



2018 SUMMER SUMMARY

CAL FIRE

Predictive Services Sacramento

Summer 2018

CAL FIRE 2018 SUMMER SUMMARY

- 2017-2018 Winter
- Summer 2018 Outlook
- 2018 Notable Events



YEARS OF DROUGHT

- Tree mortality will still be an issue in 2018 and beyond
- It takes about three years for a tree to die.



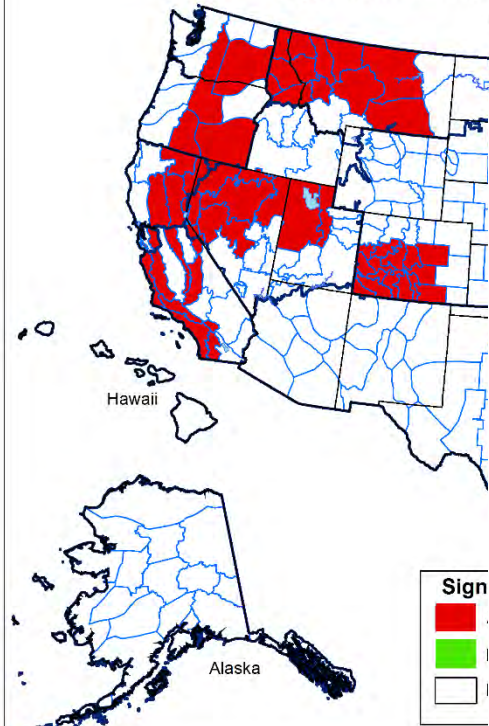
High " dead to live fuels " ratio

HEAVY FUEL LOADING

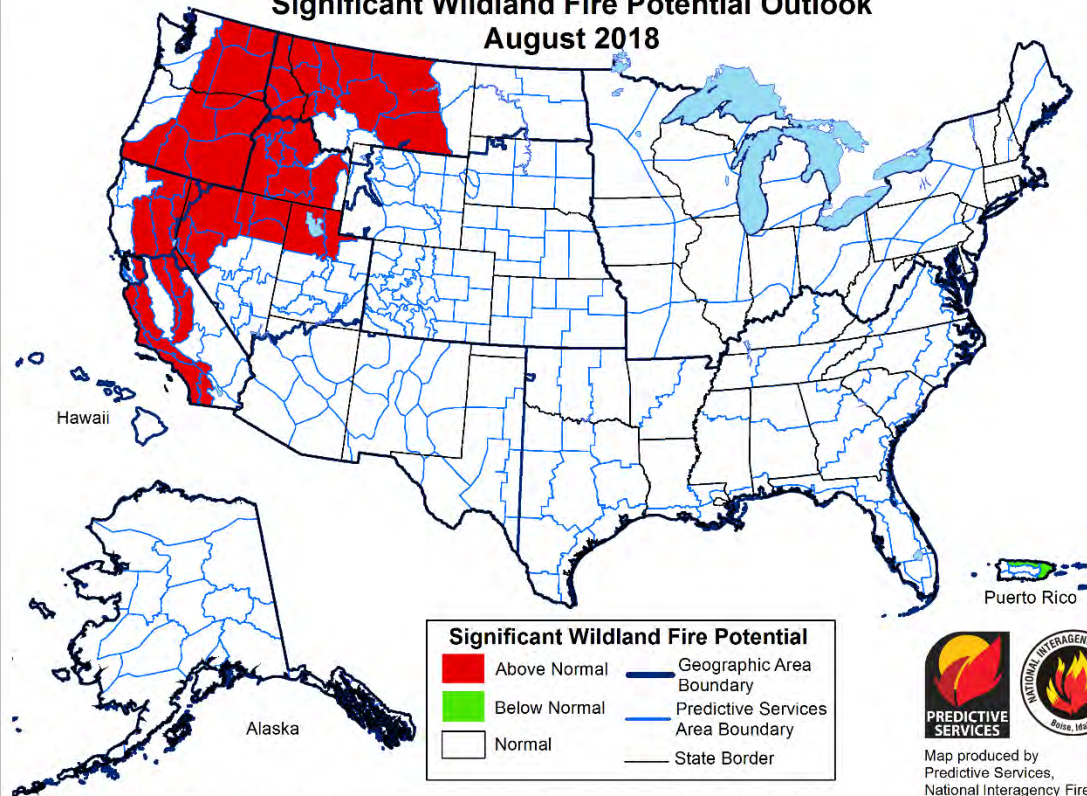


2018 SEASONAL OUTLOOK

**Significant Wildland Fire Potential Outlook
July 2018**



**Significant Wildland Fire Potential Outlook
August 2018**



Above normal significant wildland fire potential indicates a greater than usual likelihood that significant wildland fires will occur. Significant wildland fires should be expected at typical times and intervals during normal significant wildland fire potential conditions. Significant wildland fires are still possible but less likely than usual during forecasted below normal periods.

