

Situation Cell Weather Outlook July 6, 2021



Statewide Overview

Bottom Line

A long-duration heat wave will impact California through at least Monday (7/12). Dangerously hot temperatures of 100 to 120 degrees are expected across parts of California, with even hotter temperatures in Death Valley. The hottest temperatures in many locations will likely occur over the weekend, with some cooling possible next week. Record-breaking temperatures are possible during this event.

Key Points

- *There is a potential for widespread record high temperatures. Temperatures expected to be 10+ degrees above normal for this time of year.*
 - *High temperatures will range from 100 to 112 degrees across Northern California near Redding and in the Central Valley by mid and late week, while inland areas of Southern California range from 100 to 120 degrees, even hotter near Death Valley.*
- *Moderate risk to very high risk heat impacts across portions of Inland and Southern Regions expected through Sunday, with the hottest temperatures Thursday through Sunday.*
- *More than 9 Excessive Heat Watches and 3 Excessive Heat Warnings have been issued for areas across the state. Most of these warnings end by Monday.*
- *There is a current Red Flag Warning and a Fire Weather Watch for far Northern California.*

Potential Impacts

- *The worst heat impacts are expected across the San Joaquin Valley, with Fresno potentially challenging a 115 degree all-time record on Sunday. Temperatures really increase over the Sacramento and San Joaquin Valleys Friday with high to very high heat impacts continuing through Monday.*
- *Widespread moderate heat risk is anticipated for much of the state, except for along the coast and over the mountains. Portions of the San Joaquin Valley and into the southern deserts will see high to very high heat risk beginning on Thursday and becoming more widespread across the Central Valley by Saturday and continuing into Monday.*
- *Moderate heat risk will impact those who are sensitive to heat, especially those without effective cooling and/or adequate hydration. High and very high heat risk impacts much of the population due to the longer duration of the hot temperatures and the poor overnight recovery.*

Contingency Plan for Excessive Heat Emergencies Phase Analysis

- Based on plan assessment and past practice, the state is activating Phase II of the Heat Plan due to intensity of the heat, poor overnight recovery, and prolonged duration of the event.

Actions Taken by Cal OES

- The Situation Cell produced a Weather Outlook briefing for situational awareness on July 06, 2021 and will begin incident reporting starting tomorrow, July 07, 2021. The incident report will include state and local actions, as well as cooling center information.
- The Situation Cell reached out to the National Weather Service (ROC) to clarify and define the weather forecast.
- The Situation Cell will continue to monitor the heat event for increase in duration and/or impacts and reevaluate the Heat Plan as necessary.

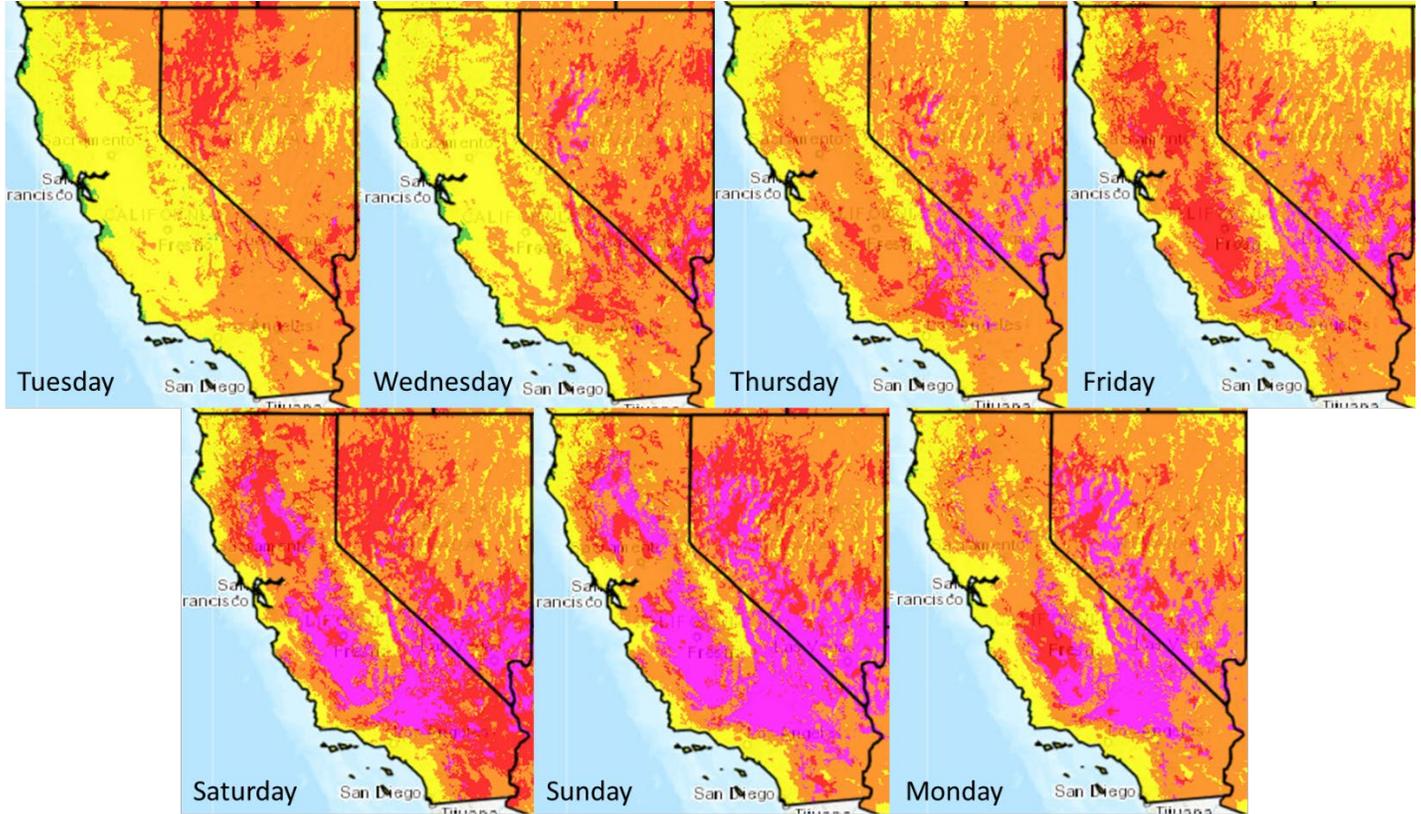
Watches and Warnings – For full details on listed Watches and Warnings [Click Here](#)

