# 2015 v 2020 Wildfires in California

Telling a Narrative with Maps
Process Book
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# 1.

## Ideas and Research

Wild-Fires in California

    Choropleth
        ~ zoomed into California showing all of the fires
        ~ how many deaths per fire
    Symbol
        ~ severity - least damaging to most damaging
    Locator
        ~ showing how close each fire is to the next in order by date
        ~ How long the fire lasted

Airplane travels during COVID

    Choropleth
        ~ of the world showing each plane of where they are coming and go-
        ing from.
    Symbol
        ~ shortest to longest flight
    Locator
        ~ showing each airport that is open

COVID cases in Colleges around the USA

    Choropleth
        ~ of the USA showing all of the colleges with COVID cases
    Symbol
        ~ severity least to greatest in number
    Locator
        ~ showing the 5 top colleges with the most cases

Sources

https://www.fire.ca.gov

https://www.fire.ca.gov/incidents/2015/

https://www.fire.ca.gov/incidents/2020/

https://www.california-demographics.com/counties_by_population

https://www.counties.org/sites/main/files/file-attachments/california_county_popu-
lation_estimates_2016.pdf

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***Who:* is your audience? Who are you sharing this information with?**
    ◊ US Citizens

***What:* exactly are you trying to tell them?**
    ◊ How bad the fires have been in california this year compared to 5 years ago
    ◊ Acres Burned
    ◊ How many deaths per fire (?).
    ◊ How long each fire lasted

***Where:* is the geographic focus? is it hyperlocal? national? global? Does there need to be comparison between multiple for context?**
    ◊ California, United States
    ◊ Yes, comparing 2015 wild-fires in california to 2020 wild-fires in california

***When*: is the timespan you are looking at? Is your story something that spans over time, or a specific date?**
    ◊ 2015 and 2020

***Why:* do you feel people need to know this? what is the specific purpose?**
    ◊ Bring awareness of how damaging wild-fires can be and also the difference in 5 years.

***How:* will you walk through a narrative? Think of the important features of a story: introduction, building action/details, climax (in this case it should be the exciting takeaway), and conclusion.**
    ◊ *First* - I will have a blurb about wildfires in californoa and show the wildfires in 2015 and 2020 across CA.
    ◊ *Then* - I will show 2015 wild-fires showing acres burned, duration of the fire, and damage.
    ◊ *Then* - I will show 2020 wildfires showing acres burned, duration of the fire, and damage.
    ◊ *Then* - I will show a comparison on the same map both years in terms of where each fire was and highlight any overlapping areas.
    ◊ *Lastly* - I will show the total amount of acres burned from wild-fires in California in total (2015 and 2020).
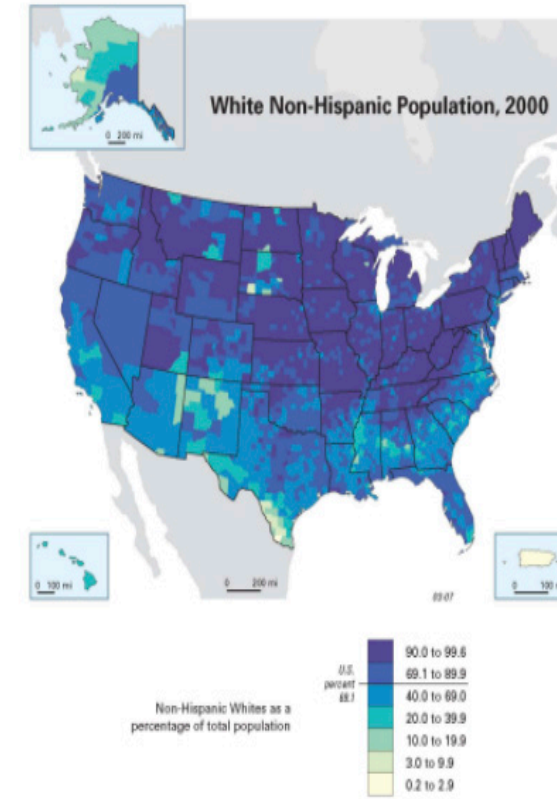
## 2015 Incidents

| Name | Start Date | Counties | Acres | Containment |
|------|-----------|----------|-------|-------------|
| Round Fire | 2/6/2015 | Inyo and Mono | 7,000 | 100% |
| Van Dyke Fire | 2/6/2015 | Mono | 509 | 100% |
| Stephens Fire | 2/24/2015 | Siskiyou | 200 | 100% |
| Ward Fire | 4/13/2015 | Plumas | 137 | 100% |
| Highway Fire | 4/18/2015 | Riverside | 1,049 | 100% |
| Forebay Fire | 5/11/2015 | Merced | 275 | 100% |
| Christensen Fire | 5/28/2015 | Alameda | 242 | 100% |
| Harrison Fire | 6/1/2015 | Riverside | 80 | 100% |
| Snow Fire | 6/5/2015 | Riverside | 25 | 100% |
| FKU Lightning Fires | 6/5/2015 | Fresno | 45 | 100% |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

## 2020 Incidents

| Name | Start Date | Counties | Acres | Containment |
|------|-----------|----------|-------|-------------|
| Bear Fire | 2/15/2020 | Humboldt | 15 | 100% |
| Antelope Fire | 2/17/2020 | Sierra | 102 | 100% |
| Beegum Fire | 2/23/2020 | Tehama | 75 | 100% |
| Wood Fire | 2/23/2020 | Lassen | 57 | 100% |
| Baseball Fire | 2/25/2020 | Glenn and Mendocino | 211 | 100% |
| Grizzly Fire | 3/2/2020 | Glenn | 154 | 100% |
| Mann Fire | 3/3/2020 | Riverside | 180 | 100% |
| Baker Fire | 3/3/2020 | Yuba | | 100% |
| South Main Fire | 3/6/2020 | Riverside | 20 | 100% |
| Carter Fire | 4/4/2020 | Imperial | 275 | 100% |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26



Chapter 3. **Race and Hispanic Origin**

White Non-Hispanic Population, 2000

Non-Hispanic Whites as a percentage of total population

90.0 to 99.6
69.1 to 89.9
40.0 to 69.0
20.0 to 39.9
10.0 to 19.9
3.0 to 9.9
0.2 to 2.9



