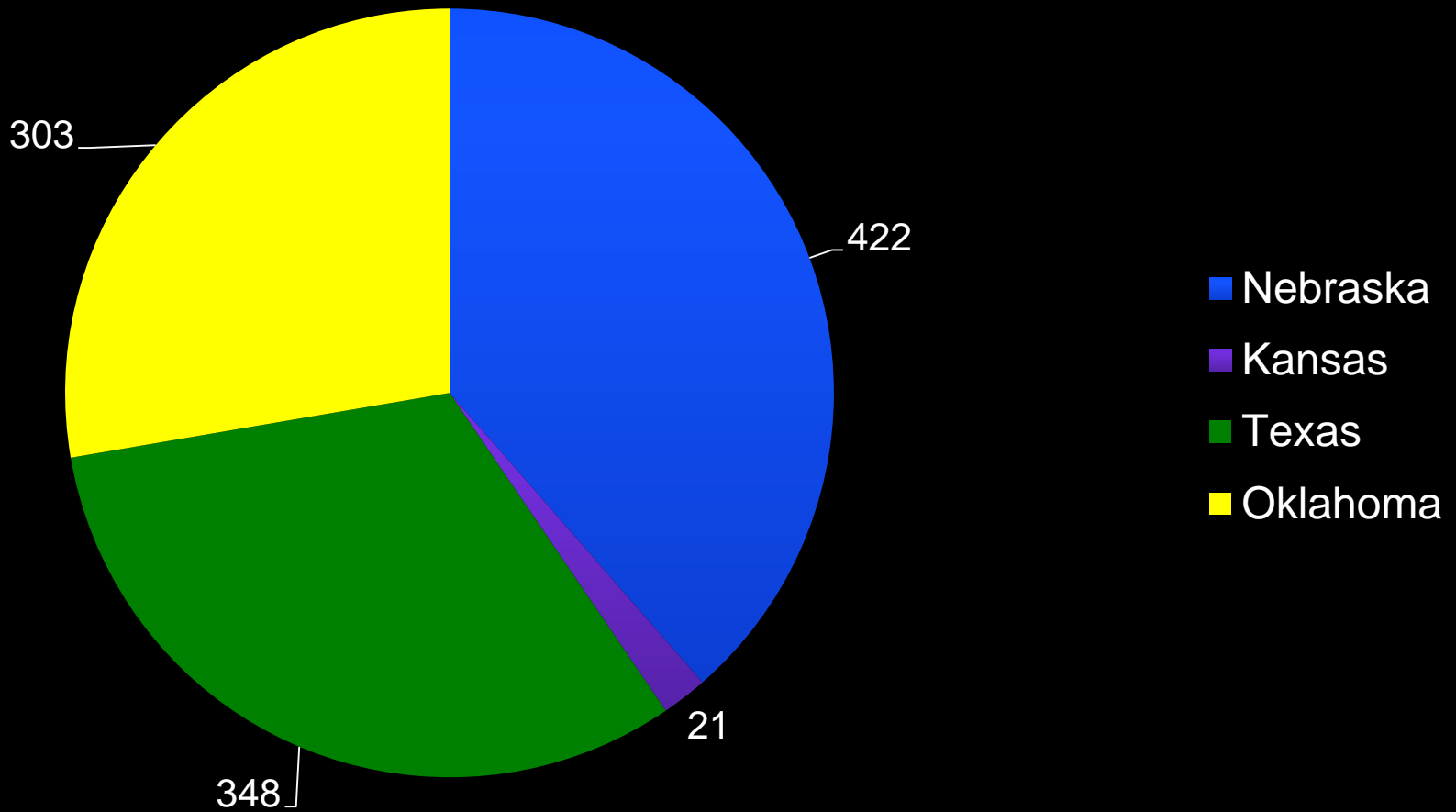


Prescribed Burn Associations

2012 survey of PBAs

1,094 burns conducted

Number of Fires Conducted

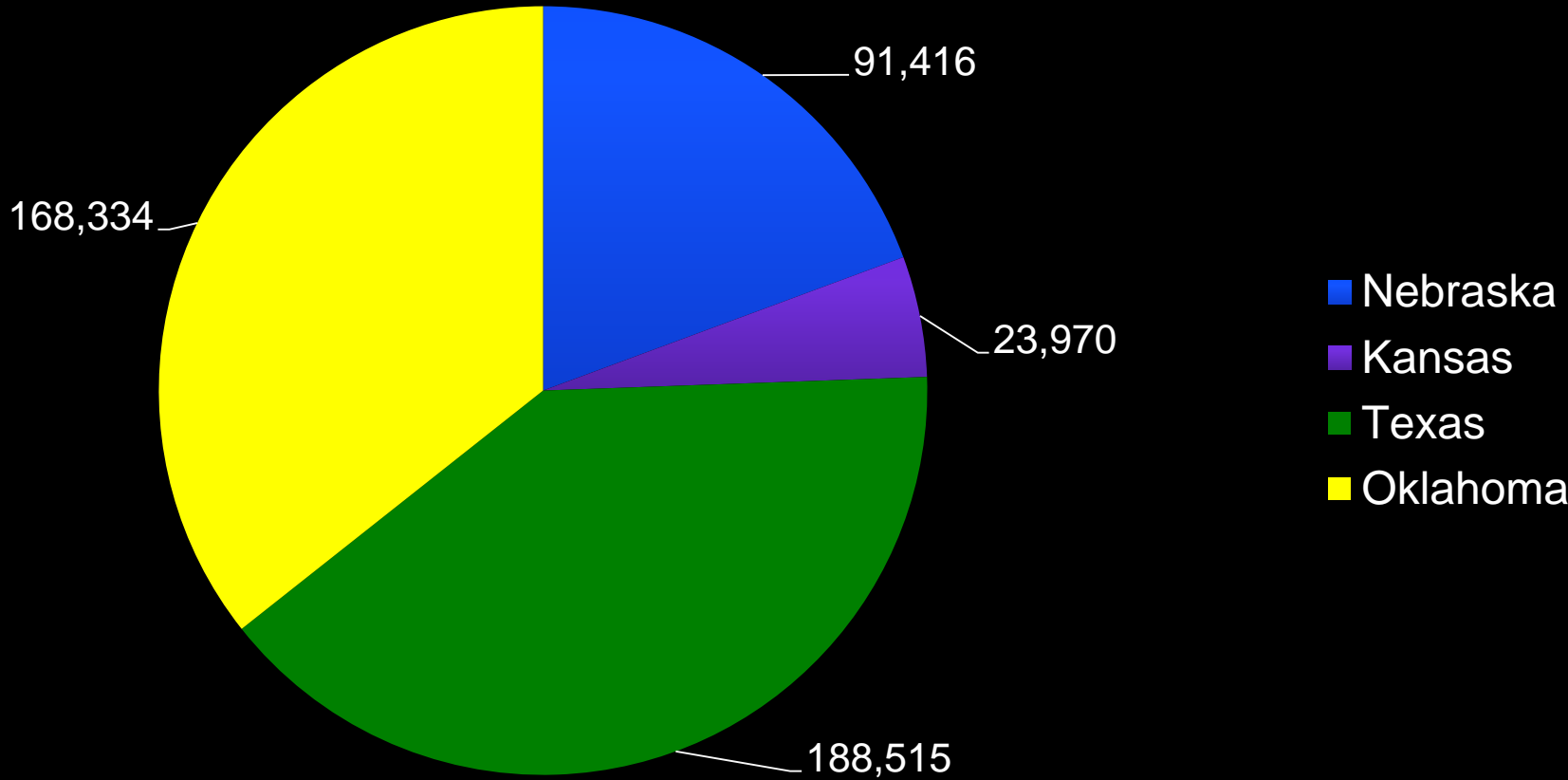


