

## Storm Data and Unusual Weather Phenomena - June 2019

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

<b>FRESNO COUNTY --- 2.2 NE PIEDRA [36.84, -119.35], 3.0 E KINGSBURG [36.52, -119.50], 1.7 ESE KINGSBURG [36.51, -119.52], 1.5 NNW LACJAC [36.64, -119.48], 3.0 SE SANGER [36.67, -119.54], 1.9 NNE PIEDRA [36.84, -119.36]</b>				
	06/01/19 00:00 PST		0	Flood (due to Planned Dam Release)
	06/19/19 23:00 PST		0	Source: Emergency Manager

Fresno and Tulare County Emergency Managers reported flooding along the Kings River downstream from Pine Flat Dam as a result of increased releases prompted by increased runoff from snow melt and recent rainfall.

<b>TULARE COUNTY --- 3.0 W DELFT COLONY [36.52, -119.50], 3.1 WSW DELFT COLONY [36.51, -119.50], 2.9 WSW DELFT COLONY [36.51, -119.50], 2.9 W DELFT COLONY [36.52, -119.50]</b>				
	06/01/19 00:00 PST		0	Flood (due to Planned Dam Release)
	06/19/19 23:00 PST		0	Source: Emergency Manager

Fresno and Tulare County Emergency Managers reported flooding along the Kings River downstream from Pine Flat Dam as a result of increased releases prompted by increased runoff from snow melt and recent rainfall.

**Because of continued increased releases at Pine Flat Dam. Runoff continued to produce flooding at Lindy's Landing campground near Reedley, and the Kings River Golf and Country Club near Kingsburg well into June. The releases were cut back during the middle of the month and the flood waters receded by the evening of June 19.**

<b>KERN COUNTY --- 1.3 NW MOJAVE [35.06, -118.19], 1.3 NW MOJAVE [35.06, -118.19], 1.3 NW MOJAVE [35.06, -118.19], 1.2 NW MOJAVE [35.06, -118.19]</b>				
	06/01/19 17:21 PST		0	Flash Flood (due to Heavy Rain)
	06/01/19 19:21 PST		0	Source: Law Enforcement

California Highway Patrol reported water and debris across the roadway near Mojave West Park. A nearby weather stations measured 0.52 inches of rain in 20 minutes.

<b>KERN COUNTY --- 1.5 WNW MOJAVE [35.06, -118.19], 1.5 WNW MOJAVE [35.06, -118.19], 1.4 NW MOJAVE [35.06, -118.19], 1.4 WNW MOJAVE [35.06, -118.19]</b>				
	06/01/19 17:35 PST		0	Flash Flood (due to Heavy Rain)
	06/01/19 19:35 PST		0	Source: Law Enforcement

California Highway Patrol reported the roadway flooded with lots of debris in the roadway. A nearby weather station measured 0.59 inches of rainfall in 20 minutes.

<b>KINGS COUNTY --- 0.3 NW KETTLEMAN CITY [36.00, -119.97], 5.8 NE AVENAL [36.06, -120.06], 4.5 NE AVENAL [36.04, -120.07], 1.3 WSW KETTLEMAN CITY [36.00, -119.99]</b>				
	06/01/19 19:25 PST		0	Flash Flood (due to Heavy Rain)
	06/01/19 21:25 PST		0	Source: Law Enforcement

California Highway Patrol reported very heavy rain flooding both northbound and southbound I-5 between Kettleman City and Avenal. CHP was pacing traffic in both directions following a brief closure.

**An upper level low pressure system dropped slowly southward over central California on May 31. While widespread showers and thunderstorms developed that afternoon over the Sierra Nevada range and adjacent foothills as well as the west side hills of the San Joaquin Valley, no significant flooding took place and thunderstorms remained below severe limits. However, as the low moved south into southern California on June 1 and spread wrap around moisture into the area, slow moving thunderstorms developed during the afternoon and evening hours. One slow moving cell produced flash flooding in the Mojave area and another thunderstorm produced flash flooding near Kettleman City in western Kings County. Both episodes resulted in some brief road closures. Several reports of hail between a quarter and a half inch in diameter and rainfall reports of up to half an inch of rain were observed with the stronger thunderstorms.**

<b>KERN COUNTY --- 0.9 SE BODFISH [35.59, -118.49]</b>				
	06/02/19 12:45 PST		0	Heavy Rain
	06/02/19 13:40 PST		0	Source: Trained Spotter

A spotter in Bodfish measured 1.75 inches of rain in 55 minutes. Water was running down rain gutters. No flooding was observed.

