



# **CAL FIRE**

## **Office of the State Fire Marshal**

### **Community Wildfire Preparedness and Mitigation Webinar Series**

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**April 10, 2023**

***California Incident Data and Statistics (CalStats) Program  
Summary of the 2022 Fires and the Redbooks***

# Welcome!



- The purpose of this webinar series is to host a live and interactive platform to discuss and educate on Community Wildfire Preparedness and Mitigation (CWPM) fire safety topics directly from our Office of the State Fire Marshal CWPM Staff.
- More information on the webinar series can be found any time at [osfm.fire.ca.gov/wildfire-public-education/](https://osfm.fire.ca.gov/wildfire-public-education/)

**If you experience technical difficulties during this presentation, please contact Kara Garrett at (916) 201-5539 or [Kara.Garrett@fire.ca.gov](mailto:Kara.Garrett@fire.ca.gov)**

# CalStats

## Speaker Introduction

### Kate Kovanda

Analyst

California Incident Data and Statistics

Resources can be found at:

[osfm.fire.ca.gov/divisions/community-wildfire-preparedness-and-mitigation/california-incident-data-and-statistics-program/](https://osfm.fire.ca.gov/divisions/community-wildfire-preparedness-and-mitigation/california-incident-data-and-statistics-program/)



# 2022 Wildfire Summary

## California Wildfire Statistics

For accuracy and quality control, CAL FIRE annual wildfire statistics are strictly reviewed before being finalized and published.

As such, the numbers in this presentation are not yet considered final and are subject to change.



# 2022 Wildfire Summary

## California Wildfire Statistics

All Jurisdictions

Total Number of Wildfires:

**7,477**

Total Acres Burned:

**307,501**



Please note that 2022 statistics are not yet final. Numbers are subject to change.

# 2022 Wildfire Summary

## Compared to Previous Year

**Total Number of Wildfires:**

*1% increase from 2021*

**Total Acres Burned:**

*88% decrease from 2021*



# 2022 Wildfire Summary

**5 Year Average**  
**All Jurisdictions**

**Total Number of Wildfires:**

**7,572**

**Total Acres Burned:**

**1,884,337\***



*Please note that 2022 statistics are not yet final. Numbers are subject to change.*

# 2022 Wildfire Summary

## \*2020 Wildfires

- Largest recorded wildfire season in California's modern history
- Over 4 million acres burned
- August Complex Fire burned over 1 million acres across seven counties





# 2022 Wildfire Summary

## 3 Largest Fires (Acres Burned)

1. **Mosquito Fire, Placer County (Pictured)**  
76,788 acres burned, 78 structures destroyed
2. **McKinney Fire, Siskiyou County**  
60,138 acres burned, 185 structures destroyed
3. **SRF Lightning Complex, Trinity County**  
41,600 acres burned, 8 structures destroyed



Please note that 2022 statistics are not yet final. Numbers are subject to change.

# 2022 Wildfire Summary

## 3 Most Destructive Fires (Structure Loss)

- 1. Oak Fire, Mariposa County**  
19,244 acres burned, 194 structures destroyed
- 2. Mill Fire, Siskiyou County (Pictured)**  
3,939 acres burned, 118 structures destroyed
- 3. Mosquito Fire, Placer County**  
76,788 acres burned, 78 structures destroyed



Please note that 2022 statistics are not yet final. Numbers are subject to change.