Prescribed Burn Associations

2012 survey of PBAs

472,235 acres burned

Number of Acres Burned



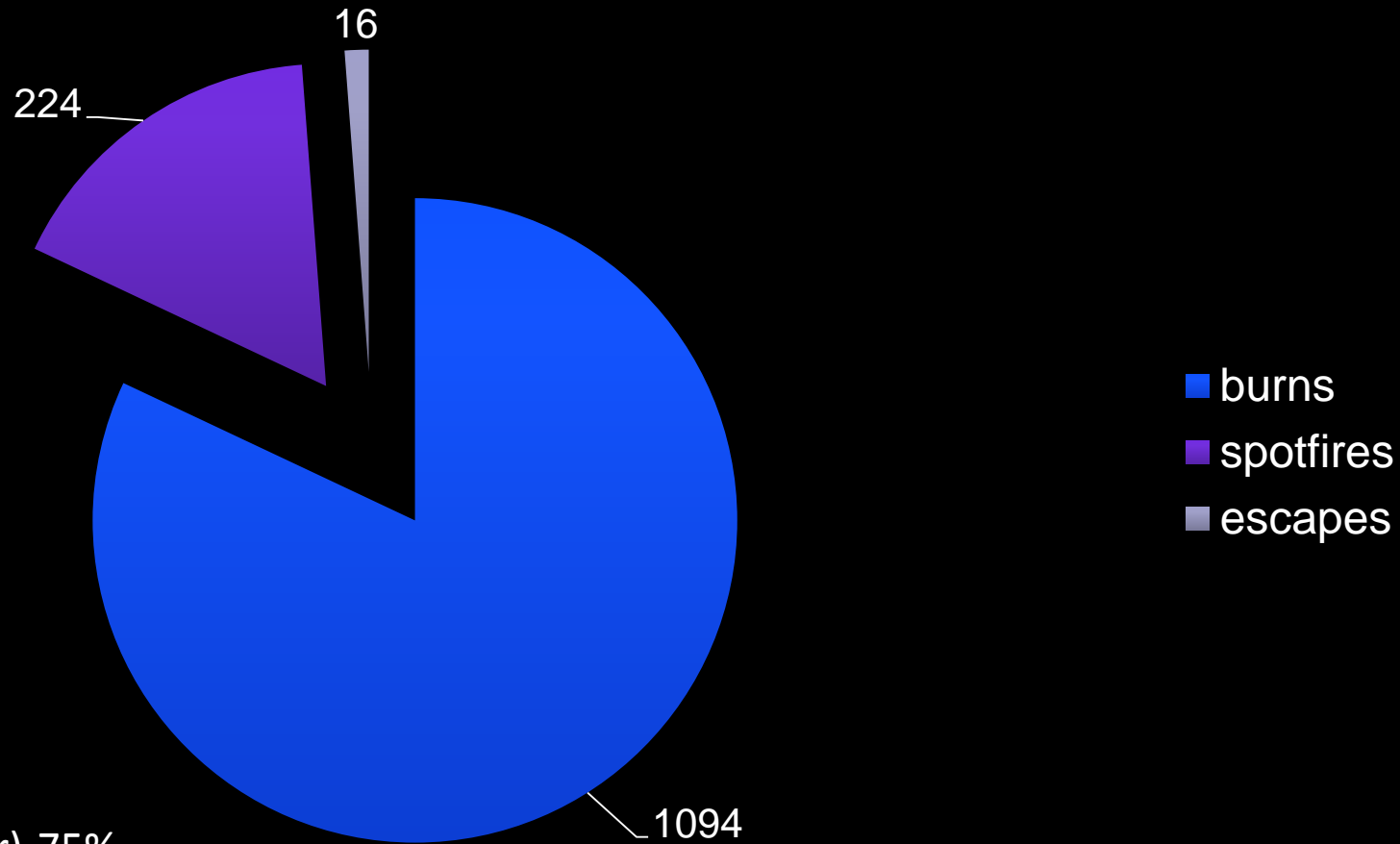
Prescribed Burn Associations

