

# SFI ANNUAL CONFERENCE

October 6-8, 2015 | Olympic Valley, California

*Ken Pimlott*  
*CAL FIRE Director*  
*CA State Forester*



# Current Conditions California Forests

- **4<sup>th</sup> Year of Prolonged Drought**
- Changing Climate Conditions
- Frequent and More Intense Wildfires
- Epidemic Levels of Forest Pests and Disease
- Threats to Co-Benefits such as Clean Air, Clean Water, and Climate Mitigation
- Steps Going Forward

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# More Frequent and Intense Wildfires

**January 1 – October 3**

**2015 (CAL FIRE) – 5,635 fires for 305,958 acres**

**2014 (CAL FIRE) – 3,885 fires for 190,246 acres**

**Average (CAL FIRE) – 3,967 fires for 107,452 acres**

**159 new wildfires over the past week for California. For CAL FIRE a 42% increase in wildfires.**



## Top 20 Largest California Wildfires

	FIRE NAME (CAUSE)	DATE	COUNTY	ACRES	STRUCTURES	DEATHS
1	<b>CEDAR</b> (Human Related)	October 2003	San Diego	273,246	2,820	15
2	<b>RUSH</b> (Lightning)	August 2012	Lassen	271,911 CA / 43,666 NV	0	0
3	<b>RIM</b> (Human Related)	August 2013	Tuolumne	257,314	112	0
4	<b>ZACA</b> (Human Related)	July 2007	Santa Barbara	240,207	1	0
5	<b>MATILIJIA</b> (Undetermined)	September 1932	Ventura	220,000	0	0
6	<b>WITCH</b> (Powerlines)	October 2007	San Diego	197,990	1,650	2
7	<b>KLAMATH THEATER COMPLEX</b> (Lightning)	June 2008	Siskiyou	192,038	0	2
8	<b>MARBLE CONE</b> (Lightning)	July 1977	Monterey	177,866	0	0
9	<b>LAGUNA (POWERLINES)</b>	September 1970	San Diego	175,425	382	5
10	<b>BASIN COMPLEX</b> (Lightning)	June 2008	Monterey	162,818	58	0
11	<b>DAY FIRE</b> (Human Related)	September 2006	Ventura	162,702	11	0
12	<b>STATION FIRE</b> (Human Related)	August 2009	Los Angeles	160,557	209	2
13	<b>McNALLY</b> (Human Related)	July 2002	Tulare	150,696	17	0
14	<b>STANISLAUS COMPLEX</b> (Lightning)	August 1987	Tuolumne	145,980	28	1
15	<b>ROUGH***</b> (Lightning)	July 2015	Fresno	143,559	4	0
16	<b>BIG BAR COMPLEX</b> (Lightning)	August 1999	Trinity	140,948	0	0
17	<b>HAPPY CAMP COMPLEX</b> (Lightning)	August 2014	Siskiyou	134,056	6	0
18	<b>CAMPBELL COMPLEX</b> (Powerlines)	August 1990	Tehama	125,892	27	0
19	<b>WHEELER</b> (Arson)	July 1985	Ventura	118,000	26	0
20	<b>SIMI</b> (Under Investigation)	October 2003	Ventura	108,204	300	0

\*\*\*Information from the Rough Fire will likely change until the fire is contained.

\*There is no doubt that there were fires with significant acreage burned in years prior to 1932, but those records are less reliable, and this list is meant to give an overview of the large fires in more recent times.

\*\*This list does not include fire jurisdiction. These are the Top 20 regardless of whether they were state, federal, or local responsibility.



