

What the Future Holds

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CAL FIRE

February 23, 2019

California SAF Winter Meeting Folsom, CA



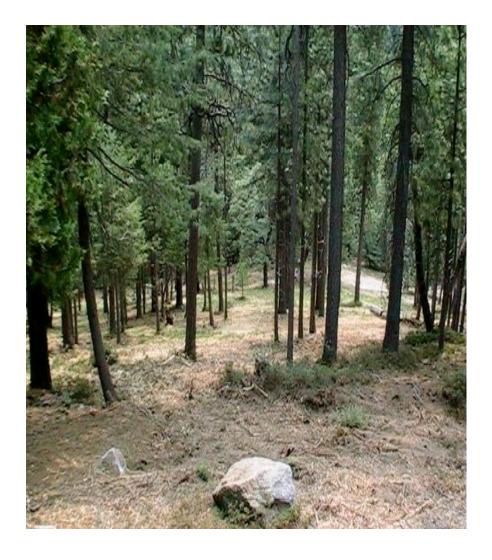




Lassen-Modoc Unit

Thinned Stand









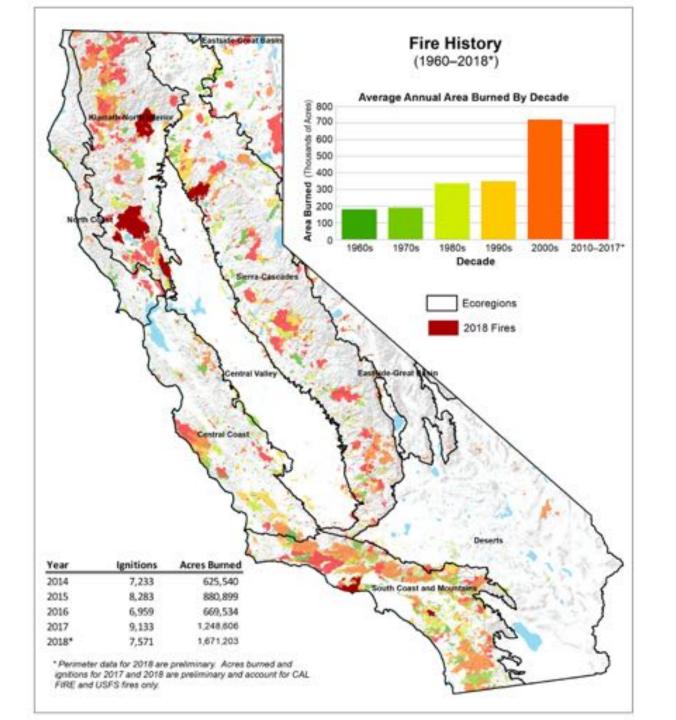
Camp Fire, 2018:

85 fatalities

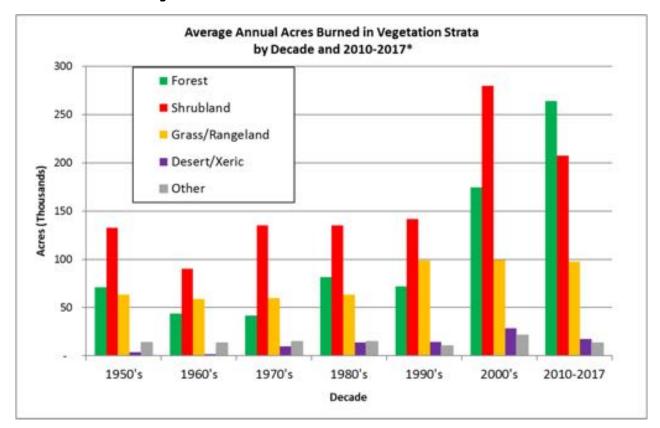
18, 804 homes destroyed

Year	Total hurricanes	Made landfall as hurricane in the U.S.	Deaths
1000	10	2	22
1998	10	3	23
1999	8	2	60
2000	8	0	4
2001	9	0	42
2002	4	1	5
2003	7	2	24
2004	9	6	59
2005	15	7	1,518
2006	5	0	0
2007	6	1	1
2008	8	4	41
2009	3	1	6
2010	12	0	11
2011	7	1	44
2012	10	1	83
2013	2	0	1
2014	6	1	2
2015	4	0	3
2016	7	3	36
2017	10	4	147