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

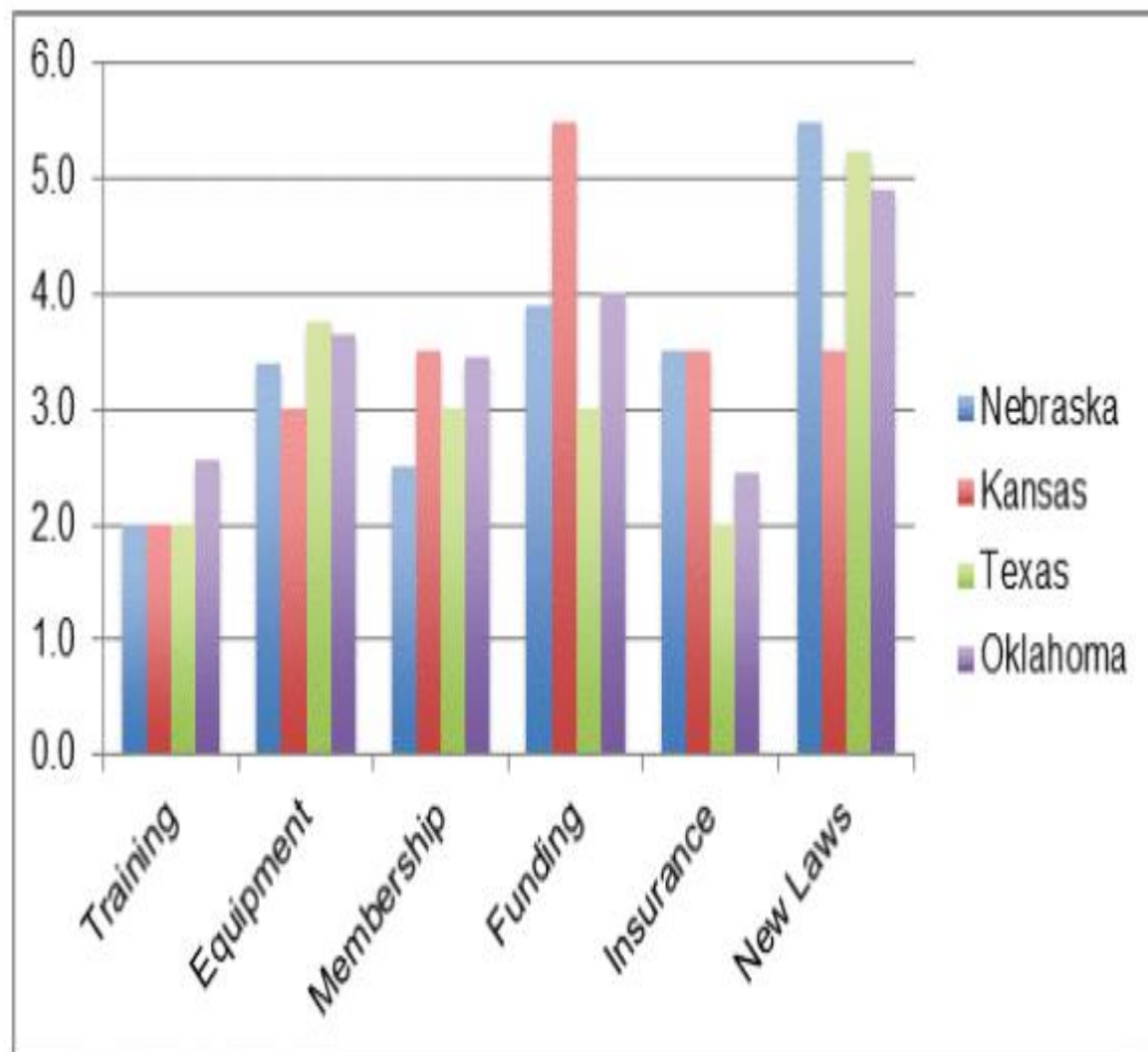
2012 survey of 27 PBAs

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

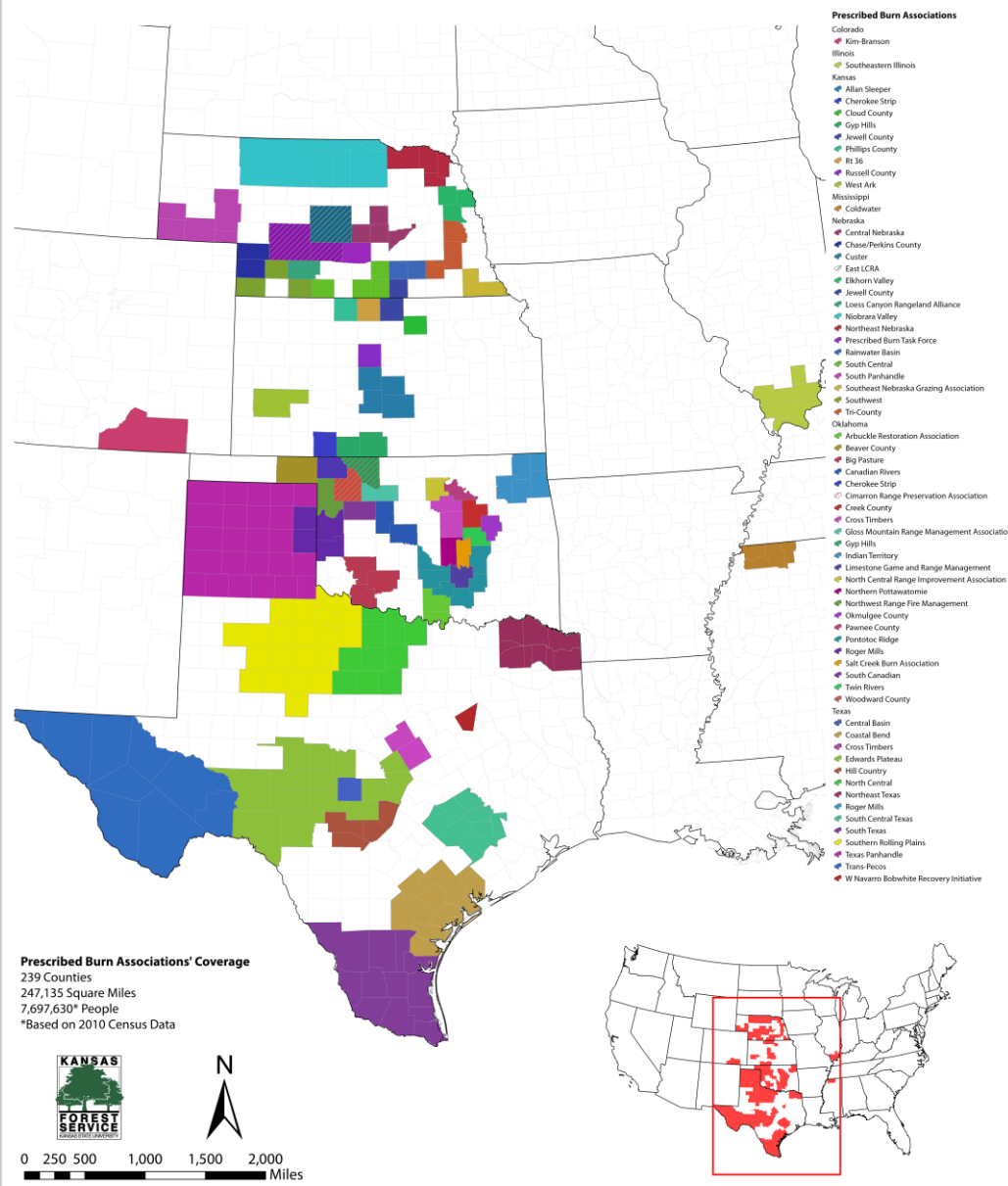


KANSAS
PRESCRIBED
BURN
ASSOCIATION

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

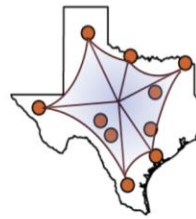
Current Locations of Prescribed Burn Associations