As of 07/06/21 at 1600 hours.

California	Begins	Ends
Red Flag Warning (MFR) +	Now	Tue Jul 6 8:00pm
Excessive Heat Warning (HNX) +	Wed Jul 7 11:00am	Mon Jul 12 9:00pm
Excessive Heat Warning (SGX) +	Wed Jul 7 8:00am	Mon Jul 12 8:00pm
Excessive Heat Warning (VEF) +	Wed Jul 7 8:00am	Mon Jul 12 8:00pm
Fire Weather Watch (MFR) +	Thu Jul 8 2:00pm	Thu Jul 8 8:00pm
Excessive Heat Watch (LOX) +	Thu Jul 8 10:00am	Mon Jul 12 9:00pm
Excessive Heat Watch (HNX) +	Fri Jul 9 1:00pm	Mon Jul 12 9:00pm
Excessive Heat Watch (STO) +	Fri Jul 9 11:00am	Mon Jul 12 9:00pm
Excessive Heat Watch (LOX) +	Fri Jul 9 10:00am	Mon Jul 12 9:00pm
Excessive Heat Watch (SGX) +	Sat Jul 10 9:00am	Sun Jul 11 10:00pm
Excessive Heat Watch (PSR) +	Sat Jul 10 10:00am	Sun Jul 11 8:00pm
Excessive Heat Watch (PSR) +	Sat Jul 10 10:00am	Sat Jul 10 8:00pm
Excessive Heat Watch (EKA) +	Fri Jul 9 12:00pm	Mon Jul 12 12:00am
Excessive Heat Watch (MFR) +	Fri Jul 9 2:00pm	Sun Jul 11 8:00pm
Excessive Heat Watch (REV) +	Sat Jul 10 12:00pm	Mon Jul 12 9:00pm
Beach Hazards Statement (SGX) +	Now	Tue Jul 6 8:00pm
Special Weather Statement (REV) +		Wed Jul 7 5:00am

NWS Experimental Heat Risk – For full map [Click Here](#)

As of 07/06/21 at 1600 hours.



Meaning	
No Elevated Risk	High Risk for much of the population, especially those who are heat sensitive and those without effective cooling and/or adequate hydration
Low Risk for those extremely sensitive to heat, especially those without effective cooling and/or adequate hydration	Very High Risk for entire population due to long duration heat, with little to no relief overnight
Moderate Risk for those who are sensitive to heat, especially those without effective cooling and/or adequate hydration	

Map of Currently Issued Excessive Heat Watches and Warnings

As of 07/06/21 at 1600 hours.



- [Heat Advisory](#)
- [Excessive Heat Warning](#)
- [Red Flag Warning](#)
- [Fire Weather Watch](#)
- [Small Craft Advisory](#)
- [Excessive Heat Watch](#)
- [Gale Warning](#)
- [Beach Hazards Statement](#)

