

## Storm Data and Unusual Weather Phenomena - April 2018

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

**(CA-Z095) KERN CTY MTNS, (CA-Z097) TULARE CTY MTNS, (CA-Z098) INDIAN WELLS VLY, (CA-Z099) SE KERN CTY DESERT**

04/05/18 23:14 PST	0	High Wind (MAX 66 kt)
04/08/18 00:27 PST	0	

**MARIPOSA COUNTY --- 2.1 NE CATHEYS VLY [37.45, -120.07]**

04/07/18 02:30 PST	0	Heavy Rain
04/07/18 06:34 PST	0	Source: Public

Public report of 0.87 inches of rainfall in the previous 4 hours and 1.49 inches of rainfall in the previous 24 hours.

**MERCED COUNTY --- 0.4 N ARENA [37.38, -120.67], 0.3 N ARENA [37.37, -120.67], 0.3 NE ARENA [37.37, -120.67], 0.4 NNE ARENA [37.38, -120.67]**

04/07/18 06:00 PST	0	Flood (due to Heavy Rain)
04/07/18 09:00 PST	0	Source: Law Enforcement

California Highway Patrol reported the intersection of Liberty Ave. and Cressley Way was completely flooded.

**FRESNO COUNTY --- 1.7 SSE HUNTINGTON LAKE [37.21, -119.21], 2.2 SE HUNTINGTON LAKE [37.21, -119.20], 3.2 ESE BIG CREEK [37.18, -119.20], 2.6 ESE BIG CREEK [37.18, -119.21], 1.8 E BIG CREEK [37.20, -119.22]**

04/07/18 06:40 PST	0	Debris Flow
04/07/18 06:40 PST	0	Source: Law Enforcement

California Highway Patrol reported 3 separate rock slides on Tollhouse Rd. southeast of Huntington Lake.

**MARIPOSA COUNTY --- 4.3 ENE FORESTA [37.72, -119.68], 4.2 ENE FORESTA [37.72, -119.68], 4.8 E FORESTA [37.71, -119.66], 4.5 W GLACIER PT [37.72, -119.65], 4.6 WSW YOSEMITE VLG [37.72, -119.66], 4.8 ENE FORESTA [37.72, -119.67]**

04/07/18 06:41 PST	0	Flood (due to Heavy Rain / Snow Melt)
04/08/18 13:33 PST	0	Source: River/Stream Gage

The Merced River at Pohono Bridge exceeded it's food state of 10 feet between the morning of April 7 and the afternoon of April 8. It crested at 13.7 feet during the afternoon of April 7. The flooding closed Northside Drive and Southside Drive in Yosemite Valley which are the main roads in the valley .

April 2018 began with high pressure over the region which kept a dry airmass and much warmer than normal temperatures over the area. An upper trough off the Pacific Northwest coast pulled a deep plume of tropical moisture northward and brought periods of moderate to heavy precipitation to the area from the late evening of April 6 through the afternoon of April 7. This system was unusually warm for early April and snow levels were above 11000 feet for most of the duration of this event. Several stations over the higher elevations of the Southern Sierra Nevada measured between 2 and 3 inches of rain which resulted in accelerated snow melt and rapid runoff into the rivers over the higher elevations. River flooding was reported along the Merced River above New Exchequer Dam and several roads in Yosemite National Park were closed as a result. In addition there were reports of minor roadway flooding and rock slides in the Southern Sierra Foothills near Mariposa and over the higher Sierras south of Yosemite Park. Flooding was also reported in the Merced area and near Livingston during the morning of April 7. This storm also produced strong wind gusts over the Kern County Mountains and Deserts with several indicator sites reporting wind gusts above 60 mph.

**(CA-Z095) KERN CTY MTNS, (CA-Z097) TULARE CTY MTNS, (CA-Z098) INDIAN WELLS VLY, (CA-Z099) SE KERN CTY DESERT**

04/11/18 13:26 PST	0	High Wind (MAX 67 kt)
04/12/18 18:15 PST	0	

High pressure returned to the area on April 8 and kept dry conditions through the morning of the 10th. A weak low pressure system pushed through Central California during the afternoon and evening of the 10th and brought a few light showers as well as much cooler temperatures. Another low pressure system moved through Central California on the evening of April 11 through the morning of April 12. This system produced strong wind gusts across the Kern County Mountains and Deserts where several stations reported wind gusts exceeding 58 mph. In addition, several reporting station in the San Joaquin Valley had gusts exceeding 40 mph. Although this system was moisture deficient, showers produced some light precipitation during the morning of April 12 mainly over the Southern Sierra Nevada with light snowfall being observed above 7000 feet.

**MERCED COUNTY --- 1.5 NNE CREGAN [37.32, -120.47]**

04/16/18 11:21 PST	0	Heavy Rain
04/16/18 16:21 PST	0	Source: Trained Spotter

Spotter report of 0.65 inches of rainfall in a five hour period. Most of the rain was from an afternoon thunderstorm.

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**(CA-Z095) KERN CTY MTNS, (CA-Z097) TULARE CTY MTNS**

	04/16/18 14:10 PST		0	High Wind (MAX 57 kt)
	04/16/18 17:27 PST		0	

A cold upper level trough moved through California on April 16 bringing light precipitation to Central California by early morning. A cold and very unstable airmass pushed into the area by the early afternoon hours. As a result, showers and thunderstorms developed over the San Joaquin Valley and Southern Sierra Foothills. Due to the showery nature of the precipitation, rainfall amounts varied; but generally ranged from a tenth of an inch to half an inch of rain in these areas. There were several reports of small hail and brief heavy rainfall. Higher elevations in the Southern Sierra Nevada picked up between 4 and 8 inches of new snowfall although portions of Yosemite National Park did pick up a bit more with Tuolumne Meadows measuring 14 inches of snow snowfall. Up to an inch of snow fell over the Kern County Mountains above 5000 feet while a few indicator sites measured brief wind gusts above 60 mph. The trough moved east of the area by the morning of April 17 with drier air building in behind it.

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**(CA-Z095) KERN CTY MTNS, (CA-Z099) SE KERN CTY DESERT**

	04/19/18 07:27 PST		50K	High Wind (MAX 65 kt)
	04/19/18 16:20 PST	1	0	

An upper low pressure system crossed Northern California on April 19. This system was moisture deficient and produced only scattered light showers. However, it did produce strong winds in the Kern County Mountains and Deserts. Several locations measured wind gusts above 45 mph while gusts above 60 mph were reported in the Mojave area. A tractor trailer was blown over at the intersection of SR 58 and SR 14 north of Mojave which was closed for a few hours during the afternoon.

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**(CA-Z095) KERN CTY MTNS, (CA-Z098) INDIAN WELLS VLY, (CA-Z099) SE KERN CTY DESERT**

	04/29/18 01:27 PST		50K	High Wind (MAX 70 kt)
	04/29/18 21:15 PST		0	

High pressure brought dry conditions and much above normal temperatures to the area between April 21 and April 26. Some all time record highs were broken across the area on the 23rd and 24th. An upper trough then pushed into the Pacific Northwest on April 27 with several impulses associated with this system crossing Northern California on the April 28 through April 30 bringing much cooler temperatures and increased winds to the area. On the evening of the 29th through the early morning of the 30th, strong wind gusts impacted the Kern County Mountains and Deserts where there were several reports of wind gusts exceeding 60 mph. A tractor trailer was blown over on its side near Mojave forcing another shutdown of SR 58. The strong winds finally subsided by the morning of April 30.