

Storm Data and Unusual Weather Phenomena - July 2021

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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CALIFORNIA, South Central

(CA-Z179) WEST SIDE HILLS, (CA-Z180) SAN JOAQUIN CONFLUENCE, (CA-Z181) MERCED AND MADERA, (CA-Z182) WESTERN SAN JOAQUIN VALLEY, (CA-Z183) FOGGY BOTTOM, (CA-Z184) FRESNO, (CA-Z185) TULARE COUNTY, (CA-Z186) SOUTHERN KINGS COUNTY, (CA-Z187) WESTERN SAN JOAQUIN VALLEY IN KERN COUNTY, (CA-Z188) EASTERN SAN JOAQUIN VALLEY IN KERN COUNTY, (CA-Z189) BAKERSFIELD, (CA-Z190) CENTRAL SIERRA FOOTHILLS, (CA-Z191) SOUTHERN SIERRA FOOTHILLS, (CA-Z192) CENTRAL SIERRA, (CA-Z193) NORTH KINGS RIVER, (CA-Z194) SEQUOIA KINGS, (CA-Z195) LAKE ISABELLA, (CA-Z196) TEHACHAPI AREA, (CA-Z197) FORT TEJON, (CA-Z198) INDIAN WELLS VALLEY, (CA-Z199) KERN COUNTY DESERT

07/01/21 00:00 PST	0	Drought
07/31/21 23:59 PST	0	

Nearly all of the central California Interior was classified as being in an exceptional drought by the end of July, 2021 due to a long term precipitation deficit. As of July 31, 2021, the impacted area has received less than 50% of normal precipitation since July 1, 2020.

(CA-Z179) WEST SIDE HILLS, (CA-Z180) SAN JOAQUIN CONFLUENCE, (CA-Z181) MERCED AND MADERA, (CA-Z182) WESTERN SAN JOAQUIN VALLEY, (CA-Z183) FOGGY BOTTOM, (CA-Z184) FRESNO, (CA-Z185) TULARE COUNTY, (CA-Z186) SOUTHERN KINGS COUNTY, (CA-Z187) WESTERN SAN JOAQUIN VALLEY IN KERN COUNTY, (CA-Z188) EASTERN SAN JOAQUIN VALLEY IN KERN COUNTY, (CA-Z189) BAKERSFIELD, (CA-Z198) INDIAN WELLS VALLEY, (CA-Z199) KERN COUNTY DESERT

07/07/21 10:00 PST	0	Excessive Heat
07/13/21 19:00 PST	0	

(CA-Z190) CENTRAL SIERRA FOOTHILLS, (CA-Z191) SOUTHERN SIERRA FOOTHILLS, (CA-Z192) CENTRAL SIERRA, (CA-Z193) NORTH KINGS RIVER, (CA-Z194) SEQUOIA KINGS, (CA-Z195) LAKE ISABELLA, (CA-Z196) TEHACHAPI AREA, (CA-Z197) FORT TEJON

07/09/21 10:00 PST	0	Heat
07/13/21 19:00 PST	0	

A large upper high pressure ridge built into central California between July 7 and July 9 and remained over the region through July 13 before shifting east and allowing for moderating temperatures across the area by July 14. This ridge was responsible for several days of near record heat across the area and resulted in the most significant hot spell across the area since the heat wave of July 16-27, 2006. The main saving grace; however, was that humidity was not as high as it was during the 2006 heat wave which lessened it's destructive impact.

MARIPOSA COUNTY --- 0.5 NNW CAMP CURRY [37.74, -119.57]

07/28/21 16:00 PST	0.15M	Thunderstorm Wind (EG 35 kt)
07/28/21 16:00 PST	0	Source: Park/Forest Service

A tree was blown down in gusty thunderstorm winds and crushed 3 unoccupied tent cabins at Curry Village in Yosemite National Park.

A moist southeast flow rotating around a large area of high pressure over the central plains region brought sub-tropical air into central California on July 27 and 28. This provided for enough moisture for afternoon and evening thunderstorms over the Sierra Nevada and adjacent foothills on both days. A few of the thunderstorms produced locally heavy rainfall over the Sierra Nevada, while a thunderstorm on the 28th produced strong outflow winds in Yosemite Valley blew down several drought killed or weakened trees.

FRESNO COUNTY --- 9.0 ESE MONO HOT SPGS [37.26, -118.88]

07/30/21 13:00 PST	1	0		Lightning
07/30/21 13:00 PST		0		Source: Law Enforcement

The Fresno County Sherrifs Office reported a 37 year old male hiker on the John Muir Trail near Muir Trail Ranch was struck by lightning and killed during a thunderstorm around 200 pm PDT on July 30.

Direct Fatalities: M37UT

Subtropical moisture continued to stream into central California on July 30. Once again, afternoon thunderstorms developed over the Sierra Nevada. One thunderstorm produced a fatal lightning strike over the Sierra Nevada during the early afternoon.