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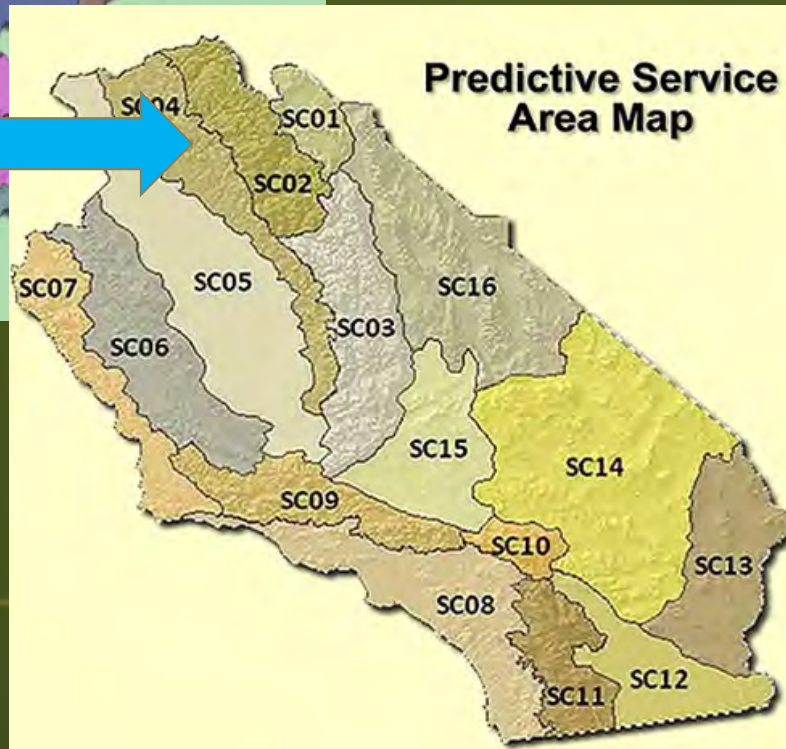
Map produced by
Predictive Services,
National Interagency Fire Center
Boise, Idaho
Issued May 1, 2018
Next issuance June 1, 2018

