

Holiday Week Heat Briefing

Presenter: Antoinette Serrato



Weather Forecast Office Hanford, CA Saturday, June 29



- Warming continues this weekend, before a dangerous, long-duration heat wave hits the central valley of California through the holiday week and into next weekend.
- An Excessive Heat Warning has been issued for Tuesday July 2nd through Saturday July 6th, and may need to be extended through next weekend as the event nears.
- The risk of grass fires will continue to increase with herbaceous fuel loading at or near 120% of normal. A long period of excessive heat, minimum relative humidities near 15% and poor overnight relative humidity recovery continues.
- During the middle and late next week, a 15%-20% chance of thunderstorms will reside across the high Sierra in Fresno County north to Yosemite.





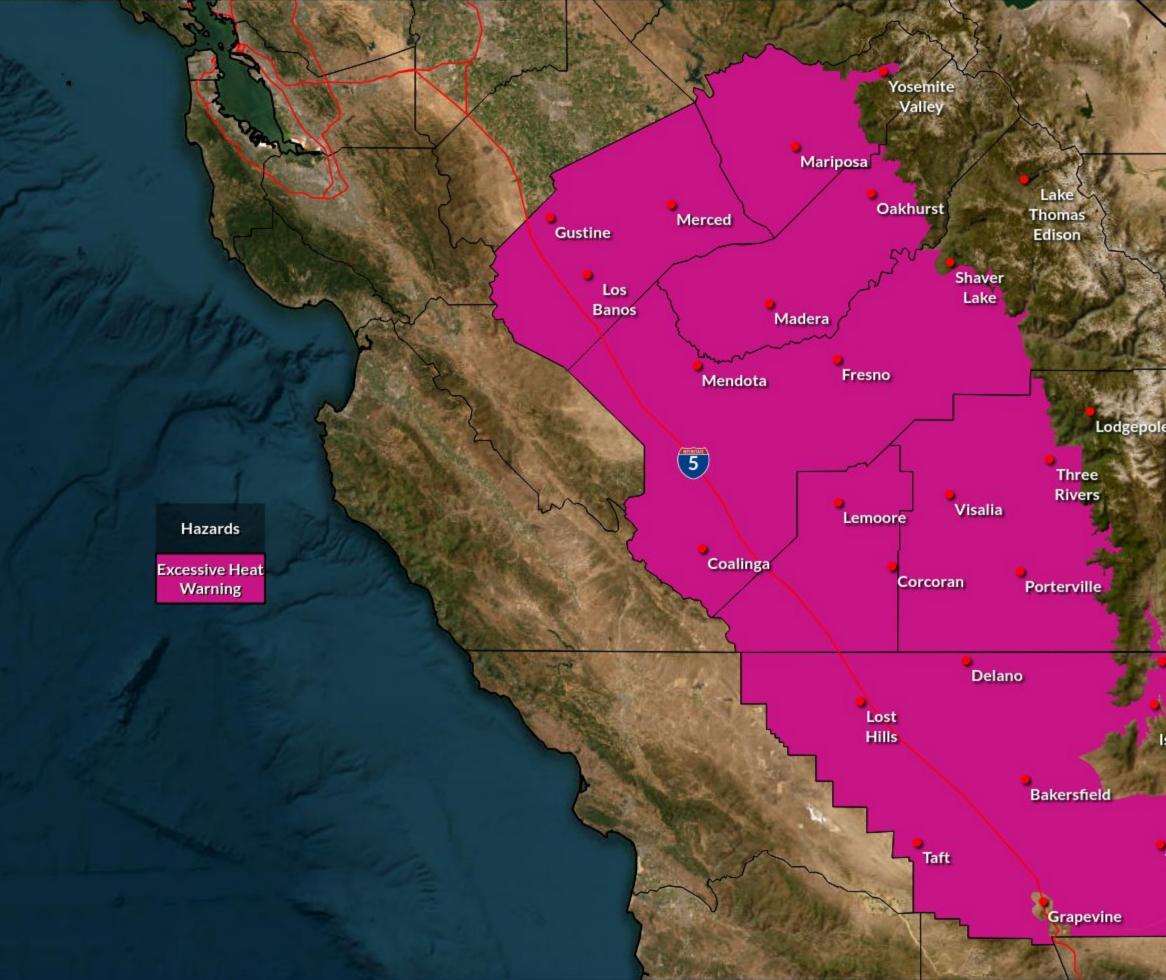






Excessive Heat Warning

Valid from 11 AM PDT Tuesday, July 2 until 8 PM PDT Saturday, July 6







Lake Isabella

Tehachapi

Ridgecrest

427.2

Randsburg

California City

Edwards AFB



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Minimum Temperature Forecast (°F)							Maximum Temperature Forecast (°F)												
	6/29	6/30	7/1	7/2	7/3	7/4	7/5	7/6			6/29	6/30	7/1	7/2	7/3	7/4	7/5	7/6	
	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Minimum		Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Maximum
Bakersfield	71	72	73	75	78	78	78	79	71	Bakersfield	101	101	101	106	110	108	108	110	110
Catheys Valley	67	67	67	71	75	74	74	76	67	Catheys Valley	94	93	95	100	104	102	102	104	104
Clovis	68	69	69	73	75	76	76	76	68	Clovis	100	99	101	105	110	108	108	110	110
Delano	64	65	67	68	71	72	72	73	64	Delano	101	100	100	105	109	108	108	110	110
El Portal	68	68	69	72	75	76	76	78	68	El Portal	90	90	92	96	99	99	100	101	101
Fresno	69	70	70	73	75	76	76	77	69	Fresno	100	99	101	104	109	107	107	110	110
Hanford	66	69	69	72	73	75	75	75	66	Hanford	100	99	100	104	109	107	107	110	110
Madera	64	65	65	70	72	73	73	73	64	Madera	99	98	100	104	108	107	106	109	109
Mariposa	65	65	65	68	72	71	71	74	65	Mariposa	93	92	94	98	102	102	101	103	103
Merced	64	65	65	69	72	72	72	72	64	Merced	98	98	101	104	109	106	106	108	109
Porterville	68	69	70	73	76	75	75	77	68	Porterville	101	100	101	105	109	107	108	110	110
Tehachapi	57	58	59	60	64	66	66	67	57	Tehachapi	87	87	87	93	95	92	94	96	96
Tulare	65	68	69	71	73	74	74	75	65	Tulare	101	101	101	106	110	109	109	110	110
Visalia	67	69	70	73	75	75	75	76	67	Visalia	101	100	101	106	110	108	108	110	110
-60 -55 -50 -45 -40 -35 -30 -25 -20 -15 -10 -5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 140 -60 -55 -50 -45 -40 -35 -30 -25 -20 -15 -10 -5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 140 Minimum Temperature Forecast (°F)																			

Created: 3 am PDT Sat 6/29/2024 | Values are maximums over the period beginning at the time shown.

Created: 3 am PDT Sat 6/29/2024 | Values are minimums over the period beginning at the time shown.