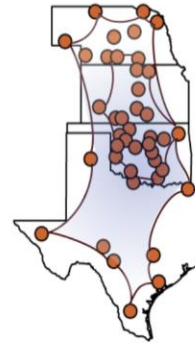
Local Property



County

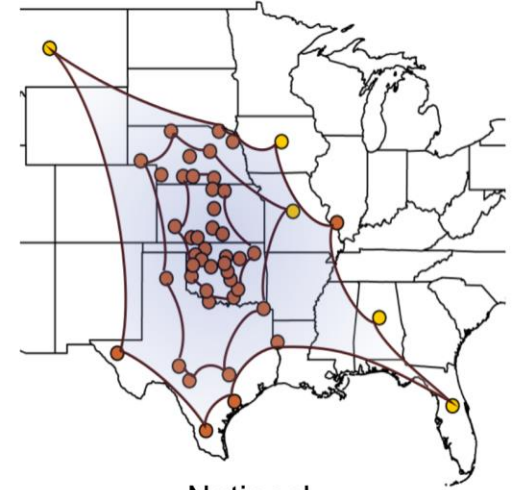


State



Regional

Artwork by Christine Bieski



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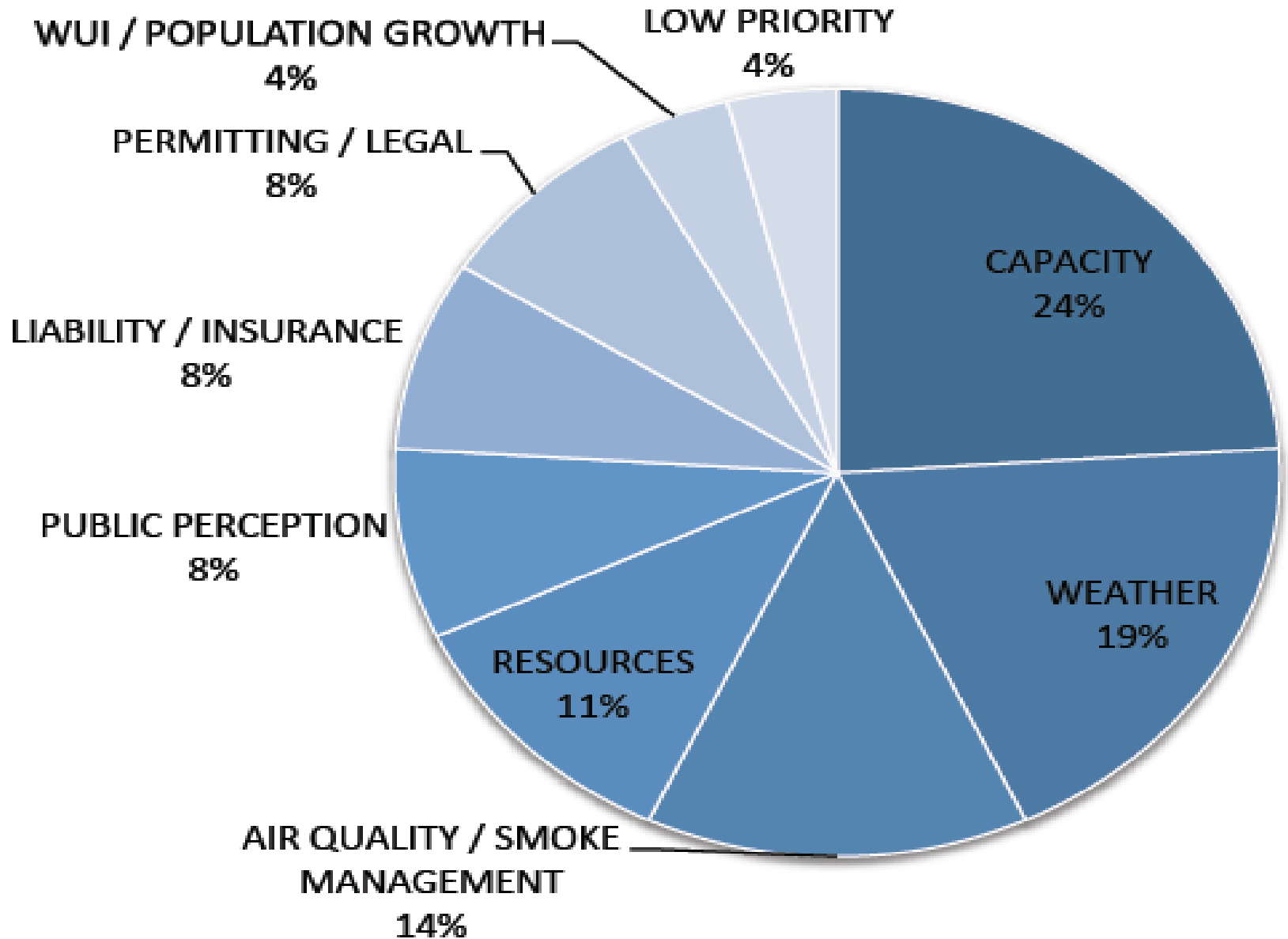
National Change