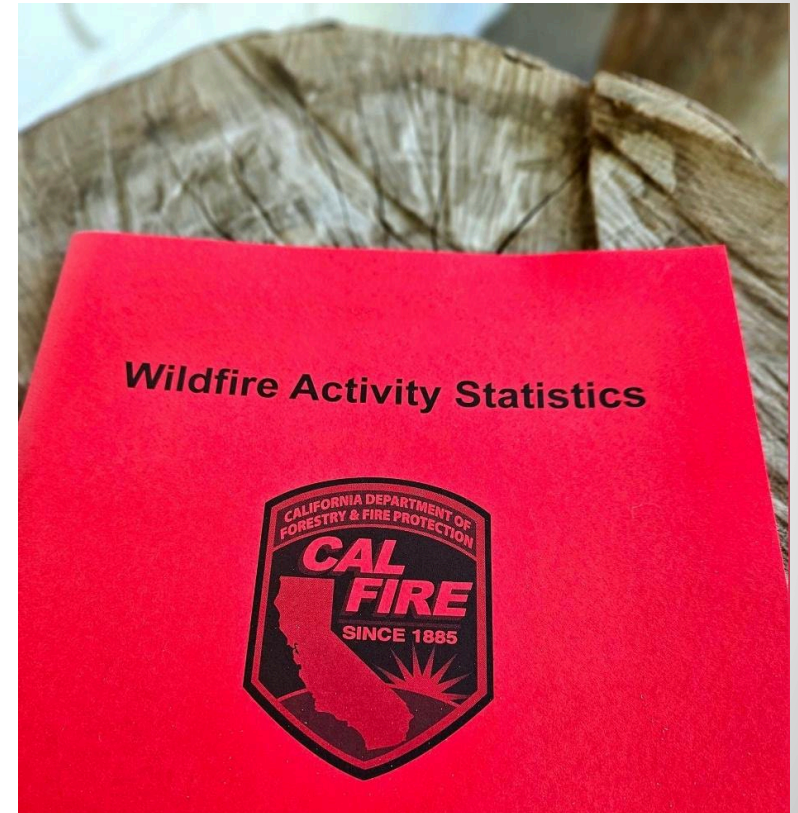
# Redbooks

## Wildfire Activity Statistics (Redbooks)

### What are Redbooks?

Redbooks are CAL FIRE's annual report on State Responsibility Area (SRA) wildfire activity statistics.

These statistics are compiled by the California Incident Data and Statistics Program (CalStats).



# Redbooks

## Data Collection

### How is Redbook data collected?

After a wildfire occurs, the respective CAL FIRE Unit enters the incident data (acres burned, cause of ignition, etc.) into the CAL FIRE Incident Reporting System (CALFIRS).

CALFIRS is a web-based subscription service utilizing both national data standards and CAL FIRE specifications.



# Redbooks

## Responsibility Area

### What does State Responsibility Area mean?

State Responsibility Area (SRA) is State and privately-owned forest, watershed, and rangeland for which the primary financial responsibility of preventing and suppressing wildfires rests with the State.

The tables and graphs in the Redbooks represent CAL FIRE SRA, unless otherwise specified.



# Redbooks

## Redbook Data

### What kind of information does the Redbook include?

The Redbooks contain information such as acres burned, fire cause, dollar damage, and number of wildland fires.

These figures are broken down by Region, CAL FIRE Unit, County, and formats that are of interest for legislation and various stakeholders.

Table 8. Number of Fires by Cause, by Unit

	Total	Arson	Camp-fire	Debris Burning	Elec. Power	Equip. Use	Ltng.	Misc.	P-W-F	Rail-road	Smoking	Undet.	Vehicle
<b>NORTHERN REGION</b>													
Amador-El Dorado	255	18	8	72	27	34	8	24	2	0	5	27	30
Butte	97	18	0	12	9	22	7	8	0	0	4	10	7
Humboldt-Del Norte	106	16	10	16	8	7	2	4	2	0	0	33	8
Lassen-Modoc	78	5	1	12	2	3	38	6	1	0	0	6	4
Mendocino	134	22	2	35	11	6	10	12	1	0	1	15	19
Nevada-Yuba-Placer	278	19	5	62	24	54	6	19	2	3	6	47	31
San Mateo-Santa Cruz	75	11	6	5	18	1	2	11	3	0	0	11	7
Santa Clara	142	18	0	1	20	9	0	13	4	0	3	39	35
Shasta-Trinity	205	66	7	31	17	25	12	11	4	0	10	7	15
Siskiyou	81	1	2	14	7	8	16	4	0	0	1	11	17
Sonoma-Lake-Napa	282	49	15	41	39	33	7	18	3	0	6	25	46
Tehama-Glenn	67	15	1	12	8	12	1	7	3	0	0	2	6
<b>TOTAL</b>	<b>1,800</b>	<b>258</b>	<b>57</b>	<b>313</b>	<b>190</b>	<b>214</b>	<b>109</b>	<b>137</b>	<b>25</b>	<b>3</b>	<b>36</b>	<b>233</b>	<b>225</b>
<b>SOUTHERN REGION</b>													
Fresno-Kings	108	24	3	17	14	9	0	8	2	0	1	16	14
Madera-Mariposa-Merced	150	7	2	34	15	20	4	14	1	0	4	8	41
Riverside	198	35	7	11	9	18	4	20	7	2	10	56	19
San Benito-Monterey	60	1	4	11	8	4	0	6	1	0	0	16	9
San Bernardino	138	11	10	10	5	7	3	16	5	0	2	45	24
San Diego	210	22	9	13	16	20	16	26	3	0	3	50	32
San Luis Obispo	84	5	7	11	10	3	0	12	2	0	1	14	19
Tulare	61	8	0	9	2	9	11	2	1	0	1	7	11
Tuolumne-Calaveras	245	15	5	47	15	25	5	28	7	1	2	70	25
<b>TOTAL</b>	<b>1,254</b>	<b>128</b>	<b>47</b>	<b>163</b>	<b>94</b>	<b>115</b>	<b>43</b>	<b>132</b>	<b>29</b>	<b>3</b>	<b>24</b>	<b>282</b>	<b>194</b>
<b>STATE TOTAL</b>	<b>3,054</b>	<b>386</b>	<b>104</b>	<b>476</b>	<b>284</b>	<b>329</b>	<b>152</b>	<b>269</b>	<b>54</b>	<b>6</b>	<b>60</b>	<b>515</b>	<b>419</b>