2018 NOTABLE EVENTS

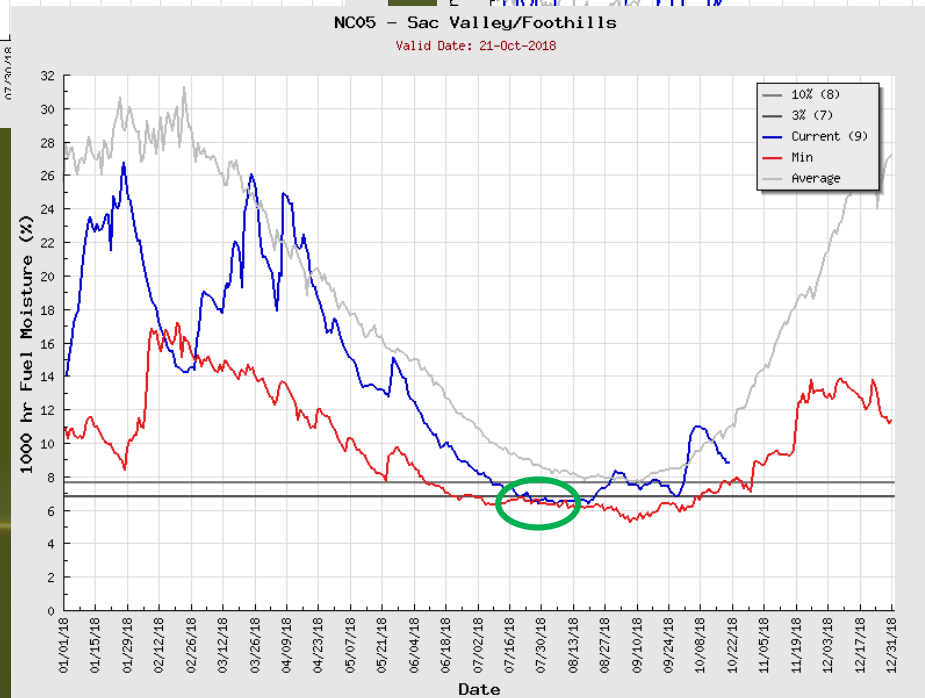
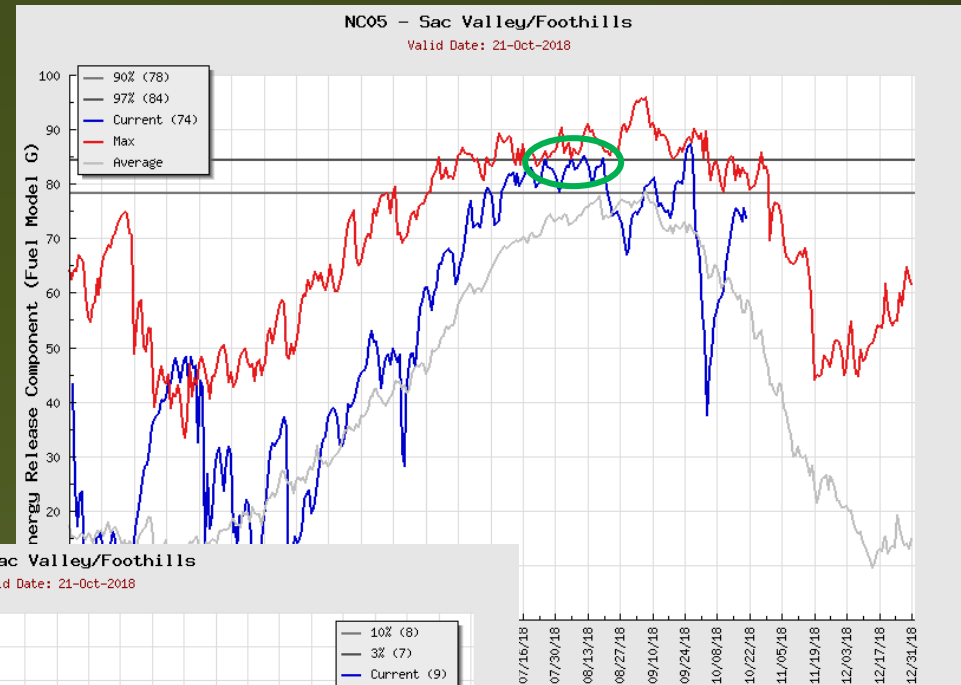
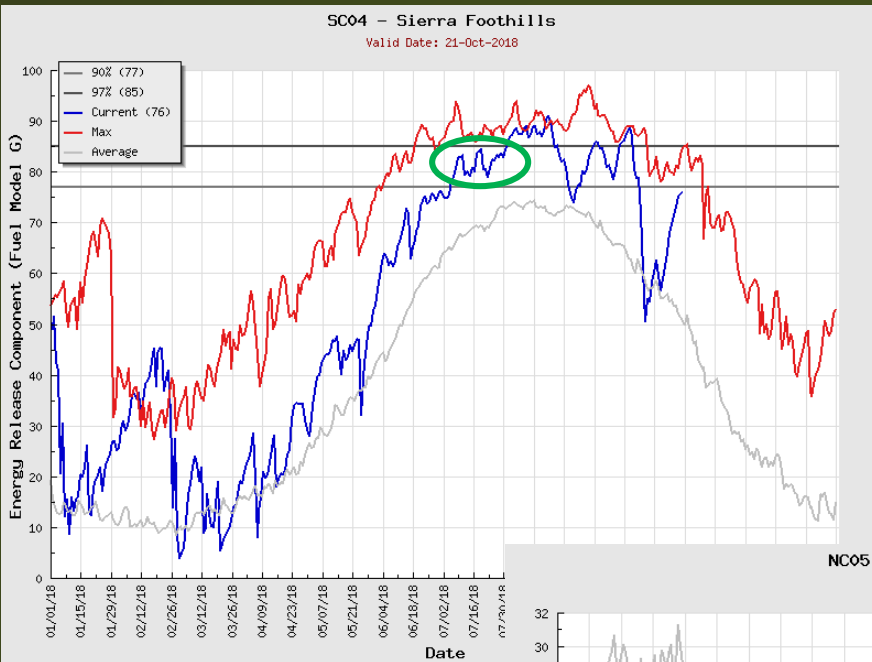


2018 NOTABLE EVENTS

- Ferguson fire in Mariposa County July 13, 2018 - August 18, 2018 96,901.
- Carr Fire in Shasta County July 23, 2018 –August 30, 2018, 229,651.
- Mendocino Complex fire in Mendocino, Lake, Colusa and Glen July 27, 2018 – September 18. 2018 459,123