Relative Humidity Forecast



Maximum RH Forecast (%)							Minir	num F	RH Fo	recas	t (%)									
	6/29	6/30	7/1	7/2	7/3	7/4	7/5	7/6			6/29	6/30	7/1	7/2	7/3	7/4	7/5	7/6		
	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Maximum		Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Minimum	
Bakersfield	41	44	48	45	39	39	39	35	48	Bakersfield	17	19	19	16	15	15	14	26	14	
Catheys Valley	43	50	55	48	39	35	39	36	55	Catheys Valley	20	24	23	19	15	16	16	31	15	
Clovis	57	59	59	53	46	43	39	39	59	Clovis	17	20	18	17	14	14	15	28	14	
Delano	54	58	63	57	55	49	49	44	63	Delano	19	22	21	18	16	16	16	34	16	
El Portal	37	41	42	38	33	29	28	28	42	El Portal	23	29	27	23	18	19	20	25	18	
Fresno	55	57	57	53	46	43	39	36	57	Fresno	18	21	20	18	15	15	16	29	15	
Hanford	61	61	63	59	53	50	45	41	63	Hanford	21	24	23	19	17	18	17	34	17	
Madera	65	68	67	59	50	46	41	41	68	Madera	17	22	19	17	14	15	15	32	14	
Mariposa	48	53	56	52	42	39	42	39	56	Mariposa	21	26	25	21	17	17	18	34	17	
Merced	67	68	68	57	51	46	44	42	68	Merced	19	23	20	17	14	16	16	30	14	
Porterville	51	55	57	53	45	43	46	43	57	Porterville	19	23	23	19	17	18	18	34	17	
Tehachapi	53	53	63	56	49	47	45	40	63	Tehachapi	18	20	21	17	17	19	18	32	17	
Tulare	63	65	68	66	55	53	51	48	68	Tulare	20	23	22	19	16	17	16	36	16	
Visalia	61	63	66	59	52	50	50	46	66	Visalia	20	24	23	20	18	18	18	37	18	
5 10	15 20	25	20	25	40	50	80	70	80 90 100	5 10 15	5 20	25	20	25	40	50	80	70	80 90 10	10
Created: 3	5 10 15 20 25 30 35 40 50 80 70 80 90 100 5 10 15 20 25 30 35 40 50 80 70 80 90 100 Maximum RH Forecast (%) Created: 3 am PDT Sat 6/29/2024 Values are maximums over the period beginning at the time shown. Created: 3 am PDT Sat 6/29/2024 Values are minimums over the period beginning at the time shown.																			

Created: 3 am PDT Sat 6/29/2024 | Values are maximums over the period beginning at the time shown.

Created: 3 am PDT Sat 6/29/2024 | Values are minimums over the period beginning at the time shown.

10.1

Probability for Temperatures Greater than 105



Chance of Temperatures Greater Than 105°F

Saturday Afternoon, Jun 29 - Saturday Afternoon, Jul 6

	Sat 6/29	Sun 6/30	Mon 7/1	Tue 7/2	Wed 7/3	Thu 7/4	Fri 7/5			
Bakersfield	4%	0%	0%	25%	80%	70%	55%			
Coalinga	0%	0%	1%	15%	55%	45%	45%			
Fresno	0%	0%	0%	30%	75%	60%	55%			
Hanford	1%	0%	1%	25%	70%	60%	45%			
Madera	0%	0%	0%	20%	70%	55%	45%			
Merced	0%	0%	0%	30%	70%	45%	40%			
Oakhurst	0%	0%	0%	0%	20%	15%	20%			
Ridgecrest	30%	30%	60%	80%	95%	97%	90%			
Visalia	4%	0%	4%	60%	85%	75%	60%			
	Percent Chance (%)									

Percent Chance (%)

6 Information:

The table displays the percent chance of a weather event occurring based on model predictions from the National Blend of Models. A higher number means greater certainty.

Sat 7/6
75%
55%
75%
65%
55%
45%
25%
95%
75%

Additional Details

Potential Impacts: \triangle

Risk of heat-related • illnesses for the entire population. This is a prolonged heat event that is very dangerous.