Source: Insurance
Information Institute from
data supplied by the U.S.
Department of Commerce,
National Oceanic and
Atmospheric
Administration, National
Hurricane Center.

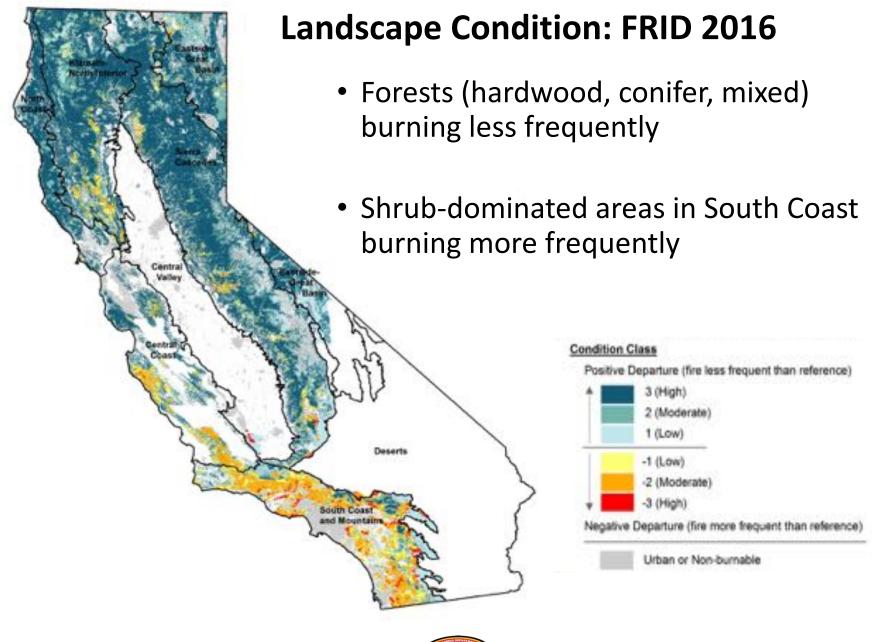


Wildfire Activity: Area Burned 1960-2017



- Increase in annual area burned in both conifer and shrub over the last two decades
- 2000-2009, more shrub. 2010-2017, more forest.







Executive Order

B-52-18

May 10, 2018

Double the total statewide rate of forest treatments within 5 years to at least 500,000 acres per year.

Increase new landowner agreements and memoranda of understanding, such as Good Neighbor Authority agreements, to accelerate forest restoration thinning and prescribed fire projects across jurisdictions.



Executive Order

N-05-19

January 8, 2019

Actions to reduce the impact of deadly wildfires this year:

- How to quickly deploy personnel and resources for fuels management
- Policy changes to allow more rapid and effective fuels management
- Methods to identify highest risk communities



The 2018-2019 budget allocated \$200 million to CAL FIRE CCI Programs:

California Climate Investments

 \$165 million for Forest Health, Forest Legacy, and Fire Prevention grants

\$35 million for fuels reduction crews

National Guard, 5 crews



California Climate Investments

- Total \$200 million in FY 18-19 budget from GGRF
 - \$35 million for 6 prescribed fire crews start up costs included
 - \$165 million for Forest Health and Fire Prevention
 - \$5 million to Urban and Community Forestry
 - \$5 million to California Conservation Corps
 - Up to \$155 million for Forest Health and Fire Prevention projects including grants
- 5 years "continued" funding in SB901 Wildfires
 - \$1 billion to be allocated between FY 19-20 and 23-24 (5 years)
 - Prescribed fire crews will expand to 10