9/23/2015

## Top 20 Most Damaging California Wildfires

	<b>FIRE NAME (CAUSE)</b>	<b>DATE</b>	<b>COUNTY</b>	<b>ACRES</b>	<b>STRUCTURES</b>	<b>DEATHS</b>
1	<b>TUNNEL - Oakland Hills</b> ( <i>Rekindle</i> )	October 1991	Alameda	1,600	<b>2,900</b>	25
2	<b>CEDAR</b> ( <i>Human Related</i> )	October 2003	San Diego	273,246	<b>2,820</b>	15
3	<b>VALLEY***</b> ( <i>Under Investigation</i> )	September 2015	Lake, Napa & Sonoma	76,067	<b>1,958***</b>	4
4	<b>WITCH</b> ( <i>Powerlines</i> )	October 2007	San Diego	197,990	<b>1,650</b>	2
5	<b>OLD</b> ( <i>Human Related</i> )	October 2003	San Bernardino	91,281	<b>1,003</b>	6
6	<b>JONES</b> ( <i>Undetermined</i> )	October 1999	Shasta	26,200	<b>954</b>	1
7	<b>BUTTE***</b> ( <i>Under Investigation</i> )	September 2015	Amador & Calaveras	70,868	<b>818***</b>	2
8	<b>PAINT</b> ( <i>Arson</i> )	June 1990	Santa Barbara	4,900	<b>641</b>	1
9	<b>FOUNTAIN</b> ( <i>Arson</i> )	August 1992	Shasta	63,960	<b>636</b>	0
10	<b>SAYRE</b> ( <i>Misc.</i> )	November 2008	Los Angeles	11,262	<b>604</b>	0
11	<b>CITY OF BERKELEY</b> ( <i>Powerlines</i> )	September 1923	Alameda	130	<b>584</b>	0
12	<b>HARRIS</b> ( <i>Under Investigation</i> )	October 2007	San Diego	90,440	<b>548</b>	8
13	<b>BEL AIR</b> ( <i>Undetermined</i> )	November 1961	Los Angeles	6,090	<b>484</b>	0
14	<b>LAGUNA</b> ( <i>Arson</i> )	October 1993	Orange	14,437	<b>441</b>	0
15	<b>LAGUNA</b> ( <i>Powerlines</i> )	September 1970	San Diego	175,425	<b>382</b>	5
16	<b>HUMBOLDT</b> ( <i>Arson</i> )	June 2008	Butte	23,344	<b>351</b>	0
17	<b>PANORAMA</b> ( <i>Arson</i> )	November 1980	San Bernardino	23,600	<b>325</b>	4
18	<b>TOPANGA</b> ( <i>Arson</i> )	November 1993	Los Angeles	18,000	<b>323</b>	3
19	<b>49ER</b> ( <i>Illegal Debris Burning</i> )	September 1988	Nevada	33,700	<b>312</b>	0
20	<b>ANGORA</b> ( <i>Human Related</i> )	June 2007	El Dorado	3,100	<b>309</b>	0

**\*\*\*Information from the Butte Fire and Valley Fire will likely change until the fire is contained and the full damage inspection is complete.**

\*"Structures" include homes, outbuildings (barns, garages, sheds, etc) and commercial properties.

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9/25/2015

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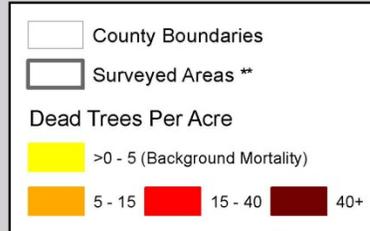