What To Do:

- Drink plenty of water or sports drink
- Wear lightweight, lightcolored clothing
- Cancel outdoor activities during the heat of the day
- Use air conditioning and 0 remain in cool places during the day

Valid: Sat 05 pm PDT - Sat 05 pm PDT Issued: Sat, Jun 29, 2024, 3 am PDT



Probability for Temperatures Greater than 110



Chance of Temperatures Greater Than 110°F

Saturday Afternoon, Jun 29 - Saturday Afternoon, Jul 6

	Sat 6/29	Sun 6/30	Mon 7/1	Tue 7/2	Wed 7/3	Thu 7/4	Fri 7/5
Bakersfield	0%	0%	0%	0%	30%	10%	10%
Coalinga	0%	0%	0%	0%	10%	5%	10%
Fresno	0%	0%	0%	1%	35%	20%	15%
Hanford	0%	0%	0%	2%	30%	20%	15%
Madera	0%	0%	0%	0%	30%	10%	10%
Merced	0%	0%	0%	1%	30%	5%	10%
Oakhurst	0%	0%	0%	0%	1%	1%	2%
Ridgecrest	1%	1%	5%	15%	60%	50%	60%
Visalia	0%	0%	0%	5%	50%	35%	20%
				Percent Cl	nance (%)		

6 Information:

The table displays the percent chance of a weather event occurring based on model predictions from the National Blend of Models. A higher number means greater certainty.

Sat 7/6
35%
20%
35%
30%
20%
15%
4%
65%
35%

Additional Details

Potential Impacts: \triangle

Risk of heat-related • illnesses for the entire population. This is a prolonged heat event that is very dangerous.

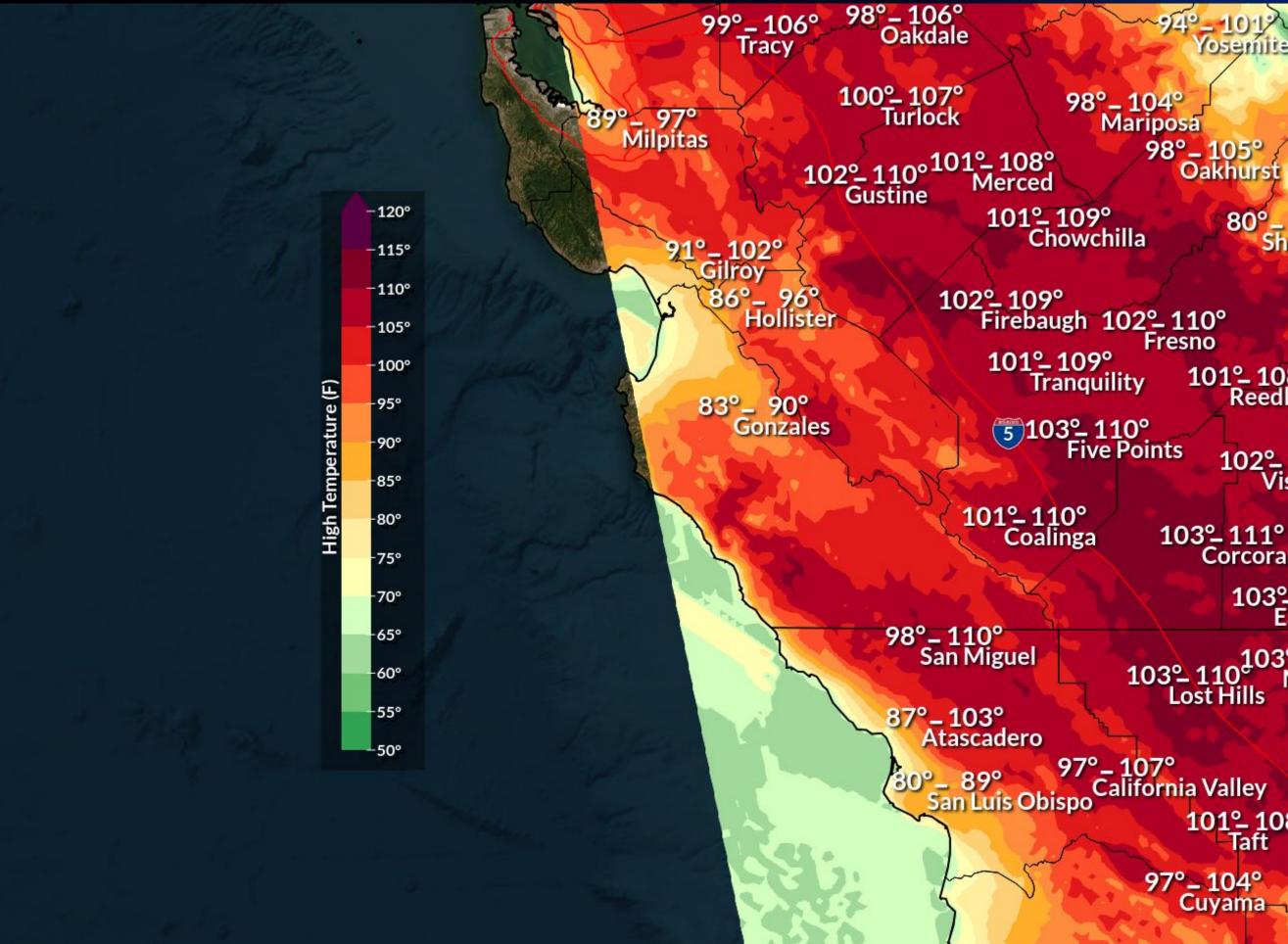
What To Do:

- Drink plenty of water or sports drink
- Wear lightweight, lightcolored clothing
- Cancel outdoor activities during the heat of the day
- Use air conditioning and 0 remain in cool places during the day