Local Influence

Legislative Influence

National Influence

Impediments Limiting Prescribed Fire Use Nationwide Ranking



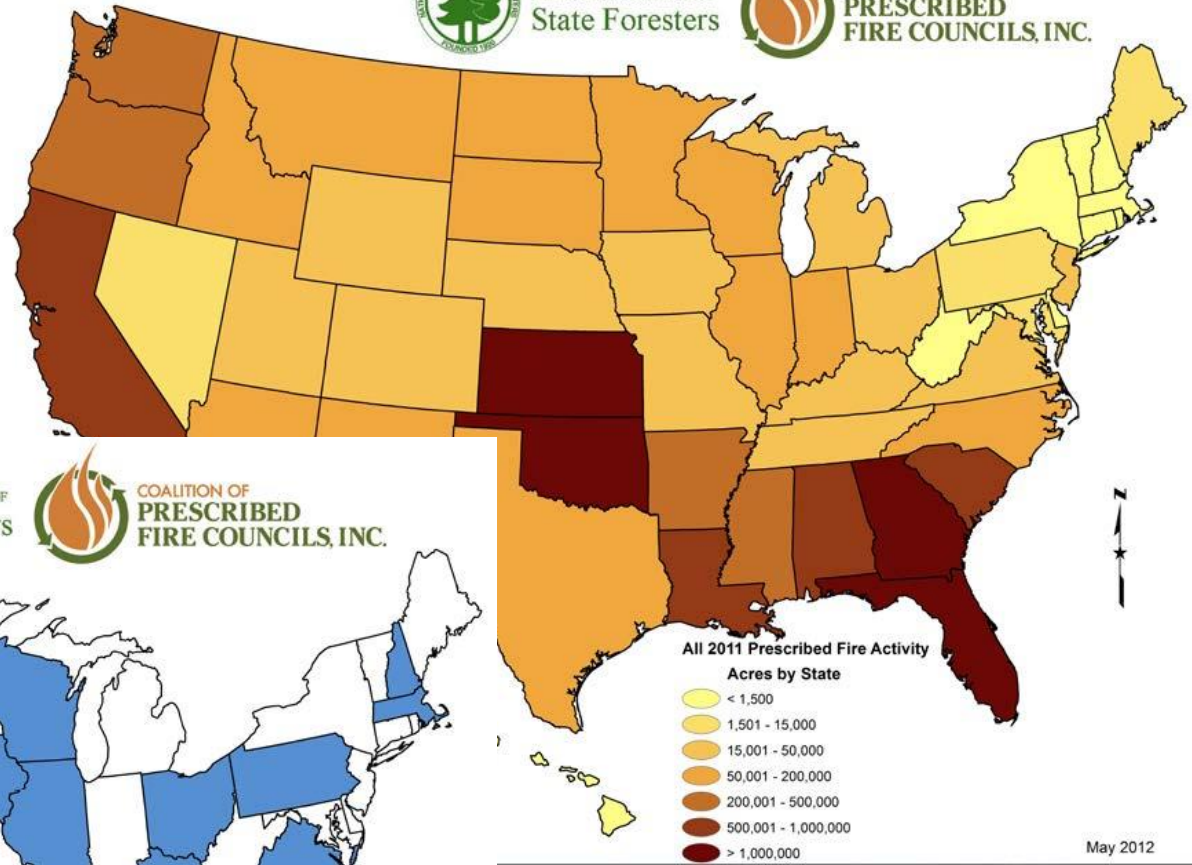
Prescribed fire increase is a cultural change!



NATIONAL ASSOCIATION OF
State Foresters



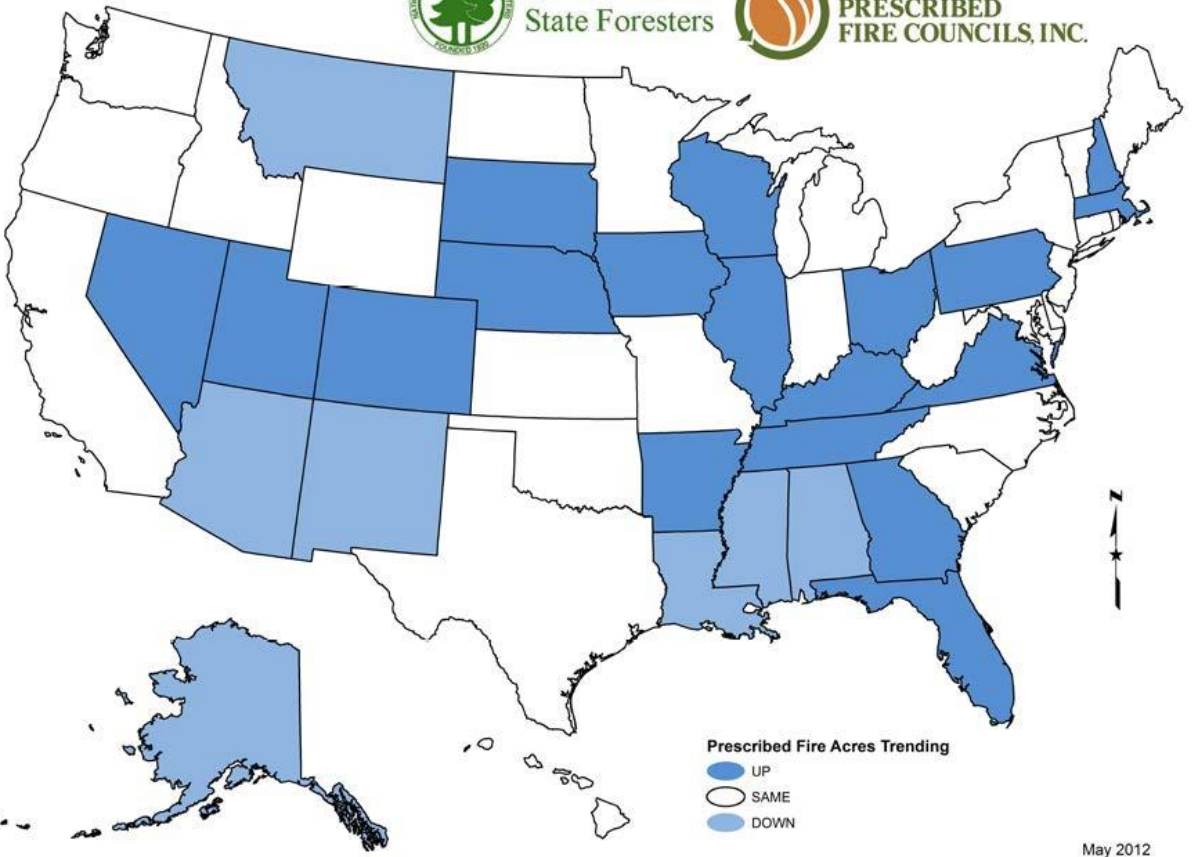
COALITION OF
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FIRE COUNCILS, INC.