Pacific Islander Population, 2000

Pacific Islanders as a percentage of total population

40.0 to 48.3
20.0 to 39.9
10.0 to 19.9
3.0 to 9.9
0.1 to 2.9
Less than 0.1

# 2. COLLECTED DATA

## 2015 Wildfires

| Name of Fire | Longatude / Laditiude / Address | Duration of Fire (days) | Acres Burned | Structure Damage | Containment |
|---|---|---|---|---|---|
| Round Fire | Westside of Highway 395 at the Sherwin Grade, CA | 5 | 7,000 | 40 | 100 |
| Van Dyke Fire | Point Ranch Rd, Bridgeport, CA 93517 | 14 | 509 | 0 | 100 |
| Stephens Fire | 41.485, -121.851 | 7 | 200 | 0 | 100 |
| Ward Fire | 40.050833333333, -120.70166666667 | 5 | 137 | 0 | 100 |
| Highway Fire | 33.884313, -117.642759 | 5 | 1,049 | 0 | 100 |
| Forebay Fire | 37.08312, -121.06963 | 1 | 275 | 0 | 100 |
| Christensen Fire | Christensen Rd, California 93907 | 1 | 242 | 0 | 100 |
| Harrison Fire | Thermal California 92274 | 4 | 80 | 0 | 100 |
| Snow Fire | CA-111 & Snowcreek Canyon Rd, Palm Springs, CA 92282 | 1 | 25 | 0 | 100 |
| FKU Lighning Fires | Auberry, California | 1 | 45 | 0 | 100 |
| Oasis Fire | State Hwy 20, Colusa, CA | 1 | 25 | 0 | 100 |
| Site Fire | Corral Hollow Rd Tracy, CA | 1 | 300 | 0 | 100 |
| Fox Fire | Foxfield Ln & Lookout Mountain Rd California 95338 | 1 | 25 | 0 | 100 |
| Riosa Fire | Riosa Rd & Thousand Oaks Dr California 95648 | 1 | 110 | 0 | 100 |
| Garage Fire | Howell Mountain Rd & Chiles Pope Valley Rd California 945 | 1 | 36 | 0 | 100 |
| Bald Fire | Bald Hills Rd, Hoopa, CA | 1 | 20 | 0 | 100 |
| Saddle Fire | 40.924, -123.168 | 19 | 1,542 | 0 | 100 |
| Pass Fire | 35.77937, -120.19482 | 1 | 67 | 0 | 100 |
| Chiles Fire | 38.5287, -122.3415 | 1 | 38 | 0 | 100 |
| North Fire | 38.260777, -121.135426 | 1 | 60 | 7 | 100 |
| Fork Fire | 40.0133, -122.552 | 1 | 55 | 0 | 100 |
| Lake Fire | 34.1602777777778, -116.89277777778 | 46 | 31,359 | 0 | 100 |
| Wildcat Fire | 32.9421, -116.8534 | 2 | 171 | 0 | 100 |
| Triangle Fire | Triangle Rd & Nickel Plate Rd California 95338 | 1 | 60 | 0 | 100 |
| Cook Fire | 39.2688, -121.26471 | 3 | 158 | 0 | 100 |
| Collier Fire | N Jack Tone Rd & Collier Rd E California 95632 | 1 | 122 | 0 | 100 |
| Grapefruit Fire | Grapefruit Blvd Coachella, CA | 4 | 60 | 0 | 100 |
| Sky Fire | Vacaville California | 1 | 500 | 0 | 100 |
| Corrine Fire | 37.165767, -119.523943 | 6 | 920 | 3 | 100 |
| Dixie Fire | 40.875667, -121.033667 | 1 | 60 | 0 | 100 |
| Washington Fire | 38.598056, -119.751944 | 3 | 90736 | 0 | 100 |
| Park Hill Fire | Parkhill Rd & Las Pilitas Rd California 93453 | 4 | 1,791 | 23 | 100 |
| Red Fire | 37.072561, -119.6958 | 2 | 135 | 0 | 100 |
| River Fire | Acacia Rd Santa Paula, CA 93060 | 3 | 164 | 0 | 100 |
| Calgrove Fire | 34.361007, -118.535793 | 2 | 415 | 0 | 100 |
| Loma Fire | 37.974123, -121.833751 | 1 | 533 | 0 | 100 |
| Tesla Fire | Tesla Rd, Livermore, CA 94550 | 1 | 53 | 0 | 100 |
| Sterling Fire | 34.165974, -117.243878 | 4 | 100 | 0 | 100 |
| Otay Fire | 32.6449163, -116.9454387 | 1 | 80 | 0 | 100 |
| Pleasure Fire | 38.519132, -122.181878 | 1 | 19 | 0 | 100 |
| Colvelo Fire | 39.7806004, -123.248214 | 1 | 35 | 0 | 100 |
| Mesa Fire | Burton Mesa Blvd Lompoc, CA 93436 | 1 | 211 | 0 | 100 |
| Highway Fire | Monterey Frontage Rd Gilroy, CA 95020 | 3 | 42 | 0 | 100 |
| Shinn Fire | Shinn Mountain, Mountain peak CA | 3 | 111 | 0 | 100 |
| Webb Fire | La Porte Rd Bangor, CA | 1 | 75 | 0 | 100 |
| Merwin Fire | Merwin St Moreno Valley, CA 92555 | 3 | 150 | 0 | 100 |
| Ione Fire | Sutter Ione Rd California | 1 | 355 | 0 | 100 |
| Geary Fire | Geary Rd Sunol, CA | 1 | 45 | 0 | 100 |
| Buckaroo Fire | Bucks Bar Rd & Buckaroo Trail California 95667 | 3 | 25 | 0 | 100 |
| Ranch Fire | French Creek Rd Shingle Springs, CA 95682 | 2 | 35 | 0 | 100 |
| Soda Fire | 390263, -123.303 | 1 | 23 | 0 | 100 |
| Black Fire | 39.8448, -122.3638 | 1 | 170 | 0 | 100 |
| Sky Fire | 38.4113, -122.0789 | 2 | 150 | 0 | 100 |
| Keswick Fire | 40.5953, -122.4397 | 1 | 18 | 0 | 100 |
| Mason Fire | Mason Reservoir California 96134 | 3 | 43 | 0 | 100 |
| Deer Fire | 35.7183, -121.0157 | 4 | 95 | 0 | 100 |
| Ascot Fire | 38.1029, -122.1578 | 1 | 40 | 0 | 100 |
| Spider Fire | 33.986204, -117.43942 | 1 | 21 | 0 | 100 |
| Mill 2 Fire | 34.0783472, -117.0487863 | 8 | 54 | 0 | 100 |
| 241 Fire | 33.7626, -117.7274 | 2 | 214 | 0 | 100 |
| Cooley Fire | 41.8048, -122.5029 | 1 | 181 | 0 | 100 |
| Lake Fire | 33.21407, -116.73472 | 1 | 25 | 0 | 100 |
| Adventure Fire | Placerville California 95667 | 1 | 100 | 0 | 100 |
| North Fire | 34.339, -117.478 | 3 | 4,250 | 72 | 100 |
| Pines Fire | 34.367, -117.683 | 18 | 200 | 0 | 100 |
| Kerkhoff Fire | Fresno California | 4 | 60 | 0 | 100 |
| McCabe Fire | 37.115265, -121.023039 | 2 | 1,333 | 0 | 100 |
| Cabin Fire | 36.24, -118.54 | 47 | 6,980 | 5 | 100 |
| Betabel Fire | 36.8727, -121.5681 | 1 | 25 | 0 | 100 |
| Triple Fire | 36.085212, -118.824235 | 4 | 430 | 0 | 100 |
| Dorris Fire | 41.999341, -121.891226 | 1 | 24 | 0 | 100 |
| Wragg Fire | 38.4994, -122.1145 | 14 | 8,051 | 7 | 100 |
| Baxter Fire | 38.9361, -121.1548 | 1 | 26 | 0 | 100 |
| Kyburz Fire | 38.776, -120.404 | 6 | 75 | 0 | 100 |
| 3-11 Fire | 41.29226, -121.172117 | 3 | 116 | 0 | 100 |
| 3-12 Fire | 40.856422, -121.101623 | 2 | 77 | 0 | 100 |
| Park Fire | 32.682547, -116.51684 | 1 | 25 | 0 | 100 |
| Cutca Fire | 33.383889, -116.868611 | 2 | 167 | 0 | 100 |
| Queen Fire | 41.295667, -123.784067 | 7 | 158 | 0 | 100 |
| Wlllow Fire | 37.279722, -119.50014 | 19 | 5,702 | 0 | 100 |
| Lowell Fire | 39.192088, -120.882313 | 18 | 2,304 | 3 | 100 |
| Sullivan Fire | 37.24523, -121.20324 | 1 | 40 | 0 | 100 |
| Buck Fire | 40.1093, -123.774 | 3 | 16 | 0 | 100 |
| Swedes Fire | 39.43963, -121.38794 | 5 | 400 | 16 | 100 |
| Rocky Fire | 38.8863538, -122.4762475 | 16 | 69,438 | 104 | 100 |
| Big Creek Fire | 37.823, -120.156444 | 6 | 204 | 0 | 100 |
| Mallard Fire | 40.509552, -122.199227 | 2 | 75 | 1 | 100 |
| China Fire | 40.415108, -122.439939 | 3 | 212 | 6 | 100 |
| Vasco Fire | 37.81629, -121.68113 | 1 | 195 | 0 | 100 |
| Advance Fire | 36.49845, -118.9009 | 6 | 86 | 0 | 100 |
| Sprig Fire | 40.49865, -122.20109 | 1 | 90 | 0 | 100 |
| Mendocino Lightning Fires | 39.43301, -123.36316 | 4 | 50 | 0 | 100 |
| Mendocino National Forest Lightning Complex | Willows, CA 95988 | 8 | 227 | 0 | 100 |
| South Complex | Hyampom California 96046 | 4 | 29,416 | 0 | 100 |
| Mad River Complex | Mad River, CA 95552 | 2 | 77,081 | 0 | 100 |
| Humboldt Lightning Fires | Alderpoint California 95511 | 20 | 4,883 | 7 | 100 |
| Frog Fire | 41.399, -121.392 | 1 | 4,863 | 0 | 100 |
| Fork Fire | Hayfork, California 96041 | 25 | 36,503 | 0 | 100 |
| River Complex | Daley Ranch Escondido, CA 92027 | 1 | 77,081 | 0 | 100 |
| Rough Fire | 36.874, -118.905 | 101 | 151,623 | 0 | 100 |
| Gasquet Complex | Gasquet California 95543 | 4 | 30,361 | 0 | 100 |
| Creek Fire | Fresno California | 1 | 1,450 | 0 | 100 |
| Scales Fire | 34.3117, 117.4750 | 4 | 65 | 0 | 100 |
| White Fire | 34.9522, -120.2903 | 3 | 52 | 0 | 100 |
| Nickowitz Fire | 41.3009, 123.5418 | 100 | 7,509 | 0 | 100 |
| Fern Fire | 40.67868, -121.932244 | 2 | 75 | 0 | 100 |
| Chorro Fire | 6750 Navigator Dr, Goleta, CA 93117 | 10 | 282 | 0 | 100 |
| Dodge Fire | 40.938, -120.105 | 1 | 10,570 | 0 | 100 |
| Point Fire | 40.3929, -122.40546 | 1 | 59 | 0 | 100 |
| Francis Fire | 39.33303, -121.18735 | 2 | 30 | 0 | 100 |
| 36 Fire | 40.3506868, -121.7786799 | 1 | 110 | 1 | 100 |
| De Luz Fire | 33.4115972, -117.2886249 | 1 | 55 | 0 | 100 |
| Jerusalem Fire | Jerusalem Valley, lake county CA | 15 | 25,118 | 27 | 100 |
| Anza Fire | 33.5736, -116.5387 | 5 | 543 | 0 | 100 |
| Horno Fire | Camp Pendleton North California | 5 | 1,850 | 0 | 100 |
| Mark Fire | 38.052, -120.5577 | 4 | 114 | 0 | 100 |
| Rustic Fire | Rustic Hills Dr Simi Valley, CA 93065 | 2 | 186 | 0 | 100 |
| Walker Fire | Quincy, CA 95971 | 9 | 3676 | 0 | 100 |
| Tulloch Fire | 37.83618, -120.61691 | 1 | 112 | 0 | 100 |
| Lincoln Fire | 1600 Rosemead Blvd, South El Monte, CA 91733 | 4 | 374 | 0 | 100 |
| Warm Fire | 48745 3 Points Rd, Lake Hughes, CA 93532 | 1 | 300 | 0 | 100 |
| Cuesta Fire | 35.3477, -120.6269 | 12 | 2446 | 1 | 100 |
| Horse Fire | 40.1058823, -124.0720419 | 10 | 146 | 0 | 100 |
| Tesla Fire | 37.3845, -121.3732 | 3 | 2700 | 0 | 100 |
| Flat Fire | Woody California 93287 | 1 | 167 | 0 | 100 |
| Prairie Fire | Tennant California 96058 | 2 | 69 | 0 | 100 |
| Peterson Fire | 38.925764, -122.879272 | 4 | 215 | 0 | 100 |
| Summit Fire | 34.23, -116.883 | 19 | 55 | 0 | 100 |
| Grade Fire | 38.831478, -122.53428 | 1 | 22 | 0 | 100 |
| Democrat Fire | 40.724898, -122.96174 | 4 | 128 | 0 | 100 |
| Kramer Fire | 41.12362, -121.194256 | 1 | 30 | 0 | 100 |
| Olive Fire | 26.42, -121 | 1 | 72 | 1 | 100 |
| Elk Fire | 55.23, -122 | 6 | 673 | 0 | 100 |
| Apple Fire | Apple RdWilton, CA 95693 | 1 | 110 | 0 | 100 |
| Tenaya Fire | Yosemite Valley California 95389 | 4 | 415 | 0 | 100 |
| Oak Fire | 38.04684, -120.30188 | 7 | 108 | 3 | 100 |
| Browns Fire | 40, 41.46 | 2 | 35 | 0 | 100 |
| Antelope Fire | Antelope Canyon California 93536 | 6 | 45 | 0 | 100 |
| Center Fire | 40.400196, -120.553075 | 1 | 40 | 0 | 100 |
| Butte Fire | 38.32974, -120.70418 | 36 | 70868 | 921 | 100 |
| Creek Fire | 40.400196, -120.553075 | 2 | 170 | 0 | 100 |
| Pacheco Fire | Dinosaur Point Rd California | 1 | 215 | 0 | 100 |
| Lumpkin Fire | 39.5218, -121.3363 | 6 | 1042 | 0 | 100 |
| Walker Fire | 40.47512, -122.52541 | 1 | 109 | 0 | 100 |
| Valley Fire | Lake County California | 33 | 76067 | 1955 | 100 |
| Tassajara Fire | 36.3699644, -121.589554 | 8 | 1086 | 21 | 100 |
| Laureles Fire | 36.5696373, -121.7556029 | 2 | 95 | 0 | 100 |
| McCourtney Fire | 39.081, -121.194 | 1 | 30 | 0 | 100 |
| Munjar Fire | 39.8707, -121.8938 | 1 | 104 | 0 | 100 |
| Meridian Fire | Butte Valley California 95965 | 1 | 860 | 0 | 100 |
| King Fire | Old Control Rd California | 4 | 36 | 0 | 100 |
| Military Fire | Military Pass Road California | 1 | 58 | 0 | 100 |
| Cienega Fire | 36.70854, -121.32734 | 4 | 670 | 0 | 100 |
| Gibraltar Fire | 34.4828, -119.63216 | 11 | 21 | 0 | 100 |
| Potrero Fire | 34.15, -118.879444 | 1 | 50 | 0 | 100 |
| Banister Fire | N Wood Ranch Pkwy Simi Valley, CA 93065 | 1 | 29 | 0 | 100 |
| Solimar Fire | 34.31953, -119.34512 | 4 | 1388 | 0 | 100 |