CCI Grants Awarded

• FY 17-18: \$91.5 million awarded

• FY 16-17: \$16 million awarded

• 27 total projects; 240,000 acres

Other data			
Research (# of projects)	9		
Biomass Utilization (tons)	1,300,440		
Reforestation (trees)	4,523,428		

Treatment Activity	Acres
Fuels Reduction	91,987
Prescribed Fire	27,883
Pest Management	24,076
Biomass Utilization	65,784
Reforestation	17,739
Conservation Easement	19,315
Total	246,784

CAL FIRE Prescribed Fire Crews

3 Crews in Southern Region, 3 in the Northern Region

- 1 Fire Captain
- 1 Fire Apparatus Engineer
- 1 Forestry Assistant II
- 1 Equipment Operator
- 9 Forestry Technicians

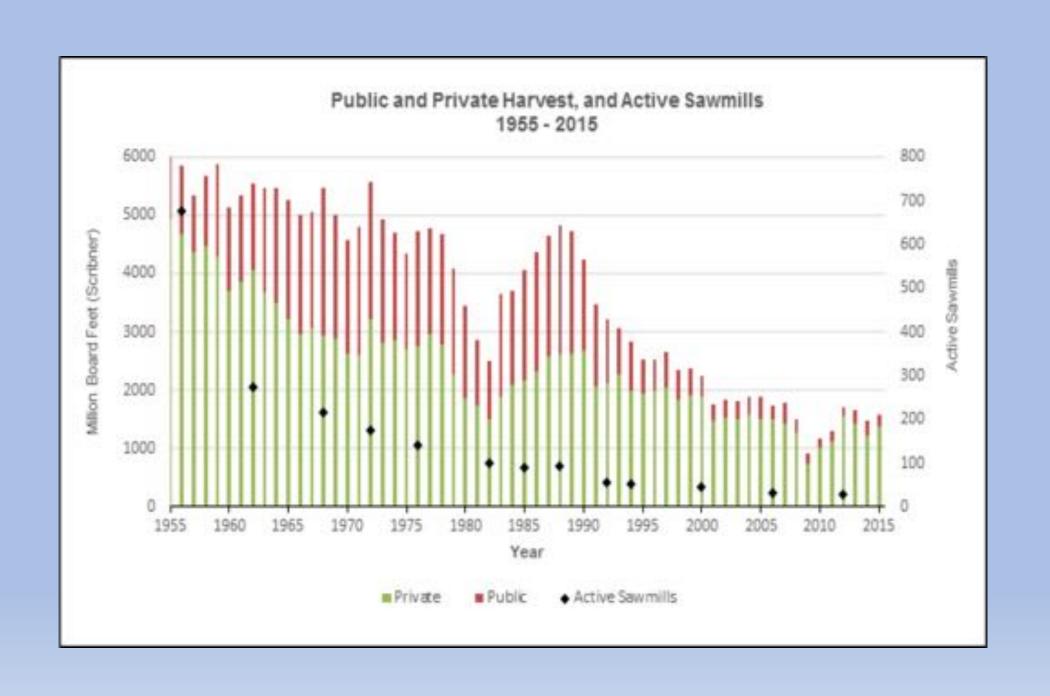
CAL FIRE Vegetation

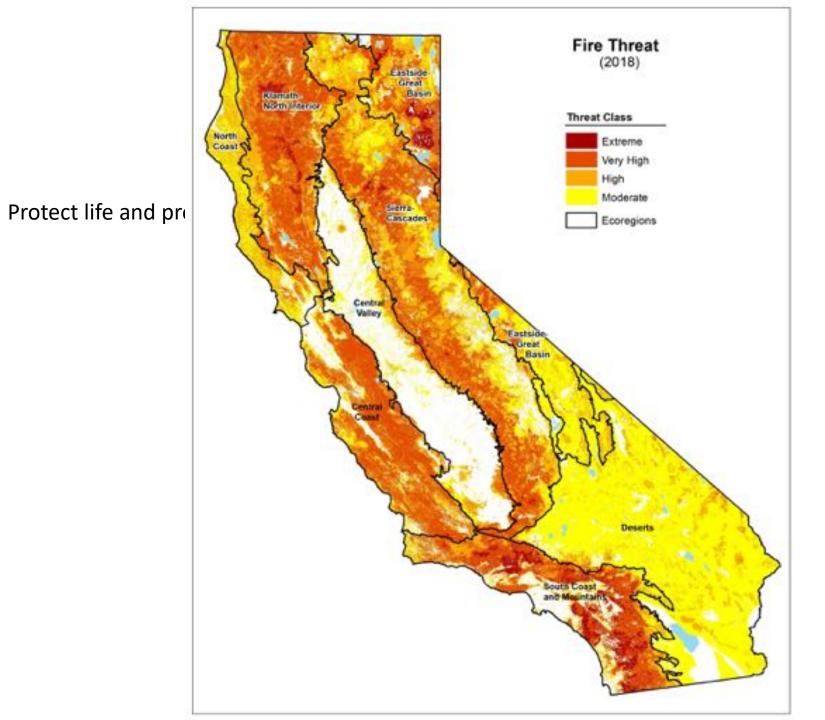
Management Program projects

Cooperative Projects

- Department of Parks and Recreation
- The Nature Conservancy (TREX)
- Watershed Learning center
- USDA Forest Service
- Other

