

## Storm Data and Unusual Weather Phenomena - June 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

06/01/21 00:00 PST	0	Drought
06/30/21 23:59 PST	0	

Nearly all of the central California Interior continued to be classified as being in an extreme or exceptional drought by the end of June, 2021 due to a long term precipitation deficit. As of June 30, 2021, most of 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

06/01/21 10:00 PST	0	Heat
06/04/21 19:00 PST	0	

The strong upper ridge which built inland into California during the Memorial Day holiday weekend remained in place over the region on June 1 and June 2 resulting in temperatures approaching record levels across the San Joaquin Valley, the West Side Hills and the southern Sierra foothills on June 1 and 2. Several stations across these areas had maximum temperatures exceeding the century mark on June 1 and June 2 prompting the continuation of Excessive Heat Warnings and the opening of cooling centers due to this event taking place early in the season. The near record heat continued in the Bakersfield area on June 3 and several stations in the Kern County Deserts had highs near 110 on June 2, June 3 and June 4. By June 5, the ridge had shifted east of the area allowing for daytime temperatures to cool slightly.

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06/15/21 10:00 PST	0	Excessive Heat
06/20/21 19:00 PST	0	

A large upper ridge which was centered over the four corners area built westward and strengthened over central California between June 15 and June 18 resulting in dangerously hot daytime temperatures becoming prevalent over the Kern County Deserts by June 15 and over the Lake Isabella and Tehachapi areas by June 17. The heat surged into the San Joaquin Valley, West Side Hills and Sierra foothills by June 19 as daytime highs were 110 Degrees F or higher at several locations. Temperatures cooled slightly on June 20 and more significantly on June 21 and 22 as the ridge shifted to the east of the area.

**TULARE COUNTY --- 2.8 W DELFT COLONY [36.52, -119.50], 2.8 W DELFT COLONY [36.52, -119.50]**

06/18/21 01:37 PST	1K	Thunderstorm Wind (EG 35 kt)
06/18/21 01:37 PST	0	Source: Law Enforcement

California Highway Patrol reported wind gusts from a thunderstorm blew down a tree across Ave 400 3E Kingsburg blocking all lanes.

**KERN COUNTY --- 1.3 WSW KERN CITY [35.34, -119.04], 1.3 WNW WIBLE ORCHARD [35.34, -119.04]**

06/18/21 01:50 PST	1K	Thunderstorm Wind (EG 35 kt)
06/18/21 01:50 PST	0	Source: Law Enforcement

California Highway Patrol reported a tree was blown down during a thunderstorm near the intersection of SR 99 and Ming Ave in Bakersfield.

A surge of tropical moisture pushed into central California from the south on June 17 and 18. This moisture moved into an unstable airmass as temperatures were much warmer than normal across the area. As a result, some thunderstorms broke out over the Kern County Mountains and Deserts and the Sierra Nevada during the afternoon of June 17; and over the San Joaquin Valley during the late evening of June 17 and early morning of June 18. While precipitation amounts were light (anywhere from trace amounts to a tenth of an inch), the thunderstorms produced some strong outflow gusts which resulted in some wind damage as trees that were weakened or killed by drought conditions were toppled by the strong wind gusts.

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06/27/21 10:00 PST	0	Heat
06/27/21 19:00 PST	0	

(CA-Z198) INDIAN WELLS VALLEY, (CA-Z199) KERN COUNTY DESERT

06/28/21 10:00 PST	0	Excessive Heat
06/29/21 19:00 PST	0	

A strengthening ridge along with an offshore flow pattern brought a short lived return of dangerous heat the area as much of the San Joaquin Valley exceeded 105 F on June 27 while portions of the Kern County Deserts exceeded 110 F. Increased clouds helped lower temperatures below dangerous level in the San Joaquin Valley on June 28, but high temperatures across the Kern County Deserts were 1-3 Degrees warmer than the previous day.

TUOLUMNE COUNTY --- 3.9 N ASPEN VLY [37.88, -119.36], 3.3 NNE ASPEN VLY [37.87, -119.35]

06/29/21 14:00 PST	1K	Heavy Rain
06/29/21 16:00 PST	0	Source: Trained Spotter

A thunderstorm produced heavy rain at Tuolumne Meadows with 1.25" measured at the ranger station between 1500 and 1700 PDT. The storm also produced pea sized hail and flooded some tents at the Tuolumne Meadows Campground.

FRESNO COUNTY --- 0.6 W PINE LOGGING CAMP [37.07, -119.18], 0.6 W PINE LOGGING CAMP [37.07, -119.18]

06/29/21 15:30 PST	0	Thunderstorm Wind (EG 52 kt)
06/29/21 15:30 PST	0	Source: Mesonet

The Upper Providence remote weather station estimated a wind gust of 60 mph from a thunderstorm.

A strong high pressure center over the Pacific Northwest pulled in moisture from the east which produced thunderstorms over the Sierra Nevada during the afternoon of June 29. Although the thunderstorms on the previous day were mainly dry with very little rainfall, the moisture surge the following day was deeper and as a result some of the thunderstorms produced locally heavy rainfall, damaging outflow winds and small hail during the afternoon and early evening hours of June 29.