| 2020 Wildfires | | | | | |
|---|---|---|---|---|---|
| Name of Fire | Place | Duration of Fire (days) | Acres Burned | Structure Damage | Contained Percentage |
| Bear Fire | 40.511092, -123.6378411 | 1 | 15 | 0 | 100 |
| Antelope Fire | 39.6923001, -120.3291855 | 3 | 102 | 0 | 100 |
| Beegum Fire | 40.33583333, -122.84722222 | 1 | 75 | 0 | 100 |
| Wood Fire | 40.62155, -120.49392 | 1 | 57 | 0 | 100 |
| Baseball Fire | 39.75638899, -122.94111111 | 6 | 211 | 0 | 100 |
| Grizzly Fire | [39.774968, -122.384532 | 3 | 154 | 0 | 100 |
| Mann Fire | 33.96957, -117.51793 | 3 | 180 | 0 | 100 |
| Baker Fire | 39.45493, -121.12381 | 15 | 165 | 0 | 100 |
| South Main Fire | 33.65263, -117.40906 | 3 | 20 | 0 | 100 |
| Carter Fire | 32.93432, -115.5865 | 8 | 275 | 0 | 100 |
| Red Fire | 40.09554, -122.43905 | 1 | 26 | 0 | 100 |
| Bar Fire | 40.63442, -122.97693 | 6 | 55 | 0 | 100 |
| Byron Fire | 37.82066, -121.595225 | 1 | 47 | 0 | 100 |
| Interstate 5 Fire | 36.075003, -120.106407 | 1 | 2060 | 0 | 100 |
| Hollister Fire | 34.47438, -120.29379 | 2 | 156 | 0 | 100 |
| Candy Fire | 39.42208, -121.47273 | 1 | 17 | 0 | 100 |
| Gilman Fire | 33.861054, -117.024114 | 1 | 20 | 0 | 100 |
| Acres Fire | 37.11715, -119.982359 | 1 | 152 | 0 | 100 |
| Spanish Fire | 38.697834, -122.403634 | 1 | 20 | 0 | 100 |
| Range Fire | 35.34237, -120.70524 | 1 | 5000 | 0 | 100 |
| Harley Fire | 33.83167, -117.34934 | 1 | 60 | 0 | 100 |
| Creek Fire | 19450 Marsh Creek Rd, Brentwood, CA 94513 | 1 | 60 | 0 | 100 |
| Scorpion Fire | 34.01389, -119.74577 | 2 | 1395 | 0 | 100 |
| Acres Fire | 37.11806, -119.93221 | 1 | 237 | 0 | 100 |
| Amoruso Fire | 38.824371, -121.390862 | 1 | 650 | 0 | 100 |
| Nash Fire | 39.1296, -123.48018 | 1 | 10 | 0 | 100 |
| Horn Fire | 40.809323, -120.288882 | 1 | 37 | 0 | 100 |
| Smoketree Fire | 33.782532, -116.524014 | 5 | 129 | 0 | 100 |
| Wildlife Fire | 38.232281, -122.042199 | 1 | 300 | 0 | 100 |
| Silver Fire | 37.329163, -121.726223 | 1 | 19 | 0 | 100 |
| Brock Fire | 40.837885, -122.097933 | 1 | 15 | 0 | 100 |
| | | | | | |
| Karchner Fire | 38.98487, -121.340239 | 1 | 39 | 0 | 100 |
| Lakeville Fire | 38.224849, -122.549816 | 1 | 141 | 0 | 100 |
| McGary Fire | 38.196893, -122.156313 | 1 | 79 | 0 | 100 |
| Gulch Fire | 38.216134, -122.536406 | 2 | 107 | 0 | 100 |
| Quail Fire | 38.470809, -122.038208 | 3 | 1837 | 3 | 100 |
| Willow Fire | 37.994368, -122.002811 | 1 | 100 | 0 | 100 |
| Bitterwater Fire | 36.2644, -121.0781 | 1 | 211 | 0 | 100 |
| Hunters Fire | 37.61955, -120.215454 | 3 | 85 | 0 | 100 |
| Sperry Fire | 37.463636, -121.16483 | 1 | 80 | 0 | 100 |
| Grand Fire | 33.638067, -117.37581 | 1 | 27 | 0 | 100 |
| Bradley Fire | 35.94979, -120.81509 | 1 | 230 | 0 | 100 |
| Sierra Fire | 33.82925, -117.46036 | 1 | 100 | 0 | 100 |
| Oak Fire | 33.78275, -116.89655 | 1 | 20 | 0 | 100 |
| Cronan Fire | 38.827755, -120.988571 | 1 | 29 | 0 | 100 |
| Vineyard Fire | 38.89695, -123.21318 | 1 | 151 | 0 | 100 |
| India Fire | 33.37579, -117.47166 | 3 | 1100 | 0 | 100 |
| Elizabeth Fire | 34.29475, -119.17808 | 2 | 289 | 0 | 100 |
| Soda Fire | 35.35146, -120.00521 | 1 | 1672 | 0 | 100 |
| Lime Fire | 34.46182, -118.77347 | 7 | 803 | 0 | 100 |
| Skyline Fire | 32.73044, -116.7862 | 3 | 100 | 0 | 100 |
| Border 7 Fire | 32.580882, -116.690712 | 2 | 9 | 0 | 100 |
| Watt Fire | 38.733421, -121.378879 | 1 | 40 | 0 | 100 |
| Grant Fire | 38.520981, -121.201927 | 5 | 5042 | 1 | 100 |
| Hog Fire | 36.82276, -119.36572 | 26 | 533 | 0 | 100 |
| Cornetts Fire | 37.40827, -120.08522 | 3 | 191 | 0 | 100 |
| Dawson Fire | 33.776033, -117.461925 | 1 | 10 | 0 | 100 |
| Hopland Fire | U.S. 101, Hopland, CA | 1 | 34 | 0 | 100 |
| Drum Fire | 34.63309, -120.28867 | 2 | 696 | 0 | 100 |
| Avila Fire | 35.17977, -120.69959 | 4 | 445 | 0 | 100 |
| Bitter Fire | 36.3011, -120.92925 | 5 | 895 | 0 | 100 |
| Riata Fire | 35.40953, -120.56823 | 1 | 18 | 0 | 100 |
| Walker Fire | 38.07741, -120.72958 | 4 | 1455 | 2 | 100 |
| Nelson Fire | 39.52408, -121.60037 | 1 | 95 | 0 | 100 |
| Liberty Fire | 38.23432, -121.20828 | 1 | 89 | 0 | 100 |
| Gyle Fire | 40.000132, -122.205628 | 1 | 68 | 0 | 100 |
| Ridge Fire | 35.9497, -121.42113 | 5 | 83 | 0 | 100 |
| Baker Fire | 35.27678, -118.6894 | 1 | 165 | 0 | 100 |
| Nelson Fire | 38.89178, -121.33956 | 1 | 110 | 0 | 100 |
| Fork Fire | 36.37085, -118.845123 | 4 | 130 | 0 | 100 |
| Teddy Fire | 39.37577, -121.45372 | 1 | 13 | 0 | 100 |
| Springs Fire | 35.89133, -118.8613 | 3 | 217 | 0 | 100 |
| Honcut Fire | 39.36894, -121.53976 | 1 | 89 | 0 | 100 |
| East Fire | 41.5017, -120.54161 | 1 | 11 | 0 | 100 |
| Quarter Fire | 38.08264, -120.20316 | 16 | 10 | 0 | 100 |
| Hunter Fire | 35.90835, -121.08753 | 4 | 195 | 0 | 100 |
| Stage Fire | 36.69845, -121.57407 | 1 | 52 | 0 | 100 |
| Grade Fire | 36.5537, -119.19677 | 4 | 1050 | 0 | 100 |
| River Fire | 35.62906, -120.68326 | 1 | 15 | 0 | 100 |
| Rico Fire | 35.9789, -120.87858 | 1 | 338 | 0 | 100 |
| Sycamore Fire | 36.97511, -119.33439 | 3 | 19 | 0 | 100 |
| R-2 Fire | 40.43203, -120.28147 | 3 | 563 | 0 | 100 |
| R-3 Fire | 40.44793, -120.04635 | 2 | 210 | 0 | 100 |
| 58 Fire | 33.27665, -115.96594 | 3 | 12 | 0 | 100 |
| Diablo Fire | 37.46265, -121.18355 | 1 | 202 | 0 | 100 |
| Bend Fire | 35.30742, -119.88048 | 3 | 263 | 0 | 100 |
| Aurora Fire | 38.22554, -119.00289 | 6 | 280 | 0 | 100 |
| Indian Fire | 33.565093, -116.750925 | 2 | 59 | 0 | 100 |
| Poeville Fire | 39.32596, -119.81098 | 9 | 2975 | 10 | 100 |
| Pass Fire | 37.06641, -121.21912 | 5 | 2192 | 0 | 100 |
| Gage Fire | 35.69993, -120.96759 | 5 | 33 | 0 | 100 |
| Muck Fire | 41.0336731, -121.2199939 | 1 | 12 | 0 | 100 |
| Avacado Fire | 39.3784, -121.4319 | 3 | 136 | 0 | 100 |
| Flat Fire | 40.791509, -123.437051 | 24 | 62 | 0 | 100 |
| Bena Fire | 35.310132, -118.702732 | 2 | 2900 | 0 | 100 |
| Rowher Fire | 34.542742, -118.324601 | 4 | 648 | 0 | 100 |
| Bonadelle Fire | 36.9678542, -119.9252132 | 1 | 597 | 0 | 100 |
| | | | | | |
| Soda Fire | 35.393889, -120.053275 | 2 | 157 | 0 | 100 |
| Mount R Fire | 34.182436, -117.124353 | 3 | 62 | 0 | 100 |
| Sheridan Fire | 37.536015, -121.876277 | 1 | 108 | 0 | 100 |
| Lake Fire | 35.351065, -120.00485 | 1 | 588 | 0 | 100 |
| Park Fire | 37.166733, -121.567505 | 1 | 343 | 25 | 100 |
| Cotton Fire | 37.091637, -121.086625 | 1 | 100 | 0 | 100 |
| Kings Fire | 36.750186, -119.116536 | 2 | 67 | 0 | 100 |
| Crews Fire | 37.034839, -121.501532 | 8 | 5513 | 1 | 100 |
| Soledad Fire | 34.467915, -118.328877 | 5 | 1525 | 4795 | 100 |
| California Fire | 38.02996, -122.25471 | 2 | 298 | 0 | 100 |
| Patterson Fire | 37.71984, -121.53524 | 1 | 150 | 0 | 100 |
| Mountain Meadow Fire | 38.21614, -122.12447 | 3 | 75 | 0 | 100 |
| Brandon Fire | 38.58488, -120.941267 | 1 | 32 | 0 | 100 |
| Nail Fire | 39.35498, -122.65813 | 2 | 25 | 0 | 100 |
| Tripp Fire | 33.551838, -116.7464168 | 1 | 10 | 0 | 100 |
| Alum Fire | 37.37731, -121.79349 | 1 | 31 | 0 | 100 |
| Power Fire | 37.1487, -119.50307 | 4 | 108 | 2 | 100 |
| Elliot Fire | 33.623968, -117.108421 | 1 | 2 | 0 | 100 |
| Robinson Fire | 39.43227, -121.37994 | 2 | 33 | 0 | 100 |
| Casino Fire | 33.48429, -116.83552 | 2 | 91 | 0 | 100 |
| Mineral Fire | 36.09493, -120.52193 | 13 | 29667 | 7 | 100 |
| Coyote Fire | 36.653, -121.04401 | 3 | 1508 | 0 | 100 |
| Ben Fire | 37.42319, -119.95807 | 3 | 48 | 0 | 100 |
| Valley Fire | 39.10112, -121.33589 | 1 | 500 | 0 | 100 |
| Hollow Fire | 37.64044, -121.59374 | 3 | 253 | 0 | 100 |
| Pitzer Fire | 34.39464, -116.97557 | 3 | 119 | 0 | 100 |
| Badger Fire | 41.79319, -122.69296 | 10 | 557 | 0 | 100 |
| Hog Fire | 40.420886, -120.86375 | 30 | 9564 | 2 | 100 |
| Platina Fire | 40.462621, -122.792645 | 8 | 340 | 0 | 100 |
| Gold Fire | 41.11037, -120.923293 | 23 | 22634 | 18 | 100 |
| Milepost 21 Fire | 41.1849445, -123.6986222 | 29 | 100 | 0 | 100 |
| Feather Fire | 39.506597, -121.604579 | 1 | 30 | 3 | 100 |
| Holland Fire | 37.977309, -121.620238 | 1 | 75 | 0 | 100 |