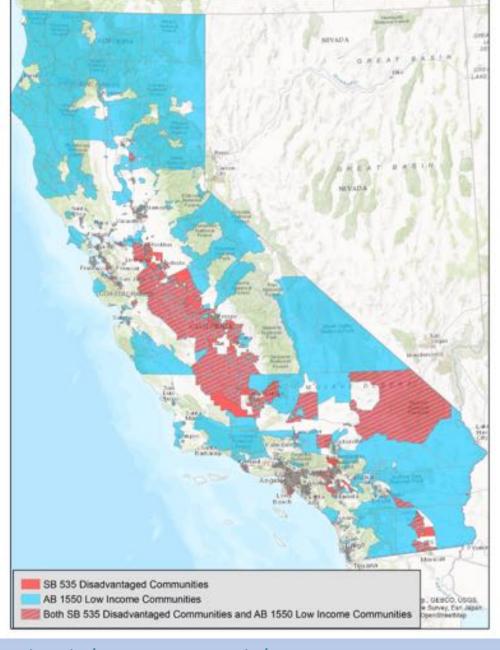




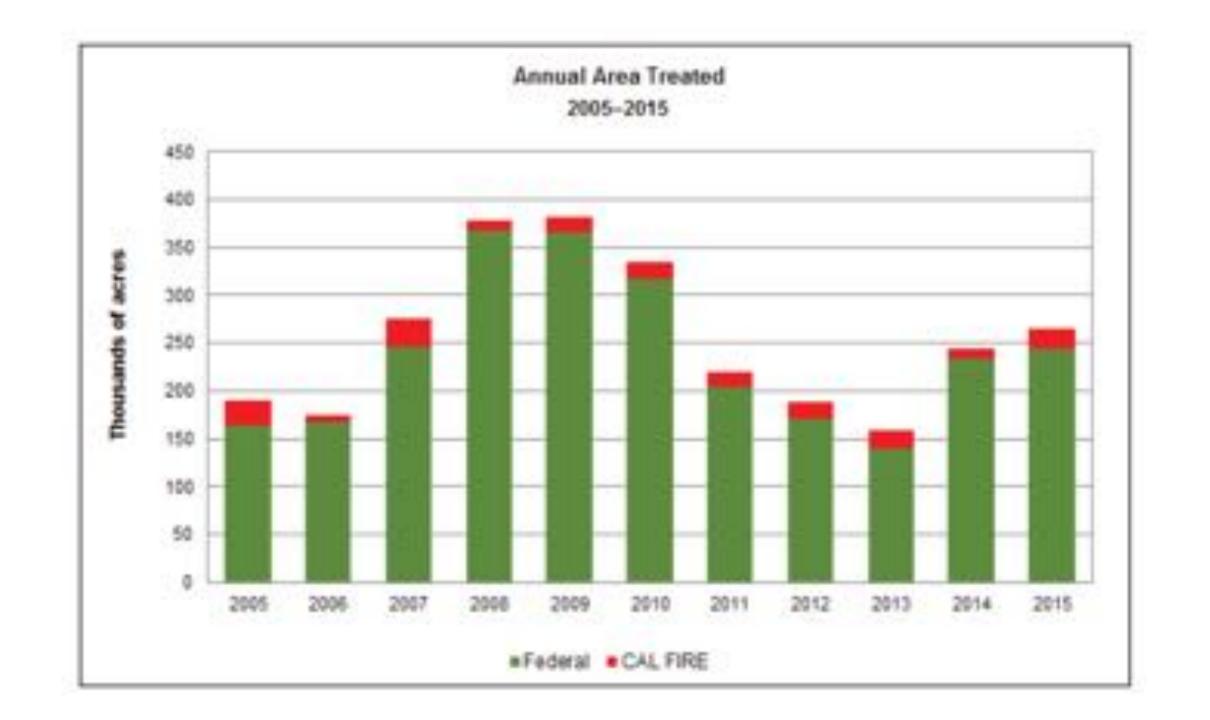


Disadvantaged & Low-income Communities Investments























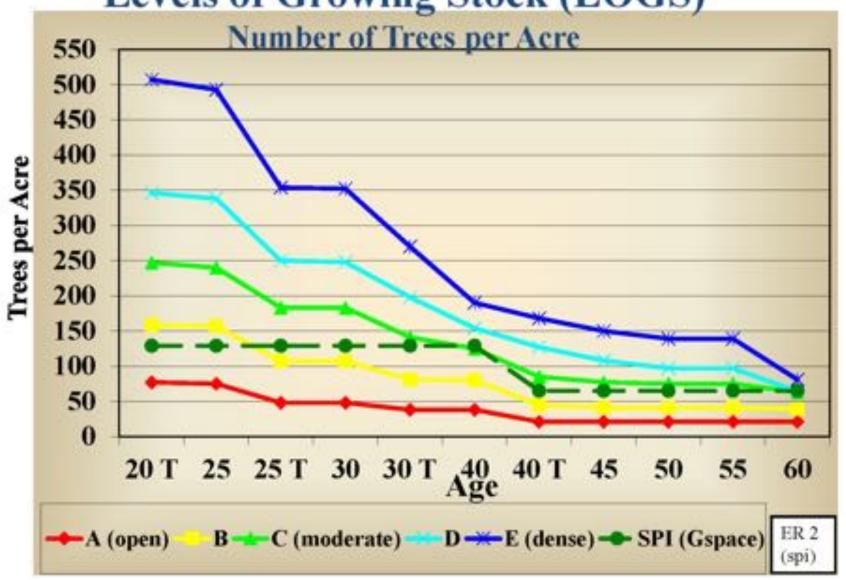


SPI 1038
Drought
Mortality
Exemption
Tuolumne
County



Area under a
THP that was
declared
substantially
damaged
timberlands
from bark
beetle epidemic

Tuolumne County Elliot Ranch Thinning Study Levels of Growing Stock (LOGS)



Elliot Ranch Thinning Study Levels of Growing Stock (LOGS)

Mortality (Number of trees/acre that died in the period)