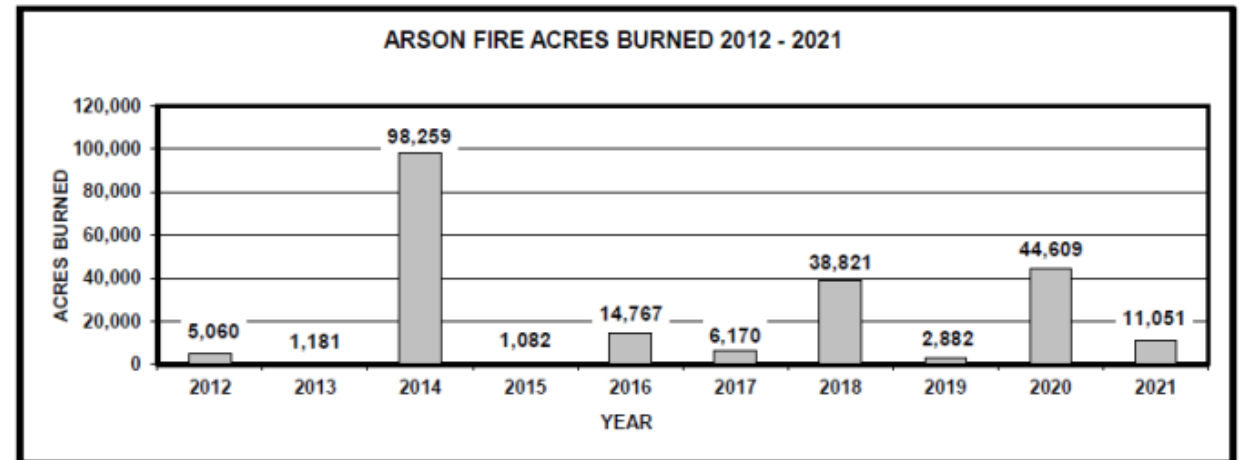
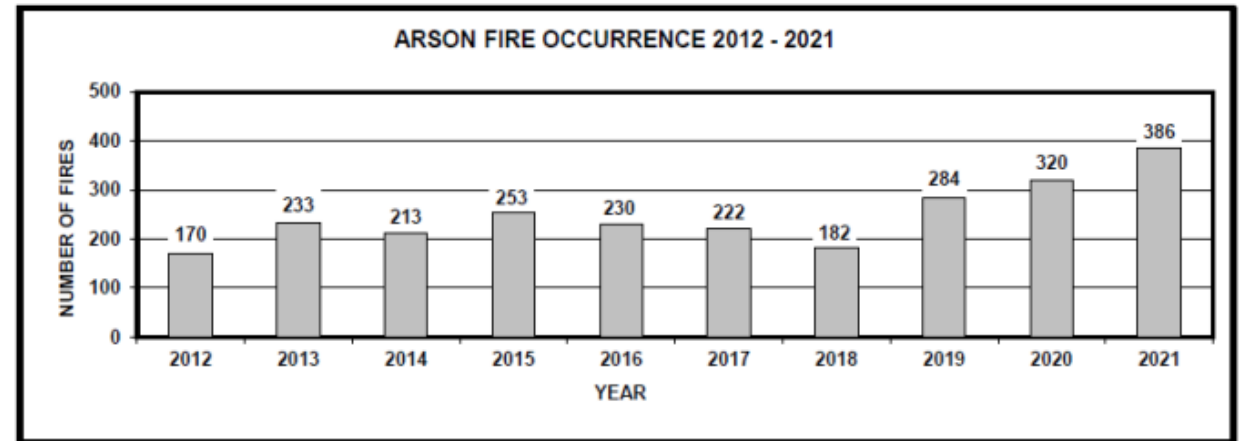
# Redbooks

## Redbook Data

### What kind of information does the Redbook include?

The Redbooks contain information such as acres burned, fire cause, dollar damage, and number of wildland fires.