2018 NOTABLE EVENTS



FERGUSON

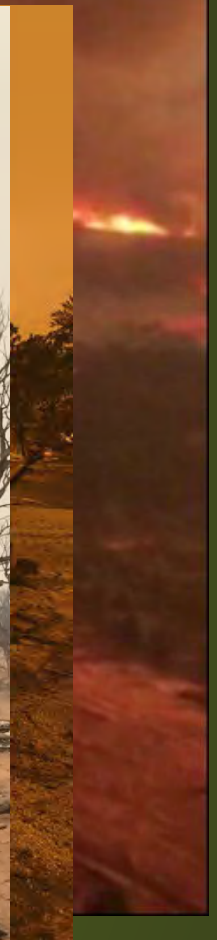


CARR



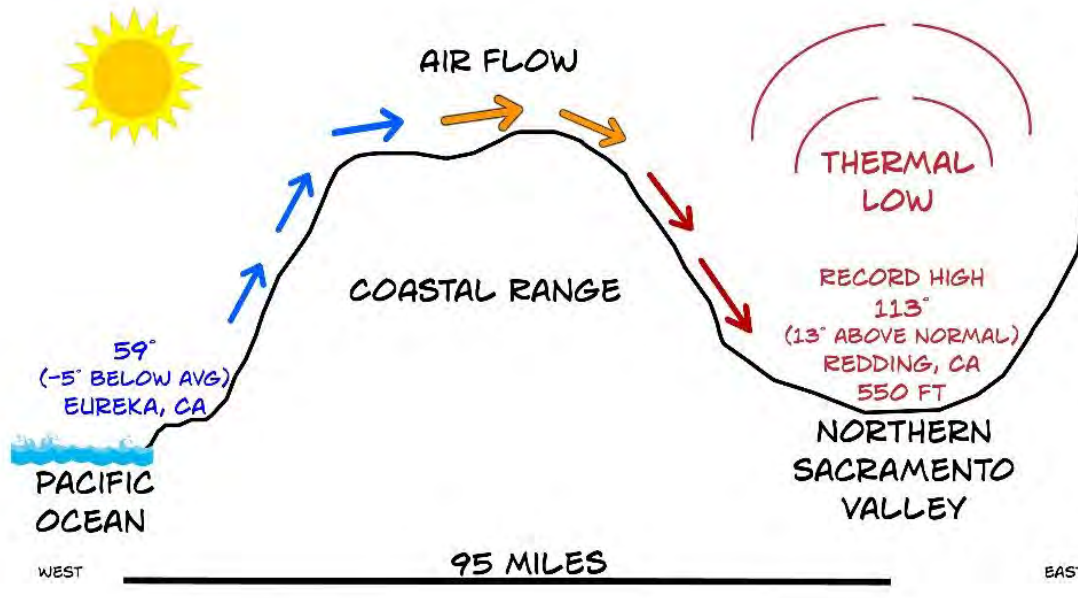
A large pyrocumulus cloud (or cloud of fire) explodes outward during the Carr Fire near Redding, Calif., on July 27. (Josh Edelson/AFP/Getty images)