| Fire | Coordinates | | | | |
|---|---|---|---|---|---|
| Easton Fire | 34.135626, -117.192142 | 1 | 71 | 0 | 100 |
| Rabbit Fire | 37.118075, -119.932391 | 1 | 135 | 0 | 100 |
| Iris Fire | 37.518879, -118.711135 | 22 | 120 | 0 | 100 |
| July Complex | 41.699, -121.477 | 20 | 83261 | 0 | 100 |
| Jack Fire | 33.93327, -117.033124 | 1 | 145 | 0 | 100 |
| Hill Fire | 39.013591, -122.359663 | 1 | 138 | 0 | 100 |
| Karen Fire | 34.028116, -117.429598 | 3 | 250 | 0 | 100 |
| Ione Fire | 38.420382, -121.044895 | 1 | 51 | 0 | 100 |
| Cottonwood Fire | 37.083806, -121.101634 | 3 | 788 | 0 | 100 |
| Ridge Fire | 34.75844, -118.72004 | 3 | 321 | 0 | 100 |
| Lincoln Fire | 40.78804, -124.19954 | 4 | 25 | 0 | 100 |
| Border 11 Fire | 32.62212, -116.77048 | 1 | 100 | 0 | 100 |
| Branch Fire | 35.35146, -120.00521 | 4 | 3022 | 0 | 100 |
| Brook Fire | 34.25143, -117.45479 | 3 | 185 | 0 | 100 |
| Clay Fire | 38.40329, -121.17197 | 1 | 730 | 0 | 100 |
| Rabbit Fire | 33.934137, -117.034461 | 1 | 104 | 0 | 100 |
| Dam Fire | 34.17363, -117.889503 | 14 | 220 | 0 | 100 |
| Sheep Fire | 35.14357, -118.7933 | 1 | 233 | 0 | 100 |
| Apple Fire | 33.99139, -116.9617 | 89 | 33424 | 4 | 95 |
| Cowhead Fire | 41.52261, -120.17183 | 17 | 35371 | 0 | 100 |
| Stump Fire | 40.34659, -121.6415 | 16 | 684 | 0 | 97 |
| Castaic Fire | 34.51853, -118.59699 | 12 | 178 | 0 | 75 |
| Pond Fire | 35.43128, -120.47346 | 8 | 1962 | 2 | 99 |
| Sophia Fire | 38.686478, -121.103299 | 1 | 36 | 0 | 100 |
| Water Fire | 33.924086, -116.641846 | 2 | 52 | 0 | 100 |
| North Fire | 40.36764, -120.44811 | 8 | 6882 | 0 | 100 |
| Sites Fire | 39.31313, -122.48525 | 2 | 560 | 0 | 100 |
| Post Fire | 34.04447, -118.21608 | 2 | 120 | 0 | 100 |
| Beale Fire | 39.11307, -121.38178 | 1 | 600 | 0 | 100 |
| Elsmere Fire | 34.3428, -118.49731 | 3 | 200 | 0 | 100 |
| Stagecoach Fire | 35.43044, -118.53361 | 15 | 7760 | 0 | 100 |
| 166 Fire | 34.93442, -119.5795 | 14 | 7760 | 0 | 100 |
| Trimmer Fire | 36.90933, -119.2439 | 9 | 594 | 0 | 99 |

