

## Storm Data and Unusual Weather Phenomena - November 2019

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

#### (CA-Z196) TEHACHAPI AREA

	11/19/19 22:27 PST	0		High Wind (MAX 55 kt)
	11/19/19 22:27 PST	0		

The first 18 days of November were noted for being unusually dry across the area as a large area of dry high pressure dominated the weather picture. Temperatures were above normal across the area from November 3 onward. Finally a strong low pressure center approached the southern California coast on November 19 bringing increased winds to the area. Several locations along the west side hills of the San Joaquin Valley and the Kern County Mountains and Deserts reported wind gusts exceeding 30 mph. A few low impact indicator sites near Tehachapi and Lake Isabella briefly had gusts above 50 mph.

#### (CA-Z194) SEQUOIA KINGS, (CA-Z195) LAKE ISABELLA, (CA-Z197) FORT TEJON

	11/20/19 00:00 PST	0		Heavy Snow
	11/20/19 18:00 PST	0		

#### KERN COUNTY --- 1.8 N WHEELER RIDGE [35.03, -118.96], 1.9 NNW WHEELER RIDGE [35.03, -118.96], 1.1 NNW WHEELER RIDGE [35.02, -118.96], 1.1 NNW WHEELER RIDGE [35.02, -118.95]

	11/20/19 06:31 PST	0		Flash Flood (due to Heavy Rain)
	11/20/19 10:15 PST	0		Source: Law Enforcement

California Highway Patrol reported flash flooding on State Route 99 just north of the intersection with Interstate 5 near Wheeler Ridge. Mud and Debris blocked the northbound lanes and two of the southbound lanes resulting in State Route 99 being closed from the Interstate 5 intersection to Mettler until late morning.

The low pressure center which approached the California coast on November 19 moved inland across southern California on November 20. This system produced widespread precipitation across the area with the most significant precipitation impacting Kern and Tulare Counties. Flooding along State Route 99 in the Wheeler Ridge and Mettler areas resulted in the highway being closed for a period of time. The Grapevine and Frazier Park areas generally picked up between half and inch and an inch of liquid precipitation while many locations in the Tehachapi and Lake Isabella areas and the Kern County Deserts as well as the southern Sierra Nevada in Tulare County picked up between a quarter inch and a half inch of precipitation. The snow level was generally around 6000 feet, but briefly lowered to 5000 feet at times in heavier showers. Most locations in the mountains in Kern and Tulare Counties above 6000 feet picked up between 6 and 9 inches of snow while there were some locally higher accumulations around Pine Mountain Club. Further north, precipitation amounts were much lower with most locations picking up less than a tenth of an inch.

#### (CA-Z195) LAKE ISABELLA, (CA-Z196) TEHACHAPI AREA, (CA-Z198) INDIAN WELLS VALLEY, (CA-Z199) KERN COUNTY DESERT

	11/25/19 07:14 PST	75K		High Wind (MAX 72 kt)
	11/25/19 14:32 PST	0		

#### (CA-Z183) FOGGY BOTTOM, (CA-Z199) KERN COUNTY DESERT

	11/25/19 11:00 PST	0.10M		Dust Storm
	11/25/19 15:00 PST	0		

A low pressure system dropping southward through the Great Basin region pushed a strong cold front through central California which produced a period of very strong winds along with areas of blowing dust during the late morning and early afternoon hours of November 25. Several stations in the Kern County Deserts and in the Tehachapi and Lake Isabella areas measured gusts exceeding 50 mph while a few locations measured gusts exceeding 70 mph. The strong winds caused at least three semi trucks to be blown over near Mojave and briefly closed State Route 14 due to blowing dust reducing visibility to near zero. In addition, several stations in the San Joaquin Valley measured wind gusts between 35 and 50 mph and blowing dust resulted in a multi-vehicle collision near Caruthers along State Route 41. The winds decreased by early evening as colder air settled into the area.