CARR

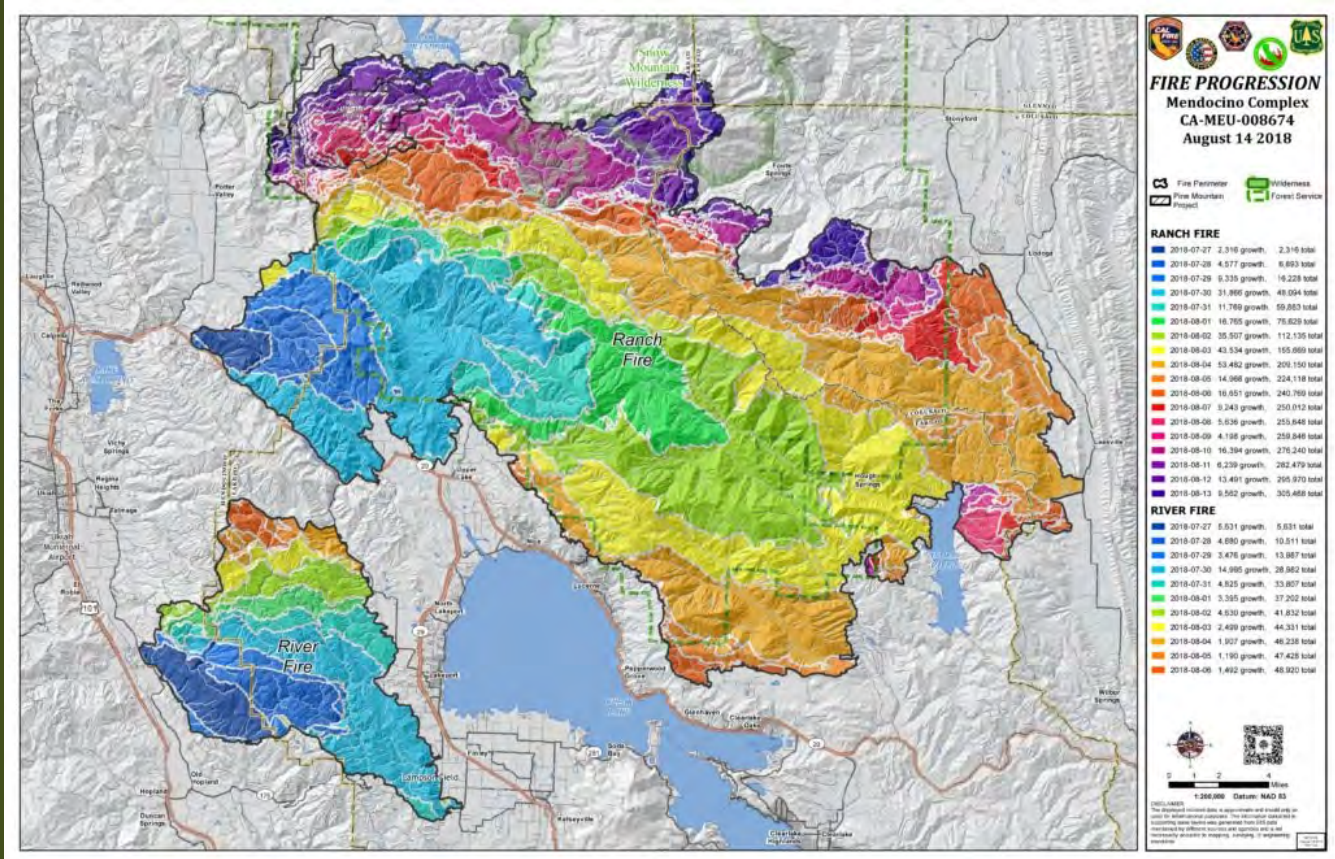


CARR FIRE, FIRE TORNADO

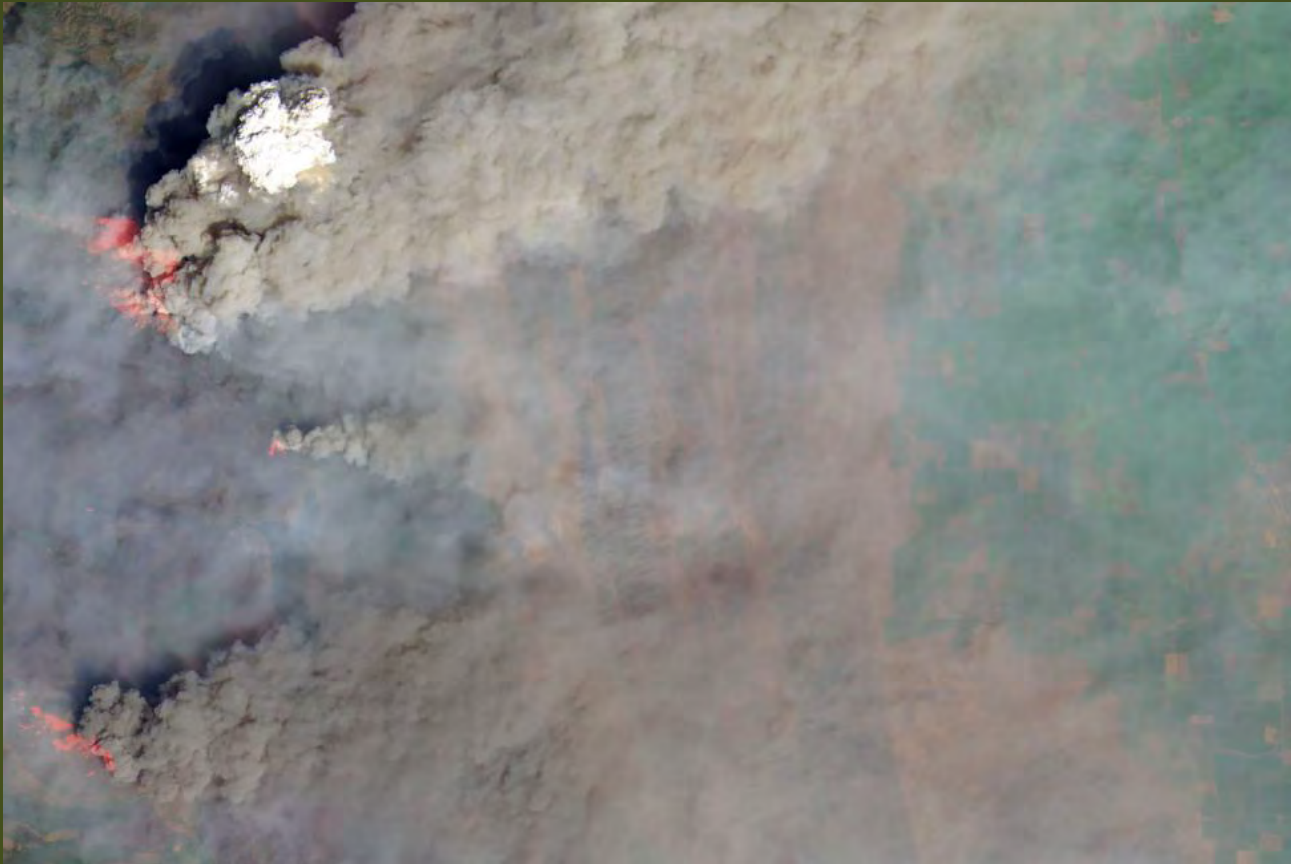
July 26, 2018. The fire tornado was a large rotating fire plume that was roughly 1000 feet in diameter at its base. Winds at the base of the fire tornado reached speeds in the range of 136-165 mph (EF-3 tornado strength),