### KERN COUNTY --- 0.9 SE BODFISH [35.59, -118.49]

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	06/02/19 13:12 PST		0	Hail (0.75 in)
	06/02/19 13:12 PST		0	Source: Trained Spotter
A spotter reported dime sized hail in Bodfish.				
<b>MARIPOSA COUNTY --- 1.4 NNW CHINQUAPIN [37.67, -119.71], 1.5 NNW CHINQUAPIN [37.67, -119.71], 2.3 ESE FORESTA [37.68, -119.71], 2.6 ESE FORESTA [37.69, -119.70], 2.8 N CHINQUAPIN [37.69, -119.70]</b>				
	06/02/19 14:30 PST		0	Debris Flow
	06/02/19 16:30 PST		0	Source: Park/Forest Service
Yosemite National Park rangers reported a mudslide across State Route 41 between Avalanche Creek and Grouse Creek.				
<b>KERN COUNTY --- 5.0 WSW BENA [35.32, -118.76], 5.2 WSW BENA [35.32, -118.76]</b>				
	06/02/19 16:19 PST		0	Tornado (EF0, L: 0.20 mi , W: 50 yd)
	06/02/19 16:22 PST		0	Source: Public
A small EF0 tornado touched down in a rural area east of Bakersfield and northeast of Lamont. The tornado tracked southwestward for around 300 yards.				
<b>FRESNO COUNTY --- 0.5 SE COALINGA [36.14, -120.36], 1.1 SSE COALINGA [36.14, -120.36], 1.3 SE COALINGA [36.14, -120.35], 1.0 ESE COALINGA [36.14, -120.35]</b>				
	06/02/19 17:30 PST		0	Flash Flood (due to Heavy Rain)
	06/02/19 23:30 PST		0	Source: Fire Department/Rescue
Coalinga Fire Department reported all major streets in downtown Coalinga were completely flooded with several structures damaged by water after a thunderstorm dropped 1.36 inches of rainfall in one hour and 15 minutes.				
An upper level low pressure system remained nearly stationary over southern California and continued to spread wrap around moisture into the area. This resulted in another afternoon of showers and thunderstorms on June 2. One cell produced a tornado east of Bakersfield while several others produced heavy rainfall and small hail. A slow moving thunderstorm produced flash flooding in downtown Coalinga which damaged several structures. The low moved east on June 3 and 4 which resulted in less moisture spreading into the area and fewer thunderstorms on the following afternoons.				
<b>(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, (CA-Z189) BAKERSFIELD</b>				
	06/05/19 11:00 PST		0	Heat
	06/05/19 19:00 PST		0	
Following a period of much below normal temperatures and frequent rainfall during the second half of May as an unseasonably cool airmass prevailed over the area, temperatures rose to above seasonal levels by early June. High pressure strengthened over the area on June 5 resulting in the first day of widespread triple digit heat prompting the first Heat Advisory of the season for much of the San Joaquin Valley.				
<b>MARIPOSA COUNTY --- 4.1 ENE FORESTA [37.72, -119.68], 4.8 ENE FORESTA [37.71, -119.66], 4.3 W GLACIER PT [37.72, -119.65], 4.4 WSW YOSEMITE VLG [37.72, -119.65], 5.0 WSW YOSEMITE VLG [37.72, -119.66], 4.4 ENE FORESTA [37.72, -119.67]</b>				
	06/06/19 00:00 PST		0	Flood (due to Heavy Rain / Snow Melt)
	06/07/19 04:00 PST		0	Source: River/Stream Gage
The Merced River at Pohono Bridge reached it's flood stage at 10 feet for around 6 hours between 1 am PDT on June 6 and 700 am PDT on June 6 and again for around 6 hours between 11 pm PDT on June 6 and 500 am PDT on June 7. The river crested at 10.13 feet at 500 am PDT on June 6.				
The Merced River at Pohono Bridge reached it's flood stage of 10 feet during the nights following June 5 and and June 6 following a few days with much warmer than normal temperatures which resulted in increased snow melt runoff.				
<b>(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, (CA-Z189) BAKERSFIELD</b>				
	06/10/19 11:00 PST		0	Excessive Heat
	06/12/19 19:00 PST		0	
A large area of high pressure prevailed over California between June 10 and June 12 which resulted in much warmer than normal temperatures across the area during the period. High temperatures generally ranged between 102 and 107 degrees each day across much of the San Joaquin Valley prompting the first Excessive Heat Warning of the season. As a result of the heat, emergency cooling centers were opened each afternoon in several municipalities in the San Joaquin Valley during this period.				

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<b>(CA-Z196) TEHACHAPI AREA, (CA-Z198) INDIAN WELLS VALLEY</b>				
	06/20/19 17:27 PST		0	High Wind (MAX 57 kt)
	06/20/19 22:26 PST		0	

A strong upper trough moved through the northern Rockies regions and the northern Great Basin on June 20 and 21. This produced a strong pressure gradient over central California resulting in a period of increased winds in the Kern County Deserts as well as in the Tehachapi and Lake Isabella areas between the afternoon of June and the early morning hours of June 21. Several stations reported wind gusts exceeding 45 mph while a few low impact indicator sites measured gusts exceeding 60 mph.