#### (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 KERN COUNTY, (CA-Z188) EASTERN KERN COUNTY

	11/26/19 03:00 PST	0		Frost/Freeze
	11/26/19 08:00 PST	0		

The cold front that was responsible for the strong wind gusts and areas of blowing dust on November 25 brought a much colder air mass into the area. During the morning of November 26, diminished winds along with clear skies resulted in the first widespread freeze of the season across the San Joaquin Valley where several stations had low temperatures between 29 and 32 degrees F.

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<b>(CA-Z179) WEST SIDE HILLS, (CA-Z197) FORT TEJON</b>				
	11/26/19 23:13 PST		0	High Wind (MAX 56 kt)
	11/27/19 03:13 PST		0	
<b>(CA-Z190) CENTRAL 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-Z199) KERN COUNTY DESERT</b>				
	11/27/19 00:00 PST		0	Heavy Snow
	11/28/19 12:00 PST		0	
<b>TULARE COUNTY --- 3.9 WNW PATTERSON TRACT [36.40, -119.36]</b>				
	11/27/19 11:19 PST		0	Funnel Cloud
	11/27/19 11:24 PST		0	Source: Broadcast Media
Several photos and a video were posted of a cold air funnel cloud northeast of Goshen.				
<b>TULARE COUNTY --- DINUBA [36.53, -119.38]</b>				
	11/27/19 15:53 PST		0	Funnel Cloud
	11/27/19 15:58 PST		0	Source: Broadcast Media
Fresno Television Station reported a funnel cloud over Dinuba.				
<b>MERCED COUNTY --- EL NIDO [37.13, -120.50]</b>				
	11/28/19 13:35 PST		0	Funnel Cloud
	11/28/19 13:40 PST		0	Source: Social Media
Video posted on twitter showed a funnel cloud over El Nido.				
<p>A cold low pressure system dropped southeast out of the Gulf of Alaska on during the morning of November 26 and dropped southward to the Pacific Northwest coast by the afternoon of the 26th. The low continued to drop southward off the California coast during the morning of November 27 spreading widespread precipitation into central California which continued through the late morning of November 28 which being Thanksgiving Day the storm adversely impacted holiday travel as several major roads were impacted. As this system was a cold storm, snow levels were between 2000 and 2500 feet with widespread accumulating snow taking place across the southern Sierra foothills where many locations above 2500 feet picked up between 5 and 10 inches of snow and the Kern County Deserts where several which picked up between 3 and 8 inches at most locations. Much of the higher Sierra above 7000 feet picked up between 18 and 36 inches of new snow. Most of the San Joaquin Valley picked up between a quarter and half an inch of rain while a few locations which were impacted by thunderstorms picked up close to an inch of rainfall. The most noticeable impacts from this storm were closures of Interstate 5 between Grapevine and Tajon Pass and State Route 58 in the Tehachapi area due to heavy snowfall and several accidents. In addition to the widespread precipitation and low elevation snowfall, thunderstorms produced locally heavier rainfall and small hail across the San Joaquin Valley during the afternoon and early evenings of both days.</p>				
<b>(CA-Z194) SEQUOIA KINGS</b>				
	11/29/19 09:00 PST		0.10M	Strong Wind (MAX 43 kt)
	11/29/19 15:00 PST		0	
<b>(CA-Z196) TEHACHAPI AREA, (CA-Z198) INDIAN WELLS VALLEY</b>				
	11/29/19 09:14 PST		0	High Wind (MAX 56 kt)
	11/29/19 15:26 PST		0	
The cold low pressure system which brought widespread rain and lower elevations snow during the previous two days moved east of the area on November 29, but brisk northwest winds behind the departing system produced several gusts exceeding 40 mph in the Kern County Mountains and Deserts. A few low impact indicator sites measured gusts exceeding 60 mph.				
<b>(CA-Z197) FORT TEJON</b>				
	11/30/19 19:11 PST		0	High Wind (MAX 70 kt)
	11/30/19 19:11 PST		0	

While dry weather prevailed across the area for much of November 29 and the morning of November 30, another low pressure system approached California during the afternoon of the 30th. This produced strong southerly winds with frequent gusts exceeding 60 mph at the base of the Grapevine along Interstate 5 during the afternoon and evening hours.