Valid: Sat 05 pm PDT - Sat 05 pm PDT Issued: Sat, Jun 29, 2024, 3 am PDT



4th of July (Best Case - Worst Case) High Temperatures



Weather Forecast Office Hanford, CA Issued Jun 29, 2024 4:22 AM PDT



93° - 100% Benton Hot Springs

> 102° 107° Chalfant

> > 101°- 107°

Big Pine

7°- 84° Lake Thomas Edison

80°- 87° Shaver Lake

101°- 107° 80°--87° Independence Fresno **Grant Grove**

101°-108° Reedley

AP = 1012 Yosemite Valley

103°_110° Three Rivers 102°- 110° Visalia

103°-111° Corcoran

103°- 110° Earlimart

103°-110^{103°-}110° McEarla McFarland Lost Hills

Olancha 85°_ 91° Camp Nelson

> 108°-116° 99°-105° Searles Valle Kernville 108°- 115° 97° - 103° Inyokern Lake Isabella

102°- 110° Keeler

101°- 107°

103°-110° Bakersfield 101°- 108° Taft

<u>89° - 96°</u>

Frazier Park

103°_111° 88° – 95° Tehachapi **California City**

105°-.113°

Edwards AFB

97°-104° Cuyama-__

NWS Hanford, CA



What is Major HeatRisk?

extreme

3 - major



What it means:

- Major Risk of
 - effective cooling or hydration.

- air conditioning is necessary - fans and will not be enough.



Major HeatRisk is the **3rd of 4 levels** of HeatRisk

heat-related illnesses for much of the population

- especially those without

Little to no relief at night

open windows at night

Actions to take:

- Drink plenty of water or sports drink
- Wear lightweight, light-colored clothing
- **Avoid outdoor activities** during the warmest parts of the day
- Use air conditioning and remain in cool places during the day

weather.gov/Hanford National Weather Service • Hanford, CA Updated: Fri, Jun 28, 2024 9:15 AM PDT



NWS Hanford, CA



What is **Extreme** HeatRisk?

4 - extreme



What it means:

- **Extreme Risk of**
 - this is a prolonged heat event that is very dangerous unless precautions are taken.
- Little to no relief at night. Air conditioning is necessary - fans and open windows at night will not be enough.



Extreme HeatRisk is the 4th of 4 levels of HeatRisk

heat-related illnesses for the entire population

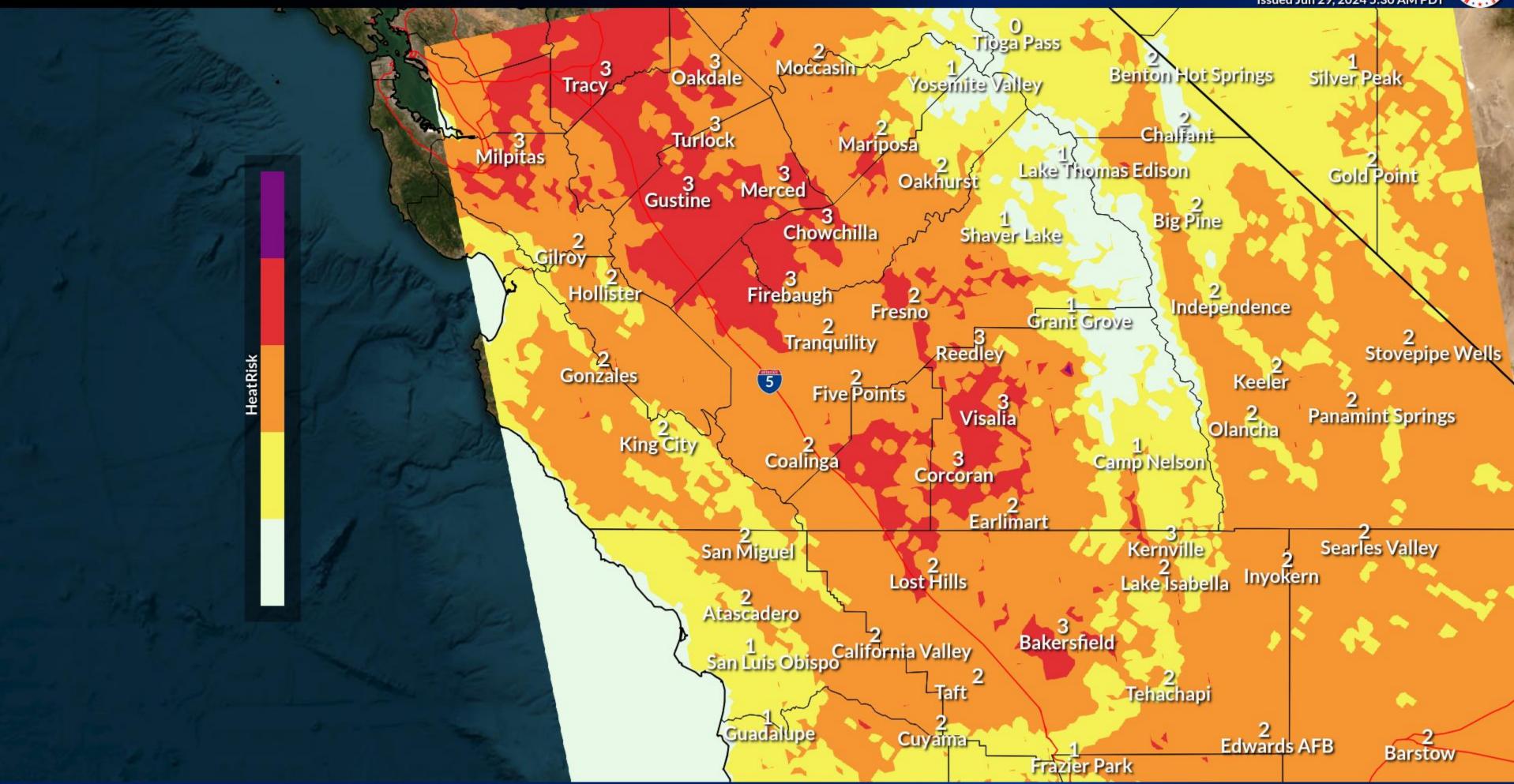
Actions to take:

- Drink plenty of water or sports drink
- Wear lightweight, light-colored clothing
- **Cancel outdoor** activities during the heat of the day
- Use air conditioning and remain in cool places during the day

weather.gov/Hanford National Weather Service • Hanford, CA Updated: Fri, Jun 28, 2024 9:15 AM PDT



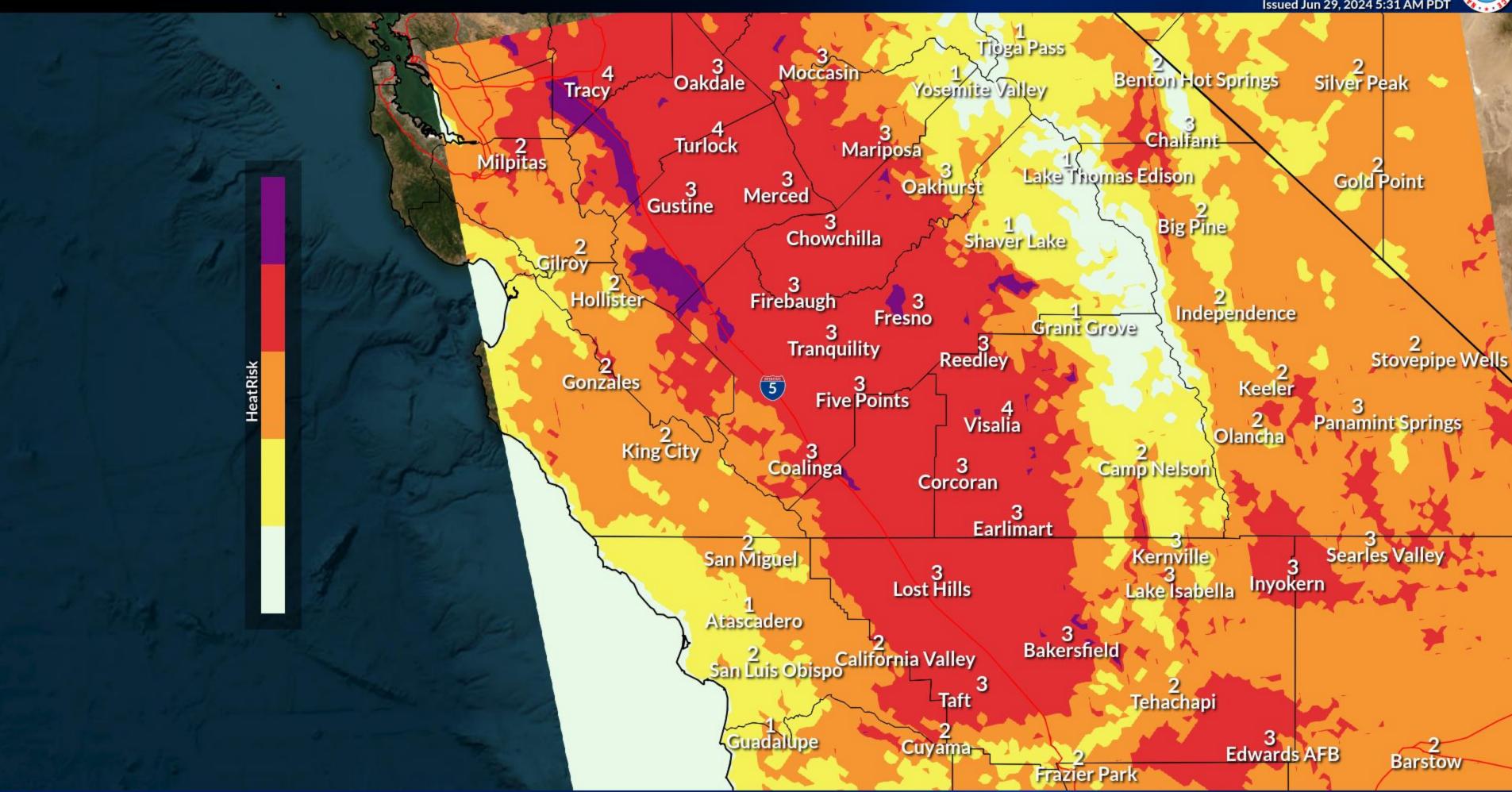
Tuesday's Heat Risk



Weather Forecast Office Hanford, CA Issued Jun 29, 2024 5:30 AM PDT



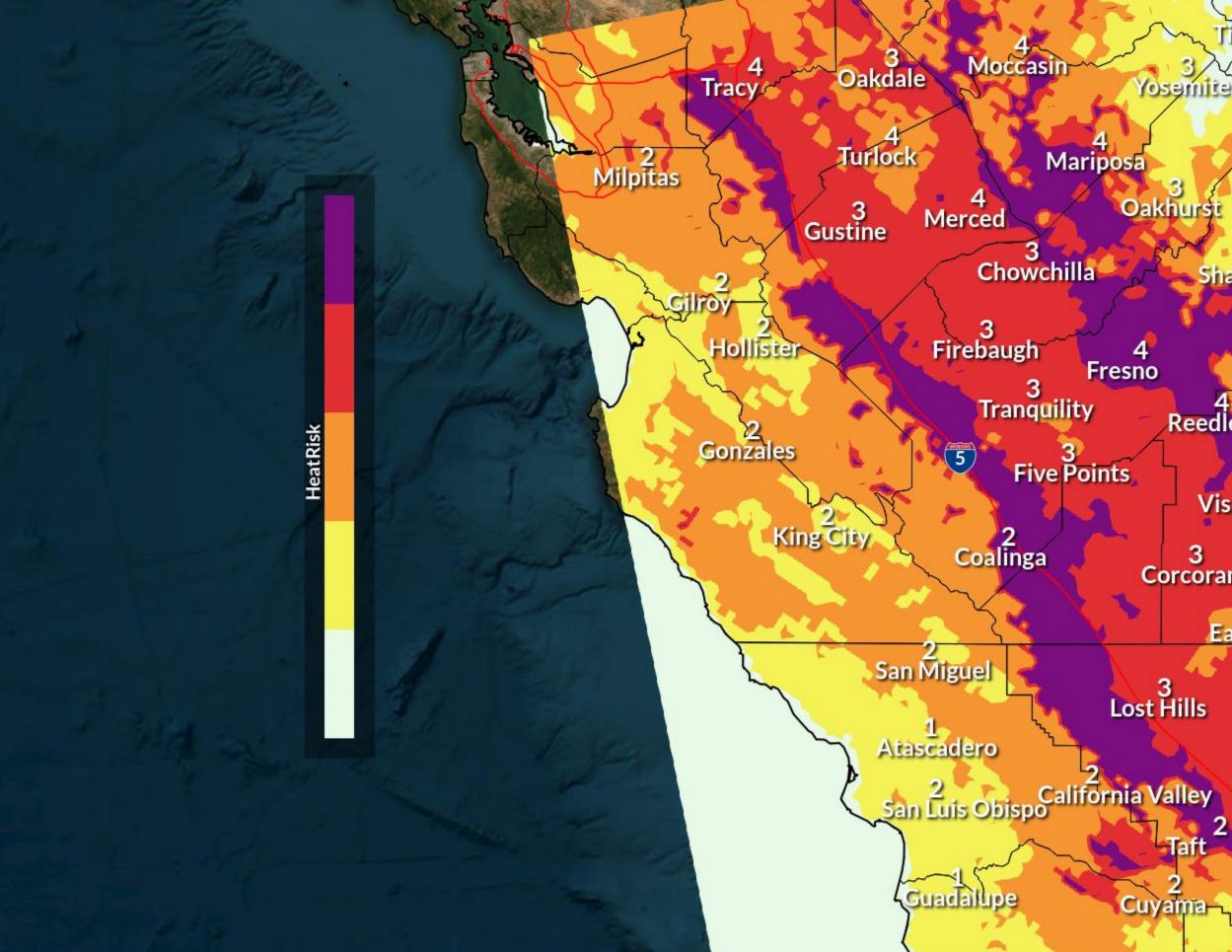
Wednesday's Heat Risk