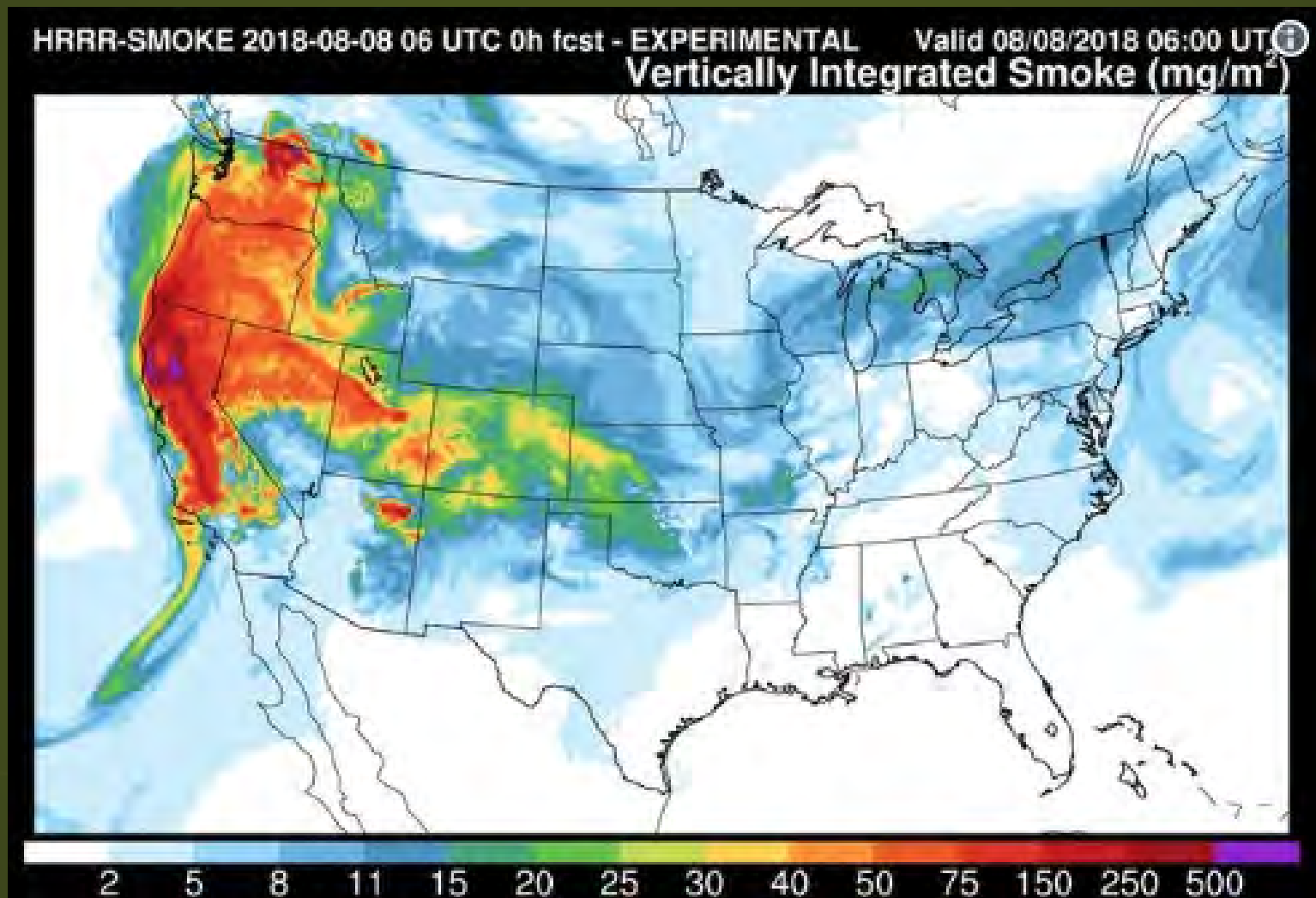
MENDOCINO COMPLEX



MENDOCINO COMPLEX, LANSTAT 8



SMOKE IMPACT FOR WEEKS



FIRE STAT, FROM JANUARY 1 – OCTOBER 14, 2018

2018 (CAL FIRE) – 5,322 fires for 620,579 acres

2018 (Federal) – 1,109 fires for 745,554 acres

2018 (combined) – 6,431 fires for 1,366,133 acres

2017 (CAL FIRE) – 5,408 fires for 311,185 acres

Average (CAL FIRE) – 5,014 fires for 230,092 acres

FIRE STAT

Top 20 Largest California Wildfires

FIRE NAME (CAUSE)
1 MENDOCINO COMPLEX (Under Investigation)
2 THOMAS (Under Investigation)
3 CEDAR (Human Related)
4 RUSH (Lightning)
5 RIM (Human Related)
6 ZACA (Human Related)
7 CARR (Human Related)
8 MATILIJIA (Undetermined)
9 WITCH (Powerlines)
10 KLAMATH THEATER COMPLEX (Human Related)
11 MARBLE CONE (Lightning)
12 LAGUNA (POWERLINES)
13 BASIN COMPLEX (Lightning)
14 DAY FIRE (Human Related)
15 STATION (Human Related)
16 ROUGH (Lightning)
17 McNALLY (Human Related)
18 STANISLAUS COMPLEX (Human Related)
19 BIG BAR COMPLEX (Lightning)
20 HAPPY CAMP COMPLEX (Human Related)

* Fires uncontained and totals are likely to change.