NATIONAL ASSOCIATION OF
State Foresters



COALITION OF
PRESCRIBED
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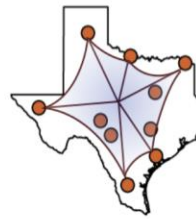
Training the future generations in safe and proper application of fire



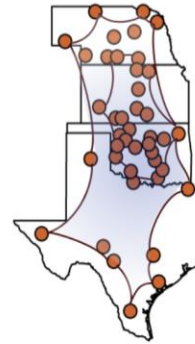
Local Property



County

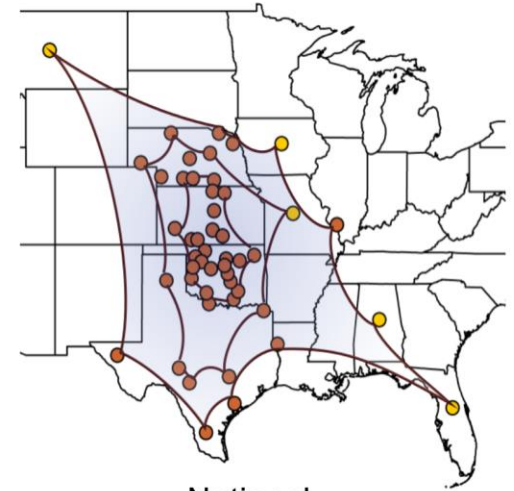


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**-PBAs burning during
burn bans**