# STATE OF CALIFORNIA

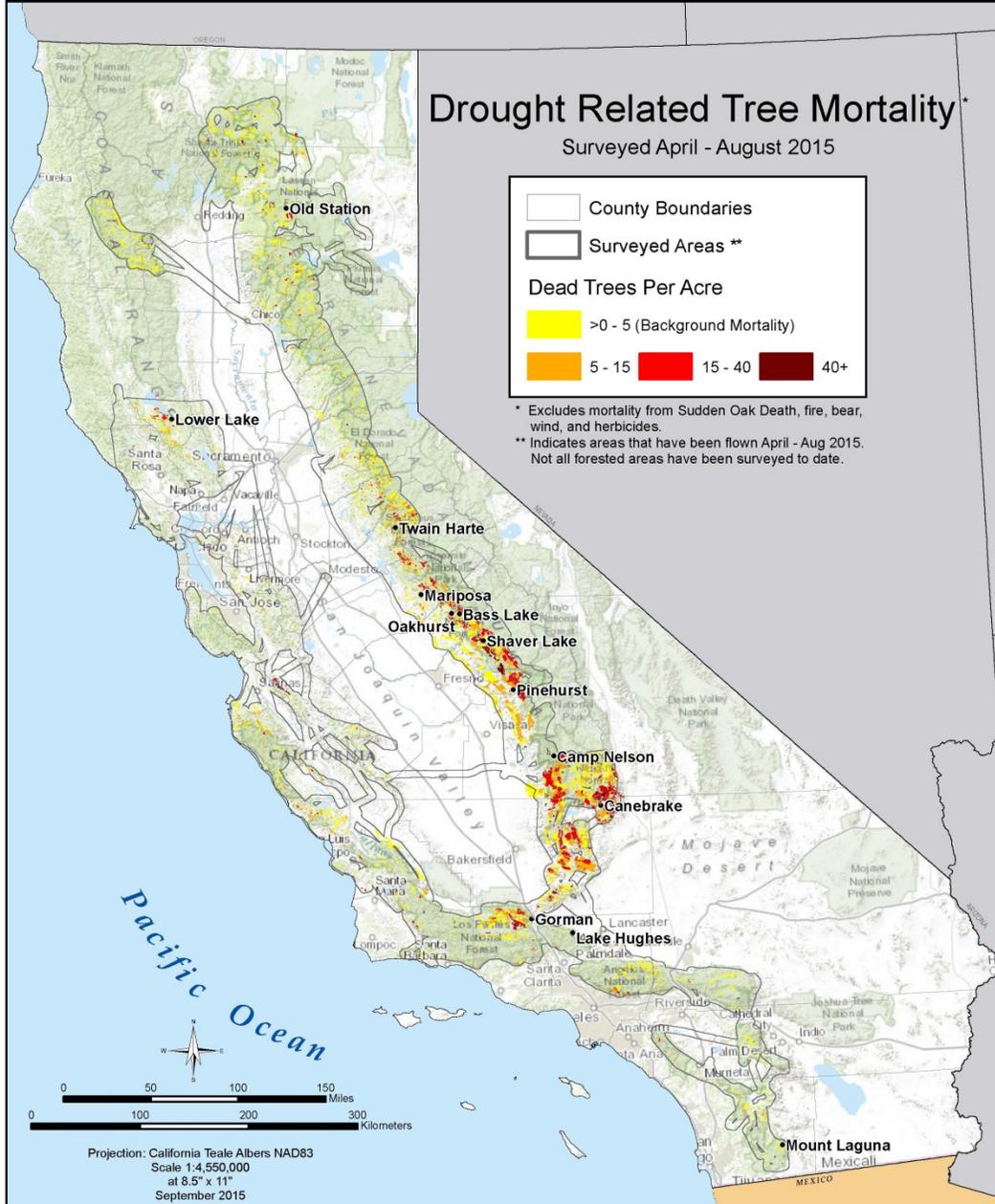
## Drought Related Tree Mortality\*

Surveyed April - August 2015



\* Excludes mortality from Sudden Oak Death, fire, bear, wind, and herbicides.

\*\* Indicates areas that have been flown April - Aug 2015. Not all forested areas have been surveyed to date.



Projection: California Teale Albers NAD83  
 Scale 1:4,550,000  
 at 8.5" x 11"  
 September 2015

The State of California and the Department of Forestry and Fire Protection make no representations or warranties regarding the accuracy of data or maps. Neither the State nor the Department shall be liable under any circumstances for any direct, special, incidental, or consequential damages with respect to any claim by any user or third party on account of, or arising from, the use of data or maps.

Edmund G. Brown Jr., Governor, State of California  
 John Laird, Secretary for Resources, The Natural Resources Agency  
 Ken Pimlott, Director, Department of Forestry and Fire Protection

DATA SOURCES  
 Aerial Detection Survey (USFS, 2016)

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# Reducing Emissions

*“Governor Brown Established Most Ambitious Greenhouse Gas Reduction Target in North America”*

New California Goal Aims to Reduce Emissions 40% Below 1990 Levels by 2030



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# Steps Going Forward

- Fire Prevention Fee Funded Projects/Grants
- Green House Gas Reduction Fund
- Restore Mill Capacity
- Bioenergy
- Prescribed Fire MOU
- Landscape Level Projects

# Management is Key



# Landscape Level Projects





- Questions?