Burn Areas 2020 — 2019 — 2018 —

Inland Region

Bottom Line

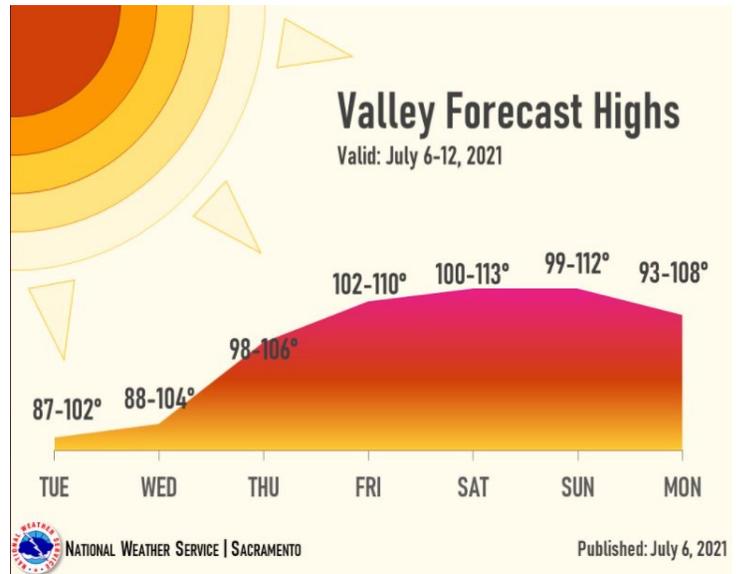
A warming trend is forecast beginning midweek with extreme temperatures possible by late week through the weekend. Widespread high temperatures in the triple digits are likely each day Thursday through early next week with the warmest days expected to be Friday through Sunday.

Key Points

- Hottest days will be Friday through the weekend.
 - Valley and foothills: Highs 100-115°, lows upper 60s - low 80s
 - Mountains: 80s - 105°
- Excessive Heat Watches and Warnings scheduled to start Wednesday and end on Monday.

Potential Impacts

- Dangerous to extreme heat risk could increase the risk for heat-related illnesses.
- High to very high risk for heat-related illnesses for the general population, pets, and livestock, especially with extended outdoor exposure, and for those who are heat sensitive and without effective cooling and adequate hydration.



HEAT RAMPS UP AT WEEK'S END AND PERSISTS THROUGH WEEKEND

High Temperatures Friday (Valid: July 09, 2021) | High Temperatures Saturday (Valid: July 10, 2021) | High Temperatures Sunday (Valid: July 11, 2021)

Heat Safety Tips:

- Stay hydrated.
- Wear light colored, loose fitting clothing.
- Avoid prolonged exposure outdoors during the hottest time of the day.
- Wear sunscreen.

Very Dangerous Heat!
Friday – Early Next Week

What This Means

- Heat like this is **rare**
- Very high heat risk, even for the general population
- Little overnight relief
- Long duration heat

What To Do

- Drink extra water
- Seek AC. Don't rely on fans to cool to you
- Avoid outdoor activities
- Check on elderly, kids & pets

Potential Heat Risk

Very Low | Low | Moderate | High | Very High

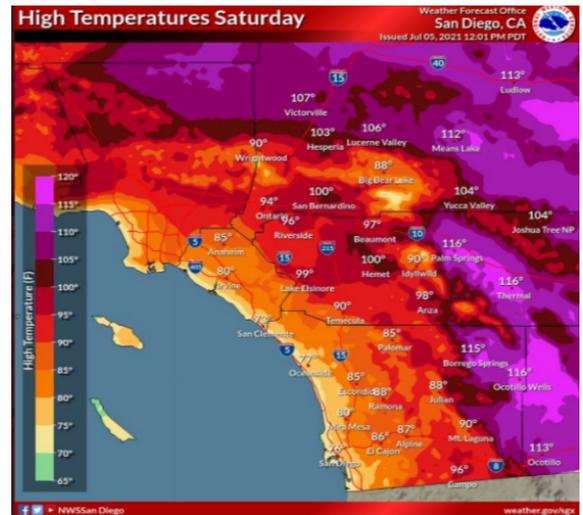
Southern Region

Bottom Line

Hot temperatures continue for much of Interior and Southern California through much of the week, with temperatures significantly increasing toward the end of the week with high to very high heat risk impacts expected. After a dry start to the week, the chance of isolated thunderstorms increases midweek into late week across Southeastern California.

Key Points

- Increasing temperatures through the weekend. Excessive heat expected for much of the deserts, particularly the High Desert, peaking this weekend.
- Elevated surf and high rip current risk in Orange County through this evening.
- Locally elevated fire weather conditions for portions of the mountains and deserts much of the week.
- Monsoon moisture may limit daytime temperatures, but warm nights and higher humidity will increase the heat stress.
- Cities including Victorville, Apple Valley and Hesperia have the potential to see the hottest temperatures so far this year.
- Excessive Heat Watches and Warnings scheduled to start Wednesday and end on Monday.



Potential Impacts

- Highest heat risk expected Saturday and Sunday in the High Desert.
- Monsoon moisture may limit daytime temperatures, but warm nights and higher humidity will increase the heat stress.
- Heightened risk of heat-related illnesses for most of the population and especially those without effective cooling and/or adequate hydration.
- Increased risk of rapid wildfire spread for some areas.
 - Increasing temperatures, combined with low daytime humidity of 10-20%, will result in periods of elevated fire weather conditions in the mountains and deserts, particularly Saturday through Monday.

