

Storm Data and Unusual Weather Phenomena - September 2019

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

(CA-Z195) LAKE ISABELLA, (CA-Z196) TEHACHAPI AREA, (CA-Z198) INDIAN WELLS VALLEY

09/07/19 19:26 PST	0	High Wind (MAX 55 kt)
09/07/19 19:32 PST	0	

September 2019 began on the warm side as temperatures were well above normal on each of the first six days of the month due to persistent ridging over the Desert Southwest. Tropical moisture pushed northward into central California on the back side of the ridge during this period and provided for some afternoon and evening thunderstorms each day mainly impacting the mountains and Kern County Deserts each day between the 2nd and the 5th although there were no reports of flooding or damage from these storms. A cooling and drying trend took place on September 7 and 8 as an upper trough pushed through the region. This trough brought a period of increased winds to the area between the afternoon of September 7 through the morning of September 8. Wind advisories were issued for the San Joaquin Valley where several stations reported gusts between 35 and 40 mph and for the Tehachapi area and Kern County Deserts where several stations reported gusts exceeding 45 mph and a few low impact indicator sites had gusts around 60 mph. There were no reports of significant damage from this event however.

(CA-Z199) KERN COUNTY DESERT

09/10/19 20:20 PST	0	High Wind (MAX 52 kt)
09/10/19 20:20 PST	0	

The upper trough that brought a cooling trend to the area on September 7 and 8 was followed by another dry upper trough which pushed through the area on September 10 and brought a continuation of cooler than normal temperatures for a few more days along with another round of gusty winds to the area between the afternoon of September 10 and the early morning of September 11. Wind advisories were posted once again for the Tehachapi area and the Kern County Deserts as several stations reported wind gusts between 45 and 55 mph. The highest gust reported was a 60 mph gust at Mojave on the evening of the 10th.

(CA-Z195) LAKE ISABELLA, (CA-Z196) TEHACHAPI AREA

09/16/19 14:32 PST	0	High Wind (MAX 58 kt)
09/16/19 21:27 PST	0	

High pressure returned to the the regions between September 12 and 15 resulting in a return of above normal temperatures across the area. Another cool down took place between September 16 and 19 as two low pressure systems moved through the Pacific Northwest and Northern California. The first of these systems brought a period of increased winds to the Kern County Deserts and the Tehachapi and Lake Isabella areas on September 16. Wind Advisories were posted for these areas for the afternoon and evening hours and several stations reported wind gusts exceeding 45 mph while a few low impact indicator sites measured brief gusts above 60 mph.

(CA-Z195) LAKE ISABELLA, (CA-Z196) TEHACHAPI AREA

09/18/19 21:27 PST	0	High Wind (MAX 56 kt)
09/18/19 21:32 PST	0	

The low pressure system that moved to the north of our area on September 16 was followed by a secondary system on September 18. This system also pushed a cold front through the area during the evening hours and provided for a brief period of strong winds across the Kern County Deserts and the Tehachapi and Lake Isabella areas. Once again, several stations reported wind gusts exceeding 45 mph while a few low impact indicator sites measured brief gusts above 60 mph.

(CA-Z195) LAKE ISABELLA, (CA-Z196) TEHACHAPI AREA

09/28/19 04:27 PST	0	High Wind (MAX 62 kt)
09/28/19 14:14 PST	0	

Temperatures rose back up to above normal levels between September 22 and September 25 with some all time daily records being approached on the 25th. A cooling trend began on the 26th as a large low pressure system approached the Pacific Northwest. As the low moved inland on the 27th and 28th winds increased across the area with several stations in the Kern County Deserts and in the Tehachapi and Lake Isabella areas as well as across the west side of the San Joaquin Valley had gusts exceeding 40 mph. A few low impact indicator sites reported gusts exceeding 60 mph. A few light showers were noted over the higher elevations of the Sierra Nevada during the evening of the 28th as the main cold front pushed through the area. Some light snowfall was observed above 8000 feet in Yosemite National Park and Tioga Pass was closed for precautionary measures between 400 pm PDT on the 28th until the morning of the 30th. Temperatures also plunged to well below normal levels for the remainder of September.