**There is no doubt that there were five of the large fires in more recent times.

**This list does not include fire jurisdiction.

Top 20 Deadliest California Wildfires

FIRE NAME
1 GRIFFITH PARK (Unknown)
2 TUNNEL - Oakland Hills (Rekindle)
3 TUBBS (Under Investigation)
4 CEDAR (Human Related)
5 RATTLESNAKE (Arson)
6 LOOP (Unknown)
7 HAUSER CREEK (Human Related)
8 INAJA (Human Related)
9 IRON ALPS COMPLEX (Human Related)
10 REDWOOD VALLEY (Under Investigation)
11 HARRIS (Under Investigation)
12 CANYON (Unknown)
13 CARR* (Human Related)
14 ATLAS (Under Investigation)
15 OLD (Human Related)
16 DECKER (Vehicle)
17 HACIENDA (Unknown)
18 ESPERANZA (Arson)
19 LAGUNA (Powerlines)
20 CASCADE (Under Investigation)

* Fires are uncontained and totals are likely to change.

** Fires with the same death count.

***This list does not include fire jurisdiction.

Top 20 Most Destructive California Wildfires

FIRE NAME (CAUSE)	DATE	COUNTY	ACRES	STRUCTURES	DEATHS
1 TUBBS (Under Investigation)	October 2017	Napa & Sonoma	36,807	5,636	22
2 TUNNEL - Oakland Hills (Rekindle)	October 1991	Alameda	1,600	2,900	25
3 CEDAR (Human Related)	October 2003	San Diego	273,246	2,820	15
4 VALLEY (Electrical)	September 2015	Lake, Napa & Sonoma	76,067	1,956	4
5 WITCH (Powerlines)	October 2007	San Diego	197,990	1,660	2
6 CARR* (Human Related)	July 2018	Shasta County, Trinity County	229,651	1,604	7
7 NUNS (Under Investigation)	October 2017	Sonoma	54,382	1,355	3
8 THOMAS (Under Investigation)	December 2017	Ventura & Santa Barbara	281,893	1,063	2
9 OLD (Human Related)	October 2003	San Bernardino	91,281	1,003	6
10 JONES (Undetermined)	October 1999	Shasta	26,200	954	1
11 BUTTE (Powerlines)	September 2015	Amador & Calaveras	70,868	921	2
12 ATLAS (Under Investigation)	October 2017	Napa & Solano	51,624	783	6
13 PAINT (Arson)	June 1990	Santa Barbara	4,900	641	1
14 FOUNTAIN (Arson)	August 1992	Shasta	63,960	636	0
15 SAYRE (Misc.)	November 2008	Los Angeles	11,262	604	0
16 CITY OF BERKELEY (Powerlines)	September 1923	Alameda	130	584	0
17 HARRIS (Under Investigation)	October 2007	San Diego	90,440	548	8
18 REDWOOD VALLEY (Under Investigation)	October 2017	Mendocino	36,523	546	9
19 BEL AIR (Undetermined)	November 1961	Los Angeles	6,090	484	0
20 LAGUNA (Arson)	October 1993	Orange	14,437	441	0

* Fires are uncontained and totals are likely to change.