| Fire | Coordinates | | | | |
|---|---|---|---|---|---|
| Pass Fire | 35.61521, -120.40457 | 1 | 280 | 0 | 100 |
| Fort Fire | 34.93929, -118.92967 | 1 | 277 | 0 | 100 |
| Texas Fire | -118.46115, -118.46115 | 9 | 210 | 0 | 95 |
| Mina Fire | 39.82454, -123.262437 | 2 | 177 | 1 | 100 |
| Duluth Fire | 38.81111, -121.318472 | 1 | 65 | 0 | 100 |
| R-1 Fire | 40.590714, -120.549595 | 1 | 285 | 0 | 100 |
| Soda Fire | 34.962524, -119.444977 | 1 | 424 | 0 | 100 |
| Lake Fire | 34.679, -118.452 | 46 | 31089 | 0 | 100 |
| Carrizo Fire | 35.308259, -119987565 | 1 | 183 | 0 | 100 |
| Ranch 2 Fire | 34.160265, -117910498 | 24 | 4237 | 0 | 100 |
| Meiss Fire | 38.474502, -121.172572 | 1 | 512 | 0 | 100 |
| Feather Fire | 39.716713, -120.889438 | 40 | 500 | 0 | 100 |
| Clark Fire | 39.647686, -121.633994 | 1 | 110 | 0 | 100 |
| Loyalton Fire | 39.702438, -120.143473 | 12 | 47029 | 0 | 100 |
| Whale Fire | 35.472114, -120.856731 | 4 | 312 | 0 | 100 |
| Hills Fire | 36.09876, -120.427342 | 74 | 2121 | 0 | 100 |
| CZU Lightning Complex | 37.17162, -122.22275 | 37 | 86509 | 1630 | 100 |
| 3-2 Fire | 35.519723, -120.801074 | 1 | 20 | 0 | 100 |
| Elk Fire | 39.52452, -122.427358 | 1 | 727 | 0 | 100 |
| River Fire | 36.60239, -121.62161 | 73 | 48088 | 43 | 100 |
| August Complex | 39.776, -122.673 | 18 | 1032649 | 60 | 93 |
| LNU Lightning Complex | 38.48193, -122.14864 | 45 | 363220 | 0 | 100 |
| Jones Fire | 39.29241, -121.100352 | 11 | 705 | 24 | 100 |
| Beach Fire | 37.919382, -119.010655 | 11 | 3780 | 0 | 100 |
| 4-8 Fire | 39.555943, -122.5012461 | 2 | 275 | 0 | 100 |
| Holser Fire | 34.438759, -118.758965 | 20 | 3000 | 0 | 100 |
| Murphy Fire | 38.840068, -120.876546 | 1 | 14 | 0 | 100 |
| SCU Lightning Complex | 37.439437, -121.30435 | 44 | 396624 | 258 | 100 |
| Red Salmon Complex | 41.168, -123.407 | 12+ | 144139 | 0 | 78 |
| Blue Jay Fire | 37.84463, -119.60581 | 12+ | 6915 | 0 | 50 |
| Bell Fire | 38.183, -119.869 | 12+ | 50 | 0 | 50 |
| Carmel Fire | 36.4463, -121.68181 | 71 | 6905 | 80 | 100 |
| Woodward Fire | 38.018089, -122.836701 | 44 | 4929 | 0 | 100 |

| Fire | Coordinates | | | | |
|---|---|---|---|---|---|
| 3-19 Fire | 39.276, -123.013667 | 3 | 62 | 1 | 100 |
| Salt Fire | 38.027921, -120.763258 | 6 | 1789 | 0 | 100 |
| Creek Fire | 39.8174372, -123.2111007 | 3 | 820 | 2 | 100 |
| North Complex Fire | 39.69072, -121.22718 | 12+ | 318935 | 0 | 96 |
| Butte/Tehama/Glenn Lightning Complex | 40.09571, -122.4393 | 51 | 19609 | 15 | 100 |
| Dolan Fire | 36.123, -121.602 | 72+ | 124924 | 0 | 98 |
| Flint Fire | 38.03106, -120.85258 | 1 | 55 | 0 | 100 |
| Moc Fire | 37.813779, -120.312565 | 10 | 2857 | 2 | 100 |
| Volcano Fire | 33.454896, -117.328234 | 2 | 45 | 0 | 100 |
| Coyote Fire | 37.18725, -121.68465 | 5 | 143 | 0 | 100 |
| SQF Complex Fire | 36.14549, -118.47953 | 68+ | 170071 | 0 | 75 |
| Moraine Fire | 36.718, -118.557 | 68+ | 988 | 0 | 70 |
| Sheep Fire | 40.274, -120.757 | 17 | 29570 | 26 | 100 |
| W-5 Cold Springs | 41.028611, -120.281389 | 23 | 84817 | 0 | 100 |
| Placer Fire | 35.4335197, -120.1243296 | 12 | 53 | 0 | 100 |
| R-8 Pinecone Fire | 40.773, -120.536 | 5 | 567 | 0 | 100 |
| Perry Fire | 38.8825, -121.10411 | 1 | 9 | 0 | 100 |
| Johnson Fire | 34.65979, -118.36411 | 2 | 290 | 0 | 100 |
| Hensley Fire | 37.08053, -119.88673 | 1 | 688 | 0 | 100 |
| Hobo Fire | 40.82126, -123.12461 | 9 | 413 | 0 | 100 |
| Slink Fire | 38.568, -119.568 | 58+ | 26759 | 0 | 90 |
| Catholic Fire | 39.012743, -122.637037 | 1 | 13 | 0 | 100 |
| Rattlesnake Fire | 36.42, -118.448 | 56+ | 7241 | 0 | 40 |
| Creek Fire | 37.19147, -119.261175 | 55+ | 379571 | 927 | 70 |
| El Dorado Fire | 34.08056, -116.98669 | 53+ | 22744 | 24 | 95 |
| Valley Fire | 32.765615, -116.692705 | 19 | 16390 | 0 | 100 |
| Bobcat Fire | 34.244649, -117.964838 | 50+ | 115739 | 0 | 59 |
| Oak Fire | 39.4935, -123.3965 | 7 | 1100 | 57 | 100 |
| Slater Fire | 41.86889, -123.44963 | 41+ | 156832 | 0 | 85 |
| Fork Fire | 38.99, -120.394 | 51+ | 1673 | 0 | 85 |
| Sperry Fire | 37.46377, -121.18018 | 1 | 45 | 0 | 100 |
| Willow Fire | 39.3637, -121.32361 | 5 | 1311 | 951 | 100 |
| Schoolhouse Fire | 41.68229, -122.84057 | 8 | 45 | 0 | 100 |