These figures are broken down by Region, CAL FIRE Unit, County, and formats that are of interest for legislation and various stakeholders.



# Redbooks



## CAL FIRE At a Glance

CAL FIRE is responsible for providing wildland fire protection, fire prevention, and resource management on more than 31 million acres of SRA land throughout California.

CAL FIRE also provides emergency services to 115 local government cooperators through agreements with districts, cities, and counties.



# Redbooks

## Contract Counties

### What are Contract Counties?

CAL FIRE contracts with six counties to provide SRA protection within their boundaries.

These counties (Kern, Los Angeles, Marin, Orange, Santa Barbara, and Ventura) are referred to as Contract Counties.



# Redbooks

## Contract Counties

### What are Contract Counties?

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These counties (Kern, Los Angeles, Marin, Orange, Santa Barbara, and Ventura) are referred to as Contract Counties.

Table 7. Number of Fires and Acres Burned by Cause and by Size in Contract Counties

#### Number of Fires by Cause

Contract Counties	Total	Arson	Campfire	Debris Burning	Electrical Power	Equipment Use	Ltng.	Misc.	P-W-F	Railroad	Smoking	Undet.	Vehicle
Kern	68	6	0	2	1	17	1	16	0	0	0	25	0
Los Angeles	92	8	14	4	1	11	4	22	6	0	3	19	0
Marin	17	0	0	0	0	1	0	14	0	0	0	1	1
Orange	7	1	0	0	0	0	0	3	0	0	0	2	1
Santa Barbara	29	0	0	4	0	2	0	19	0	0	0	0	4
Ventura	40	2	0	0	2	1	0	27	0	0	0	8	0
<b>TOTAL</b>	<b>253</b>	<b>17</b>	<b>14</b>	<b>10</b>	<b>4</b>	<b>32</b>	<b>5</b>	<b>101</b>	<b>6</b>	<b>0</b>	<b>3</b>	<b>55</b>	<b>6</b>