Weather Forecast Office Hanford, CA Issued Jun 29, 2024 5:31 AM PDT



Thursday's Heat Risk 4th of July

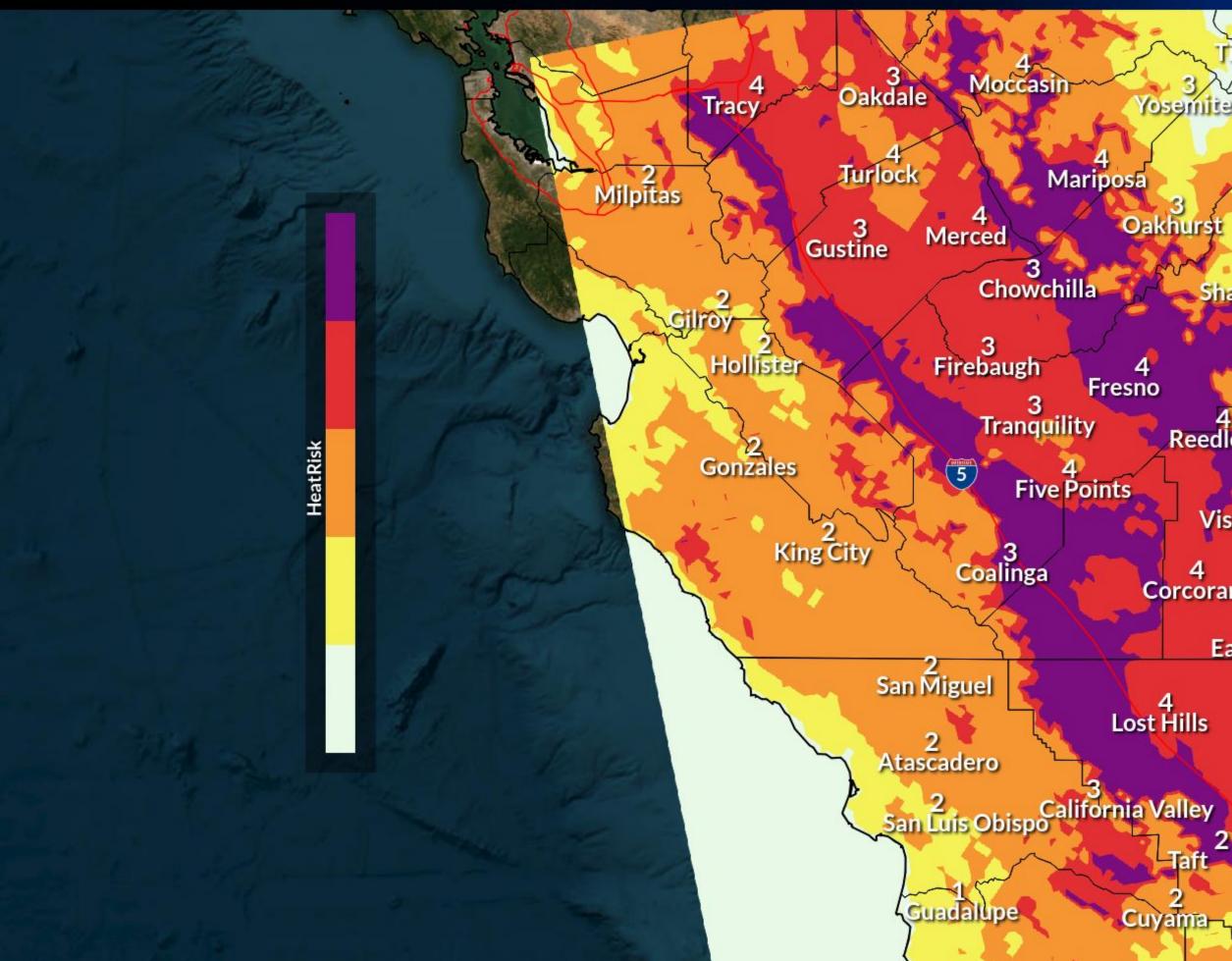


Weather Forecast Office Hanford, CA Issued Jun 29, 2024 5:32 AM PDT



Tigga Pass 2 Silver Peak 3 **Benton Hot Springs** Yosemite Valley Chalfant Lake Thomas Edison **Gold Point** Big Pine Shaver Lake 2 Independence Grant Grove 2 Stovepipe Wells Reedley Keeler 4 Visalia 2 Olancha Panamint Springs 3 Corcoran Camp Nelson 2 Earlimart Searles Valley Kernville Inyokern Lake isabella 4 Bakersfield Taft² Tehachapi 3 2 Barstow **Edwards AFB Frazier Park**