| Fire | Coordinates | | | | |
|---|---|---|---|---|---|
| Shackleford Fire | 41.575549, -123.021635 | 10 | 50 | 0 | 100 |
| Bullfrog Fire | 37.135474, -119.027309 | 47+ | 1185 | 0 | 60 |
| Fox Fire | 41.211022, -122.847359 | 14 | 2188 | 0 | 100 |
| San Antonio Fire | 34.773809, -120.491594 | 2 | 111 | 0 | 100 |
| Snow Fire | 33.88831, -116.68386 | 19 | 6254 | 0 | 100 |
| Wolf Fire | 37.882, -119.643 | 35+ | 2040 | 0 | 30 |
| Glass Fire | 38.56295, -122.49745 | 23 | 67484 | 1837 | 100 |
| Zogg Fire | 40.53927, -122.56656 | 16 | 56338 | 231 | 100 |
| Martindale Fire | 34.563, -118.4 | 2 | 230 | 0 | 100 |
| Candy Fire | 33.764357, -117.374419 | 1 | 227 | 0 | 100 |
| Copper Fire | 38.49375, -121.003602 | 3 | 48 | 0 | 100 |
| Pony Fire | 38.464074, -121.039236 | 1 | 20 | 0 | 100 |
| Lambert Fire | 38.424016, -121.006635 | 2 | 21 | 0 | 100 |
| Fields Fire | 39.181047, -121.450982 | 1 | 56 | 0 | 100 |
| Irvine Fire | 37.821737, -122.104314 | 1 | 30 | 0 | 100 |
| Diamond Fire | 37.98337, -120.64541 | 2 | 21 | 0 | 100 |
| Bruder Fire | 34.014728, -117.138078 | 1 | 170 | 0 | 100 |
| Coleman Fire | 36.1211, -121.3274 | 11+ | 574 | 0 | 20 |
| Cameron Fire | 38.659387, -120.964726 | 3 | 15 | 0 | 100 |
| Ferry Fire | 39.51694, -121.54475 | 1 | 6 | 0 | 100 |
| Redwood Fire | 40.55823, -123.88658 | 1 | 102 | 0 | 100 |
| Pope Fire | 38.56184, -122.37828 | 2 | 61 | 0 | 100 |
| Point Fire | 40.38869, -122.39033 | 3 | 275 | 0 | 100 |
| Dersch Fire | 40.47646, -122.18102 | 3 | 133 | 0 | 100 |
| Olinda Fire | 40.41486, -122.342 | 1 | 5 | 0 | 100 |
| Silverado Fire | 33.73614, -117.65719 | 2+ | 13390 | 8 | 51 |
| Point Fire | 39.009454, -120.488892 | 3+ | 93 | 0 | 40 |
| Blue Ridge Fire | 33.877257, -117.675067 | 2+ | 14334 | 11 | 39 |
| Cypress Fire | 34.03343, -117.51476 | 2 | 150 | 0 | 100 |
| San Dimas Fire | 34.146195, -117.778561 | 1 | 132 | 0 | 100 |

| counties | Population 2015 | Population 2020 |
|---|---|---|
| Alameda | 1,619,244 | 1,671,329 |
| Alpine | 1,165 | 1129 |
| Amador | 37,302 | 39752 |
| Butte | 224,301 | 219186 |
| Calaveras | 44,881 | 45905 |
| Colusa | 22,312 | 21547 |
| Contra Costa | 1,116,385 | 1153526 |
| Del Norte | 27,089 | 27812 |
| El Dorado | 182,917 | 192843 |
| Fresno | 980,980 | 999101 |
| Glenn | 29,000 | 28393 |
| Humboldt | 134,825 | 135558 |
| Imperial | 184,760 | 181215 |
| Inyo | 18,697 | 18039 |
| Kern | 884,436 | 900202 |
| Kings | 149,813 | 152940 |
| Lake | 65,023 | 64386 |
| Lassen | 30,988 | 30573 |
| Los Angeles | 10,192,374 | 10039107 |
| Madera | 154,982 | 157327 |
| Marin | 261,663 | 258826 |
| Mariposa | 18,097 | 17203 |
| Mendocino | 88,379 | 86749 |
| Merced | 270,156 | 277680 |
| Modoc | 9,566 | 8841 |
| Mono | 13,762 | 14444 |
| Monterey | 435,658 | 434061 |
| Napa | 141,625 | 137744 |
| Nevada | 97,946 | 99755 |
| Orange | 3,165,203 | 3175692 |
| Placer | 371,558 | 398329 |
| Plumas | 19,675 | 18807 |
| Riverside | 2,331,040 | 2470546 |
| Sacramento | 1,489,308 | 1552058 |
| San Benito | 57,572 | 62808 |
| San Bernardino | 2,127,735 | 2180085 |
| San Diego | 3,275,546 | 3338330 |
| San Francisco | 862,470 | 881549 |
| San Joaquin | 728,509 | 762148 |
| San Luis Obispo | 276,142 | 283111 |
| San Mateo | 762,327 | 766573 |
| Santa Barbara | 445,444 | 446499 |
| Santa Clara | 1,915,407 | 1927852 |
| Santa Cruz | 274,594 | 273213 |
| Shasta | 178,795 | 180080 |
| Sierra | 3,166 | 3005 |
| Siskiyou | 44,563 | 43539 |
| Solano | 429,384 | 447643 |
| Sonoma | 500,487 | 494336 |
| Stanislaus | 537,957 | 550660 |
| Sutter | 97,701 | 96971 |
| Tehama | 63,975 | 65084 |
| Trinity | 13,583 | 12285 |
| Tulare | 465,013 | 466195 |
| Tuolumne | 54,511 | 54478 |
| Ventura | 852,964 | 846006 |
| Yolo | 212,747 | 220500 |
| Yuba | 75,621 | 78668 |

**3.**

Title

2015
Wildfires

text

2020
Wildfires

2015
Acres

text

2020
Acres

2015
duration

text

2020
Duration

2015
damage

text

2020 damage

2015 + 2020 Patterns

text

Protection Agencies 2015 + 2020

text

# SKETCHES
## REFINED SKETCHES

# 4.

2015 v 2020
California wildfires


2015 Acres


2020 Acres


2015 duration


2020 duration


2015 Damage


2020 Damage


2015 + 2020 Patterns


Protection Agencies

2015 v 2020
California wildfires


2015 Acres


2020 Acres


2015 duration


2015 Damage


2020 Damage


2015 Population


2020 Population


2015 Acres


2020 Acres


2015 Duration


2020 Duration


2015 + 2020 patterns


Protection Agencies

# 5. COLOR AND TYPE STUDIES
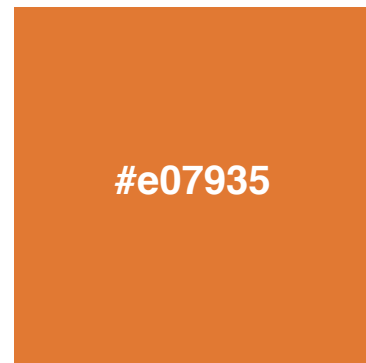
**#e07935**

C: 9 R: 225
M: 63 G: 122
Y: 92 B: 51
K: 0

**#c71e1d**

C: 15 R: 199
M: 100 G: 33
Y: 100 B: 39
K: 5

**#fff335**

C: 4 R: 251
M: 0 G: 238
Y: 86 B: 63
K: 0

**#000000**

C: 0 R: 0
M: 0 G: 0
Y: 0 B: 0
K: 100

**#ffffff**

C: 0 R: 255
M: 0 G: 255
Y: 0 B: 255
K: 0

Califronia Wildfires 2015 v 2020
Hevetica, Light

*Califronia Wildfires 2015 v 2020*
Hevetica, Light Oblique

Califronia Wildfires 2015 v 2020
Hevetica, Regular

*Califronia Wildfires 2015 v 2020*
Hevetica, Oblique

**Califronia Wildfires 2015 v 2020**
Hevetica, Bold

***Califronia Wildfires 2015 v 2020***
Hevetica, Bold Oblique

# COMPOSITION

# 6.

# California Wildfires 2015 v 2020

Brittany Rose · 3 days ago · 2 min read

**California Wildfires 2015**
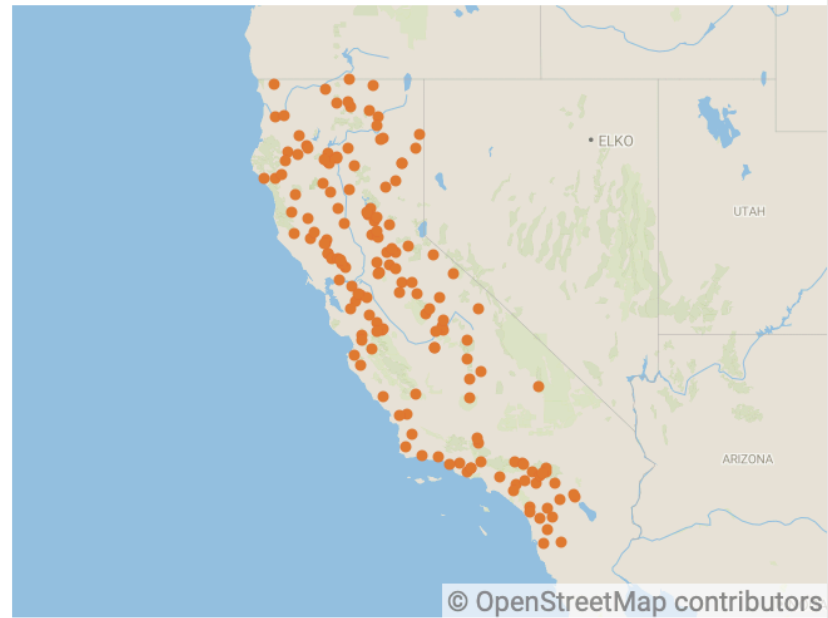


Map: Brittany Rose • Source: CAL FIRE • •
Created with Datawrapper

California has had many wildfires over the years, but they are only getting worse. They are known to be extremely alarming and can do a lot of damage in small amounts of time. Wildfires are spontaneous and unexpected that can occur in rural and urban areas. In California they are known to damage structures and deplete acres and acres of land in a fast manner.