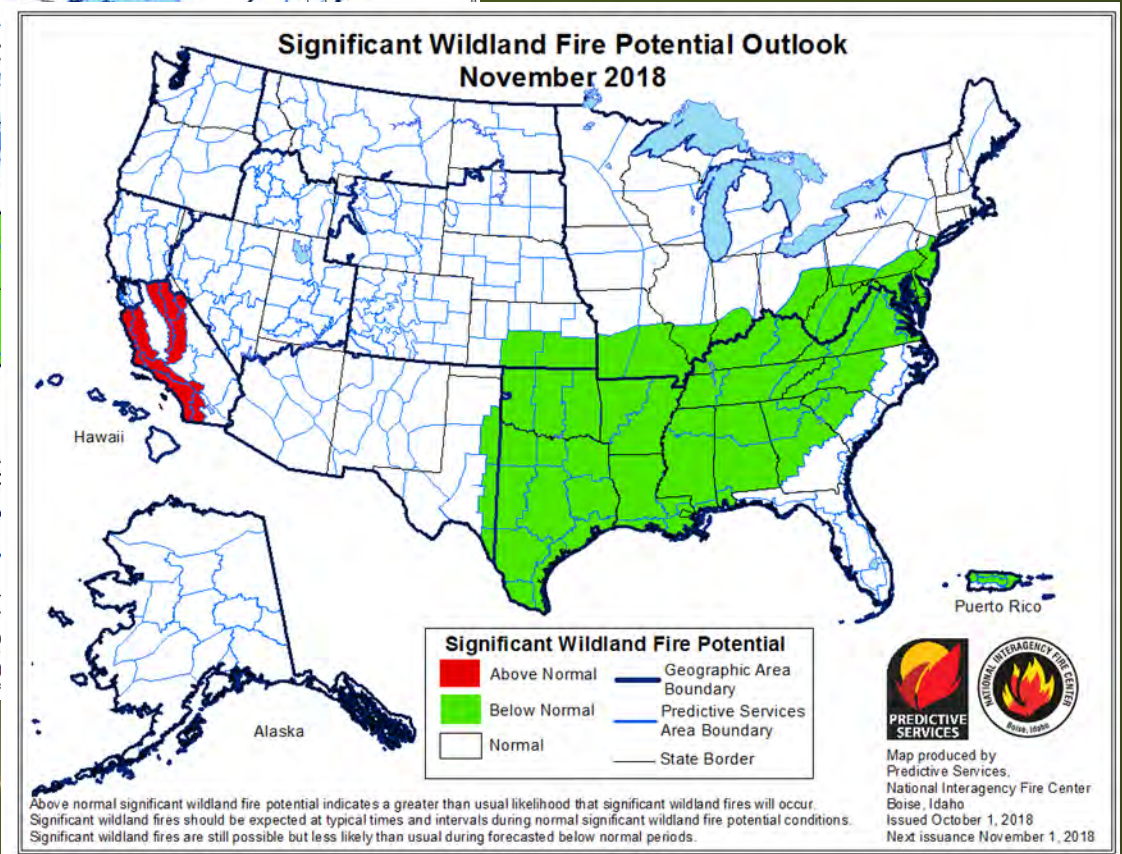
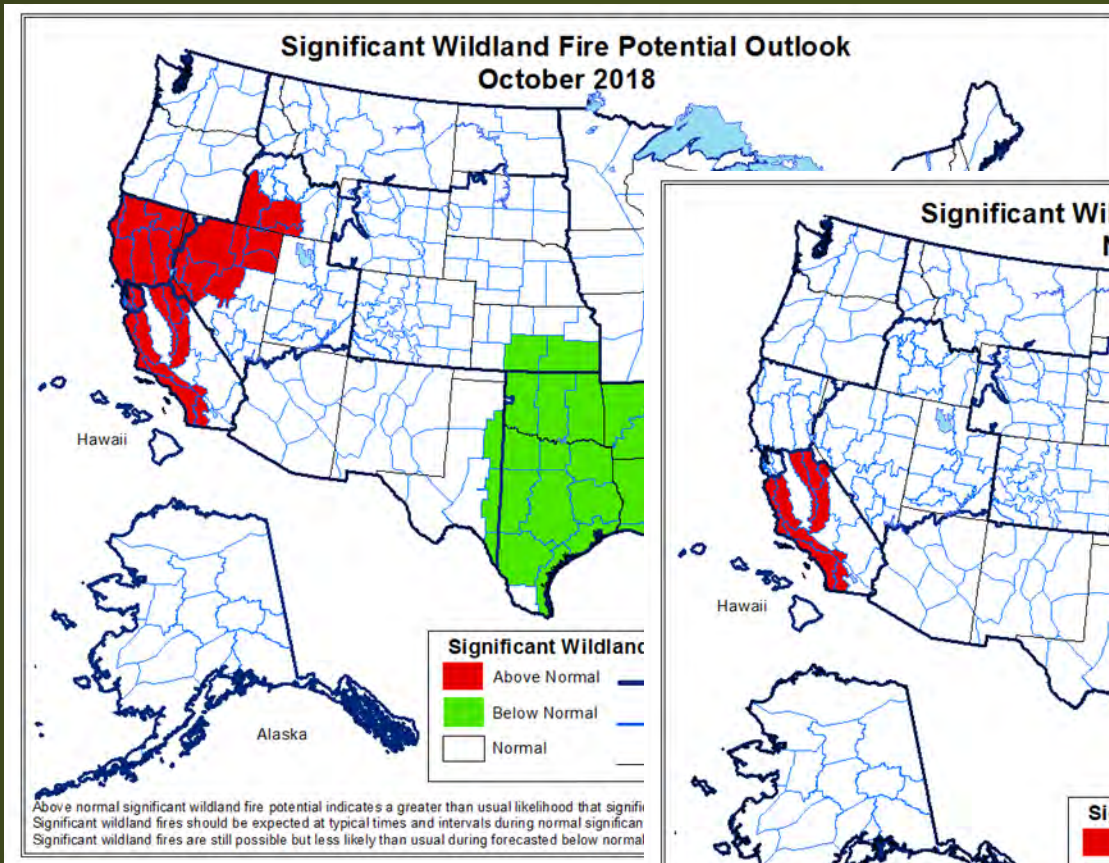
***Structures include homes, outbuildings (barns, garages, sheds, etc) and commercial properties destroyed.

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



8/20/2018

STILL IN FIRE SEASON



QUESTIONS?