**-PBA influence on
officials**

-Support from state

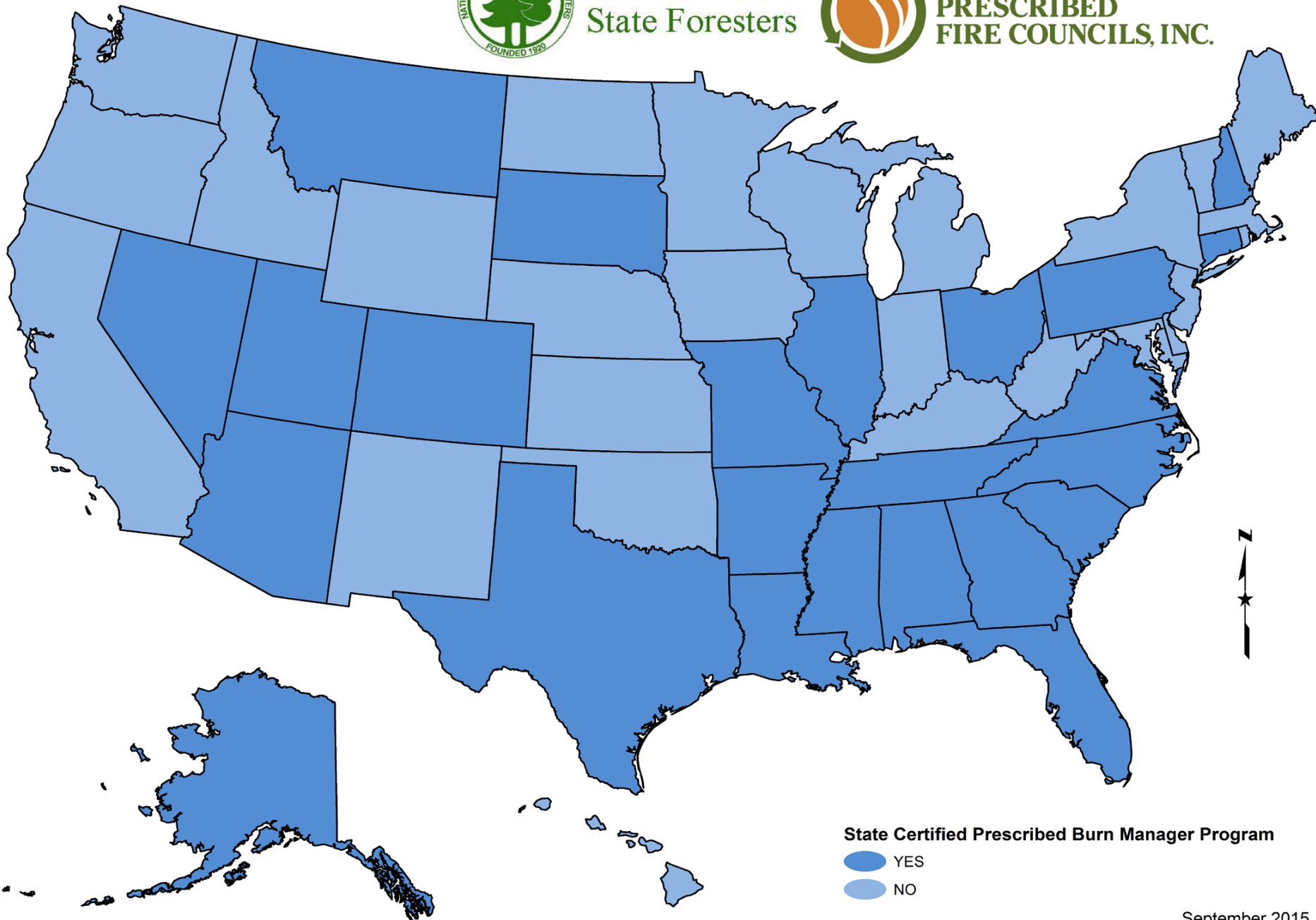






NATIONAL ASSOCIATION OF
State Foresters



COALITION OF
**PRESCRIBED
FIRE COUNCILS, INC.**



State Certified Prescribed Burn Manager Program

-  YES
-  NO

What is the Future?

-Local Level

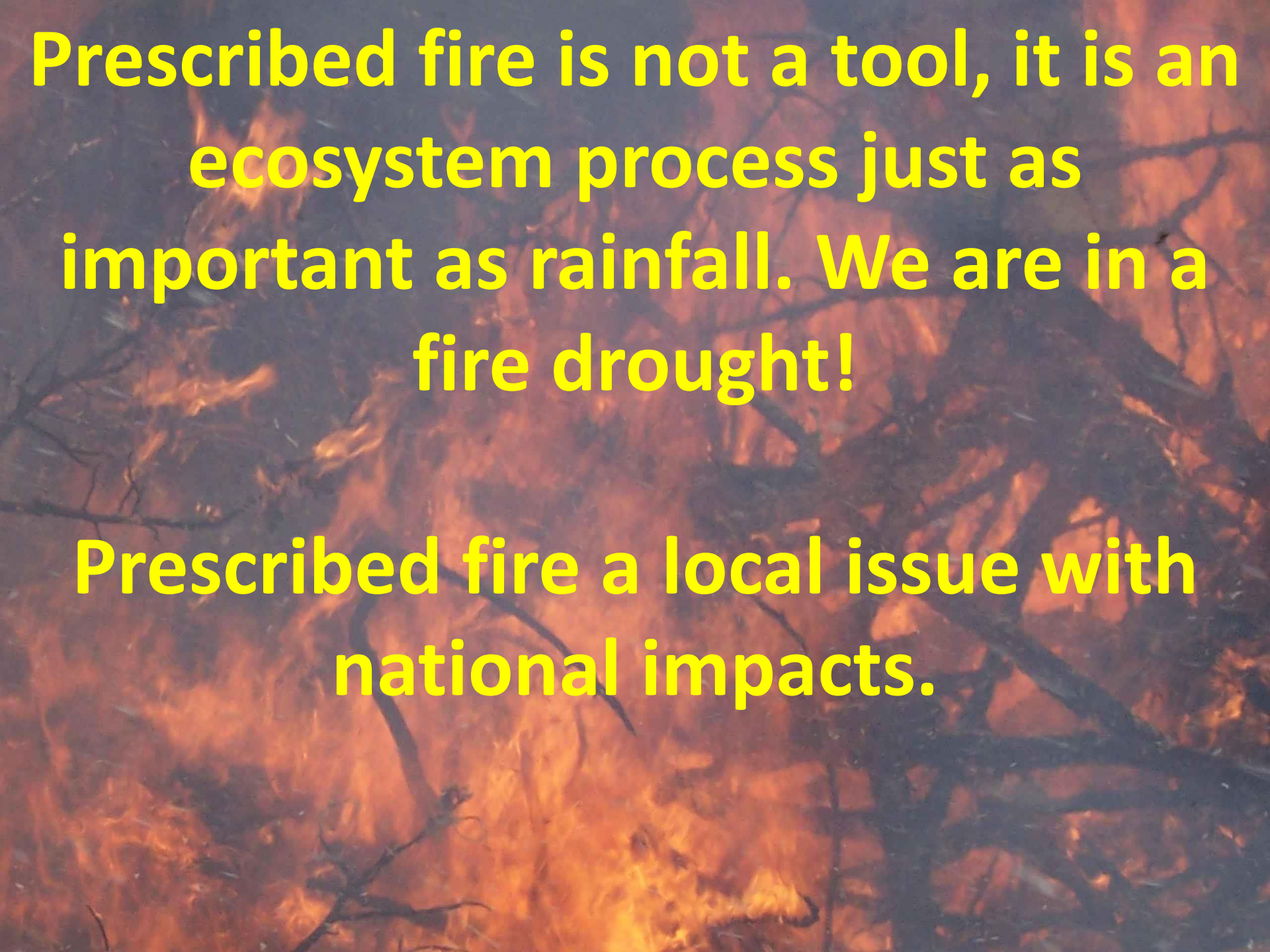
-Regional Level

-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. We are in a fire drought!

Prescribed fire a local issue with national impacts.