#### Number of Acres Burned by Cause

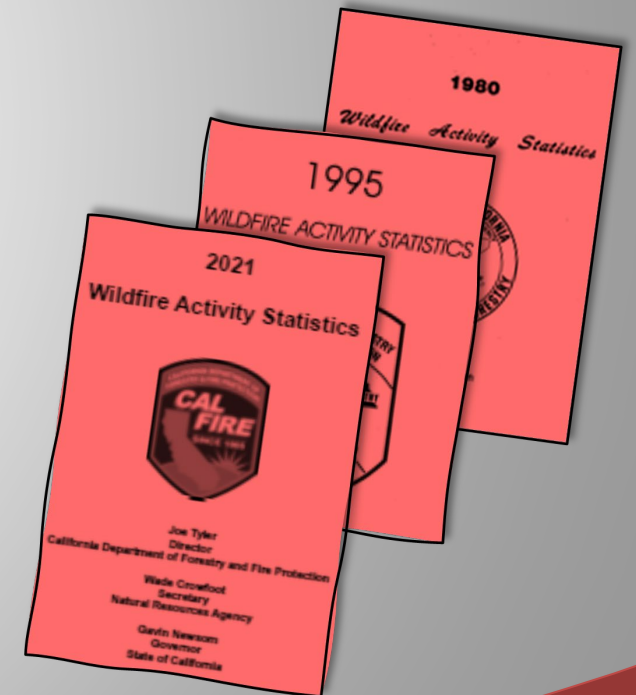
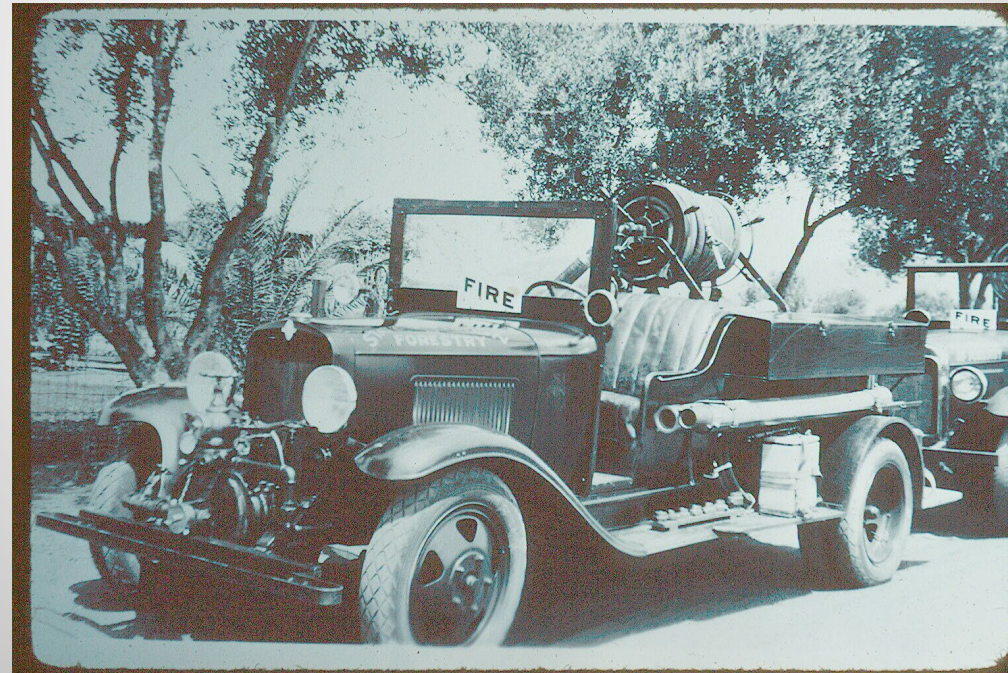
Contract Counties	Total	Arson	Campfire	Debris Burning	Electrical Power	Equipment Use	Ltng.	Misc.	P-W-F	Railroad	Smoking	Undet.	Vehicle
Kern	4,684	67	0	54	0	2,045	1	2,109	0	0	0	408	0
Los Angeles	1,668	660	12	1	18	368	1	27	3	0	101	477	0
Marin	57	0	0	0	0	44	0	12	0	0	0	1	0
Orange	3	0	0	0	0	0	0	0	0	0	0	3	0
Santa Barbara	187	0	0	108	0	2	0	14	0	0	0	0	63
Ventura	107	5	0	0	0	0	0	94	0	0	0	8	0
<b>TOTAL</b>	<b>6,706</b>	<b>732</b>	<b>12</b>	<b>163</b>	<b>18</b>	<b>2,459</b>	<b>2</b>	<b>2,256</b>	<b>3</b>	<b>0</b>	<b>101</b>	<b>897</b>	<b>63</b>



# Redbooks

## Did you know?

The Department of Forestry and Fire Protection has been producing the annual Redbooks since 1943.



# Redbooks

## Where can I find the Redbooks?

Published Redbooks (going back to 2008) can be found at [fire.ca.gov](https://fire.ca.gov) on the **Statistics** page.

### QUICK LINKS

Current Incidents

2023 Incidents

Defensible Space

Executive Staff

Resources

Statistics

Subscribe to Newsletter

What We Do

Fire Season Declarations (Summer/Winter Preparedness)

Past Wildfire Activity Statistics (Redbooks)



# Prepare



[FIRE.CA.GOV/PREPARE](https://fire.ca.gov/prepare)



# CalStats

## Questions?

### Kate Kovanda

Analyst

California Incident Data and Statistics

#### Resources can be found at:

[osfm.fire.ca.gov/divisions/community-wildfire-preparedness-and-mitigation/california-incident-data-and-statistics-program/](https://osfm.fire.ca.gov/divisions/community-wildfire-preparedness-and-mitigation/california-incident-data-and-statistics-program/)



# Join us for our next webinar!



**Monday, April 24, 2023**  
**1:00 PM – 1:30 PM**

Featuring information on burn permits and the new burn permit application platform.

More information on the webinar series can be found any time at [osfm.fire.ca.gov/wildfire-public-education/](https://osfm.fire.ca.gov/wildfire-public-education/)