Friday's Heat Risk



Weather Forecast Office Hanford, CA Issued Jun 29, 2024 5:33 AM PDT



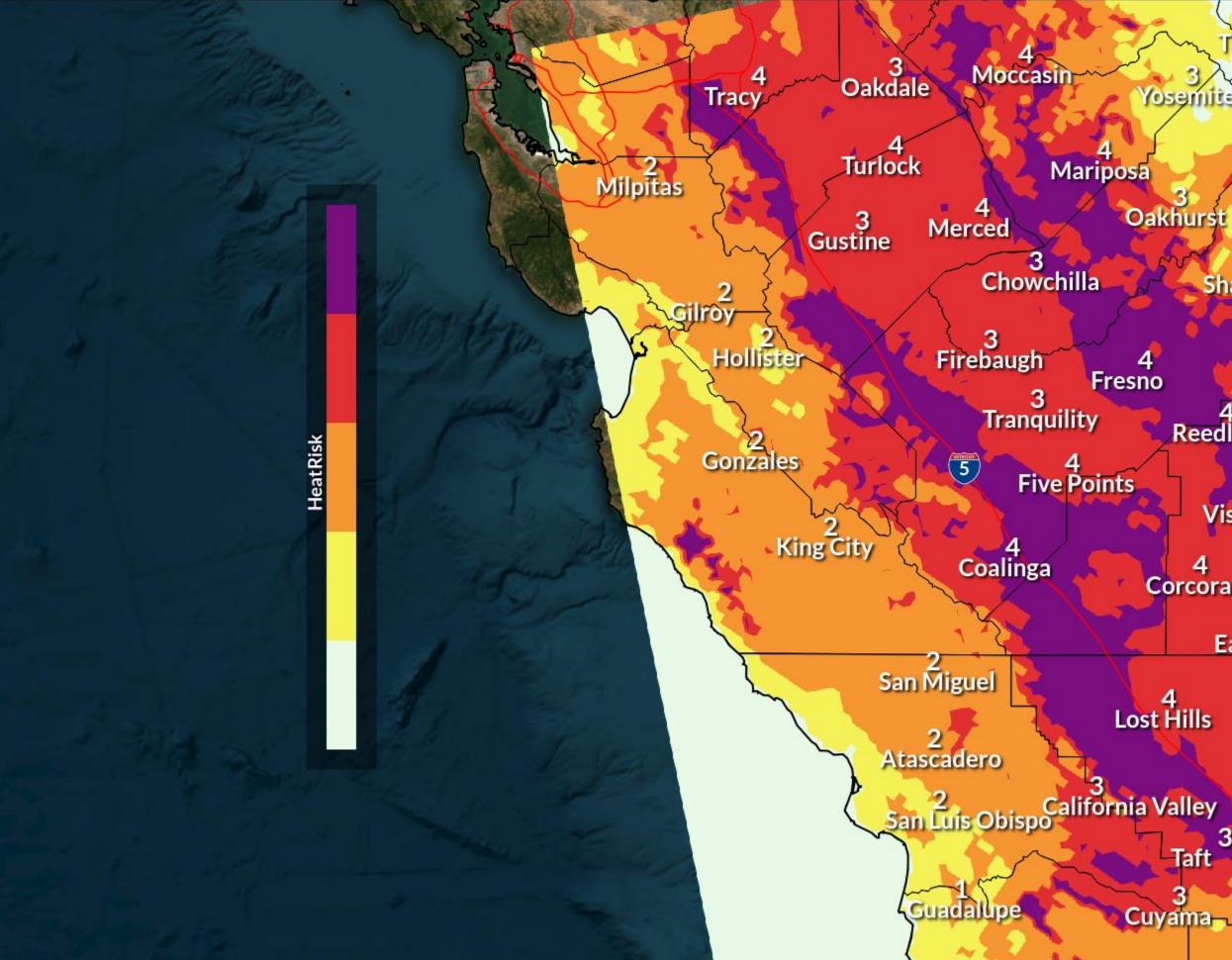
Tioga Pass 2 Silver Peak **Benton Hot Springs** Yosemite Valley Chalfant Lake Thomas Edison Gold Point **Big Pine** Shaver Lake Independence Grant Grove Stovepipe Wells Reedley Keeler 4 Visalia 2 Olancha Panamint Springs 4 Corcoran Camp Nelson 3 Earlimart Kernville **Searles Valley** Lake sabella Inyokern Bakersfield Taft² Tehachapi 3 **Edwards AFB**