**California Wildfires 2020**
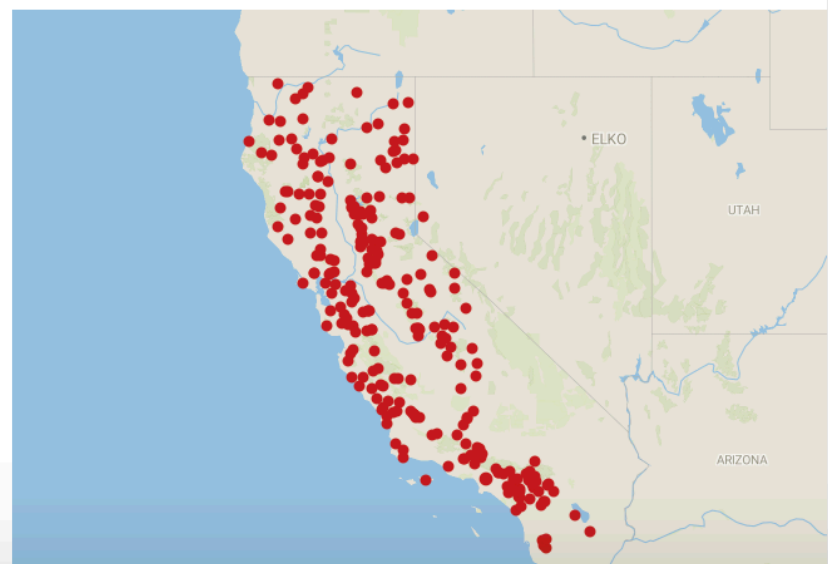


**Acres Burned in 2015**

**Acres Burned**

low    high
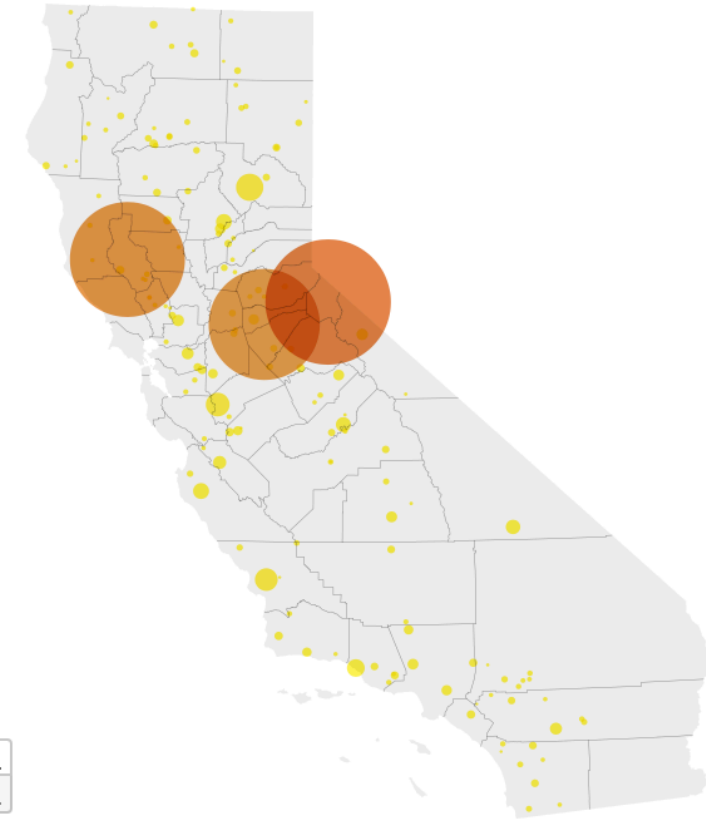


Map: Brittany Rose • Source: CAL FIRE • Get the data •
Created with Datawrapper

From February 2015 to December 2015 there were 55 wildfires that burned 300 acres or more. In total there were 157 wildfires in 2015 across California. From February 2020 to November 2020 there have been 102 wildfires that burned 300 acres or more. In total there were 259 wildfires in 2020 across California. The total of acres burned in 2015 was 867,245 compared to 2020 with 4,141,090 acres.

**Acres Burned in 2020**
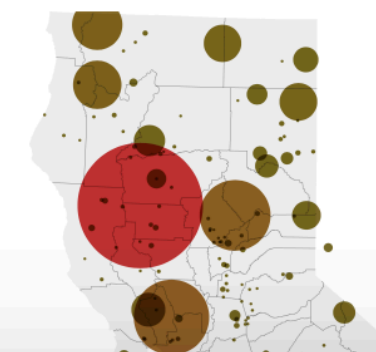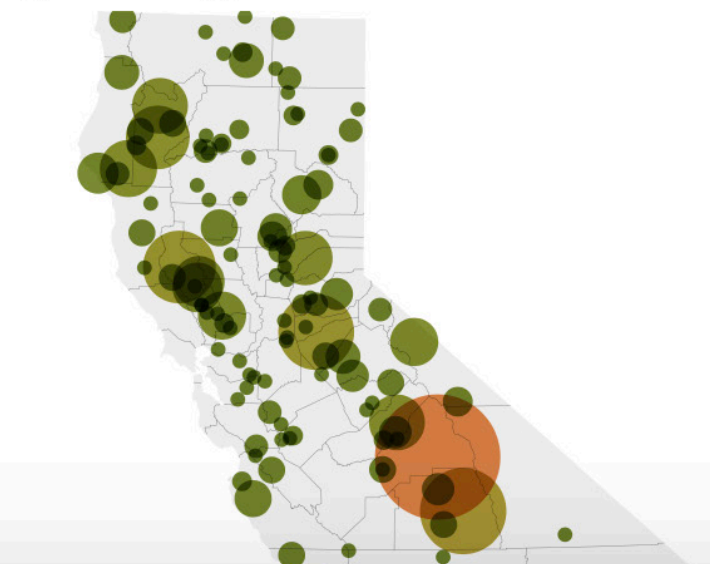
**Acres Burned**

low    high

## Acres Burned in 2020

**Acres Burned**

low ▬▬▬▬▬ high
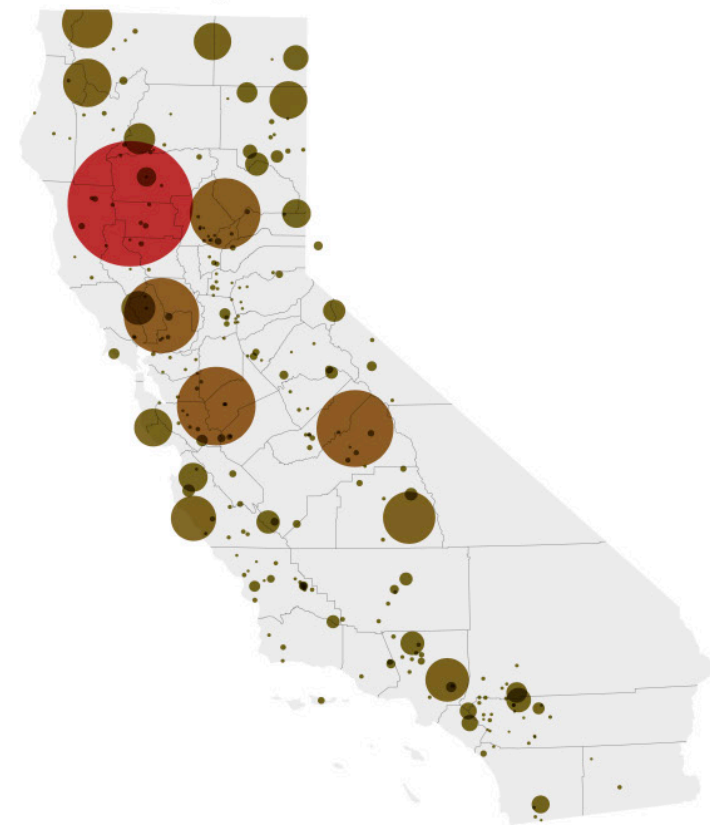


Map: Brittany Rose • Source: CAL FIRE • Get the data •
Created with Datawrapper

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## Duration of Wildfires in 2015