Frazier Park

weather.gov/hnx

Barstow

Saturday's Heat Risk



Weather Forecast Office **Hanford, CA** Issued Jun 29, 2024 5:33 AM PDT



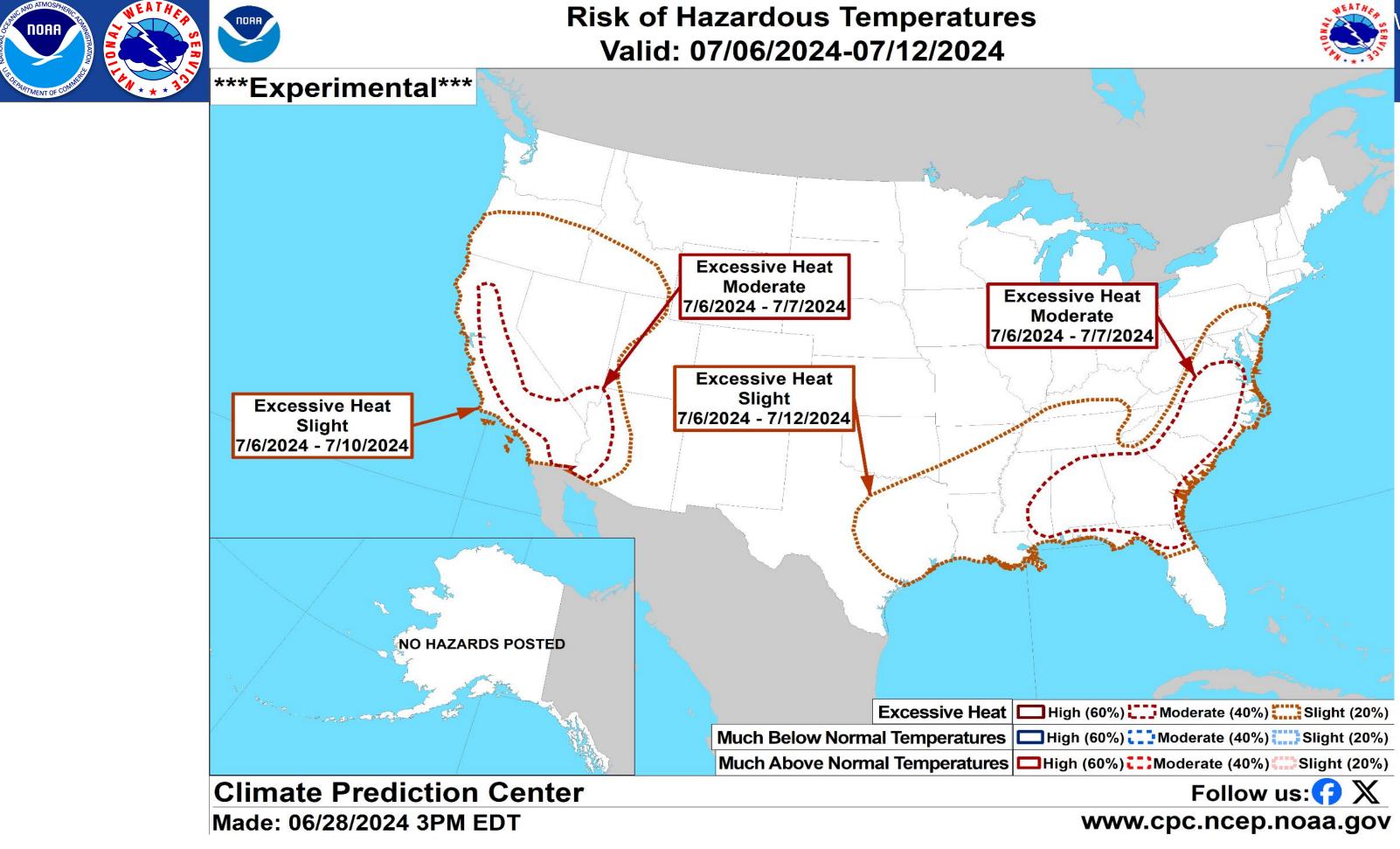
Tioga Pass 3 Yosemite Valley **Benton Hot Springs** Silver Peak Chalfant Lake Thomas Edison **Gold Point Big** Pine Shaver Lake 2 Independence Grant Grove Stovepipe Wells Reedley Keeler 4 Visalia 2 Olancha **Panamint Springs** Camp Nelson 4 Corcoran 3 Earlimart Searles Valley Kernville Lake Isabella Inyokern 4 Bakersfield Taft 3 3 Tehachapi 3 3 Edwards AFB 3 Barstow

Frazier Park





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Be	otty	1 Co
Death	Valley	hit
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no Ridgecrest		17
rsfield	Baker	11
Tehachapi er Park Barst		Needles
Victorville	AND DESCRIPTION OF	I see
North -	and the fit	1 周末的时



40% Chance of Excessive Heat through July 12th

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Weather Forecast Office Hanford, CA Saturday, June 29



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- During the middle and late next week, a 15%-20% chance of thunderstorms will reside across the high Sierra in Fresno County north to Yosemite.