**In Days**

low ▬▬▬▬▬ high
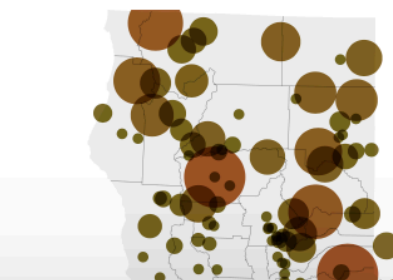


## Duration of Wildfires in 2015

**In Days**

low ▬▬▬▬▬ high
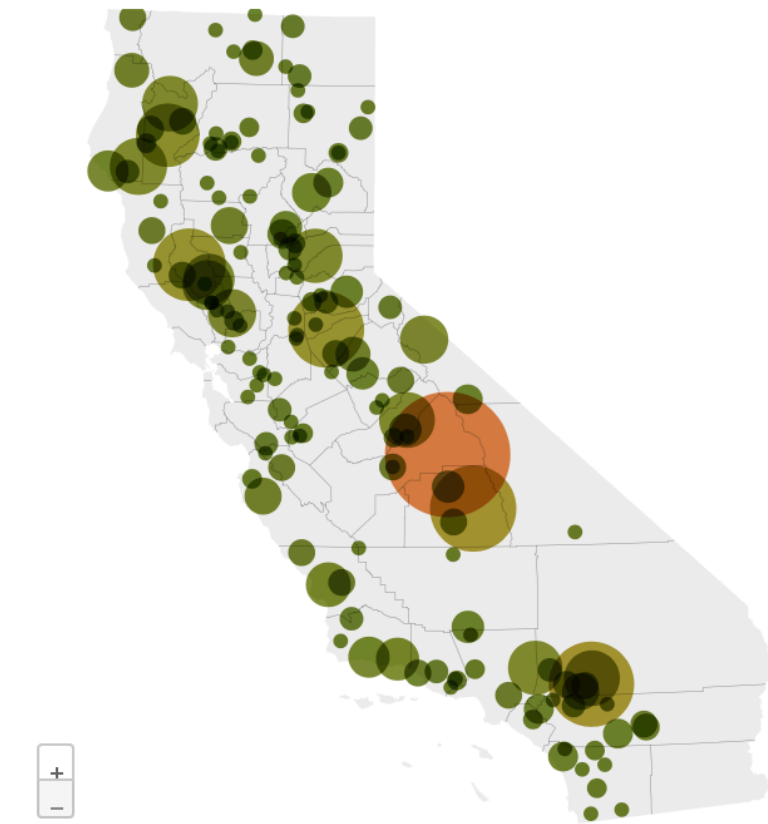


Map: Brittany Rose • Source: CAL FIRE • Get the data •
Created with Datawrapper

Typically, the longer the fire takes to get to 100% containment the more acres burned. To put out each fire it ranged from less than 24 hours to a tad bit over three months. In 2020 the range was from less than 24 hours to a little less than three months. In some cases during both years there were fires that took longer to contain, but did not do as much damage as others. The longer the fire takes to put out, the more danger the residents of the community and fire personnels put themselves in. This can lead to evacuations, deaths and structural damages.

## Duration of Wildfires in 2020

**In Days**

low ▬▬▬▬▬ high

## Duration of Wildfires in 2020

**In Days**

low    high



Map: Brittany Rose • Source: CAL FIRE • Get the data •
Created with Datawrapper

**Damage to Structures from Wildfires in 2015**

— Structure Damage



1,900
1,700
1,500
1,300
1,100
900
700
500
300
100
0

Round Fire  Oasis Fire  North Fire  Sky Fire  Loma Fire  Webb Fire  Sky Fire  241 Fire  Cabin Fire  3-12 Fire  Rocky Fire  Frog Fire  Fern Fire  Anza Fire  Horse Fire  Olive Fire  Butte Fire  Muniar Fire
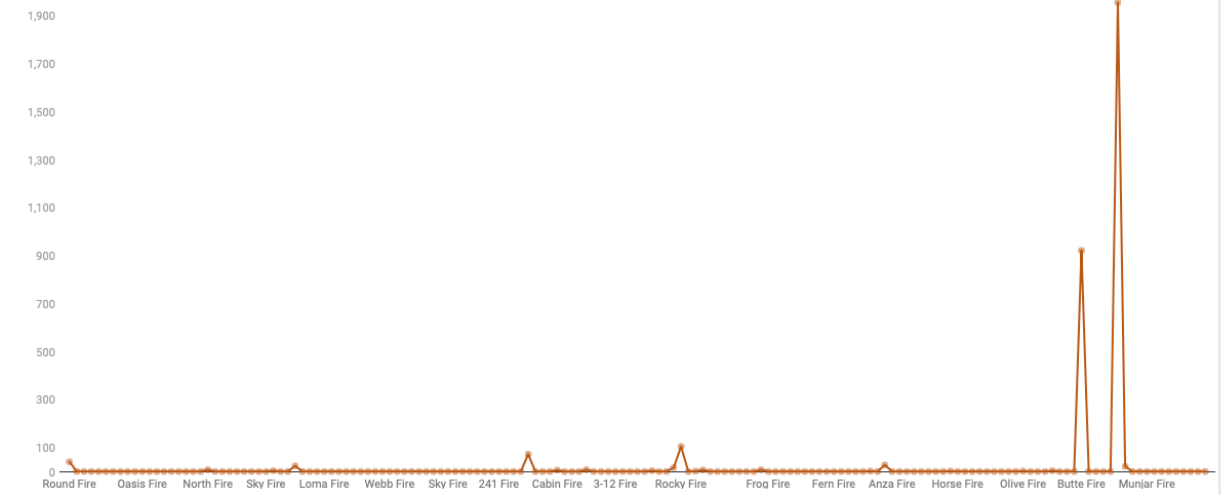
Chart: Brittany Rose • Source: CAL FIRE • Get the data • Created with Datawrapper

The number of structural damages in 2015 and 2020 due to wildfires are vastly different. As seen here, most of the damages to structures happened in the 2020 wildfires. In comparing how many acres were burned in 2015 and the structural damages that occurred it seems as though location is key. If the wildfire took place in a non-residential area the number of structural damages is lower than that of a wildfire coming into contact with a residential area.

**...ctures from Wildfires in 2015**

...age



**Damage to Structures from Wildfires in 2020**

— Structure Damage



4,000
3,000
2,000
1,000
0

Bear Fire  Candy Fire  Silver Fire  Sierra Fire  Drum Fire  East Fire  Indian Fire  Park Fire  Elliot Fire  Holland Fire  Clay Fire  Post Fire  Lake Fire  Jones Fire  Dolan Fire  Hobo Fire  Bullfrog Fire  Cameron Fire
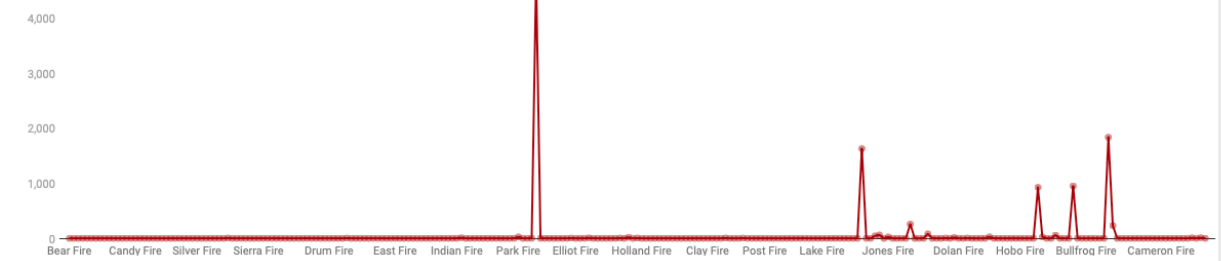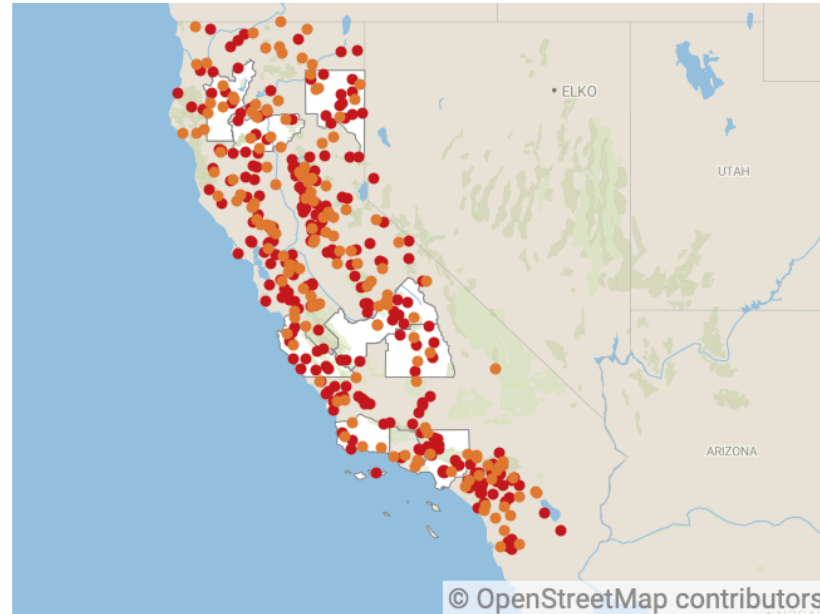
Chart: Brittany Rose • Source: CAL FIRE • Get the data • Created with Datawrapper

**Patterns in 2015 & 2020 Wildfires**

## Patterns in 2015 & 2020 Wildfires

● 2015 Wildfires  ● 2020 Wildfires



Map: Brittany Rose • Source: CAL FIRE • Get the data •
Created with Datawrapper

When comparing the locations of the wildfires in 2015 and 2020 there
are some key counties that overlap such as Fresno, Trinity, and Los
Angeles.

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## Wildfire Protection Agencies in California



Map: Brittany Rose •

## Wildfire Protection Agencies in California



Map: Brittany Rose •
Source: California Department of Forestry and Fire Protection •
Get the data • Created with Datawrapper

In conclusion, wildfires are extremely detrimental in the United States,
especially in California. As seen above, there are multiple agencies in
California to help prevent these wildfires since they are prone to them.

# FINAL DESIGN

**CLICK [HERE](here)**

# 7.