

## Storm Data and Unusual Weather Phenomena - March 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>CALIFORNIA, South Central</b>				
<b>FRESNO COUNTY --- 3.5 SW CROMIR [36.76, -120.46], 3.5 SW CROMIR [36.76, -120.46]</b>				
	03/02/19 12:05 PST		0	Funnel Cloud
	03/02/19 12:10 PST		0	Source: Social Media
A funnel cloud was spotted 5 miles west of Mendota and was shared on Twitter and on media.				
<b>FRESNO COUNTY --- 0.9 NW MENDOTA [36.76, -120.39], 0.9 NW MENDOTA [36.76, -120.39]</b>				
	03/02/19 12:15 PST		20K	Tornado (EF0, L: 0.17 mi , W: 10 yd)
	03/02/19 12:20 PST		0	Source: NWS Storm Survey
NWS Storm Survey determined an EF0 tornado estimated at 70 mph with a path length of 300 yards and a width of 10 yards damaged three roofs between Valenzuela St. and the corner of San Pedro St. and Oxnard St. The time was confirmed from residents videos shared with NWS.				
<b>MADERA COUNTY --- 2.8 ENE KISMET [37.06, -120.03], 2.9 E KISMET [37.05, -120.03]</b>				
	03/02/19 13:25 PST		10K	Thunderstorm Wind (EG 48 kt)
	03/02/19 13:25 PST		0	Source: Social Media
Several social media reports and images of several downed trees and broken branches at Road 28 just north of Ave. 21 1/2.				
<b>FRESNO COUNTY --- 0.9 NE FRIANT [36.99, -119.71], 0.9 NNE FRIANT [36.99, -119.71], 0.8 NNE FRIANT [36.99, -119.71], 0.8 NE FRIANT [36.99, -119.71]</b>				
	03/02/19 14:17 PST		0	Flood (due to Heavy Rain)
	03/02/19 16:17 PST		0	Source: Public
California Highway Patrol reported roadway flooding on North Friant Rd. at the intersection of North Fork Rd.				
<b>FRESNO COUNTY --- 1.3 ENE SANGER [36.71, -119.55], 0.7 N SANGER [36.71, -119.57], 0.2 N SANGER [36.70, -119.57], 1.3 E SANGER [36.70, -119.55]</b>				
	03/02/19 15:15 PST		0	Flood (due to Heavy Rain)
	03/02/19 17:45 PST		0	Source: Trained Spotter
A trained spotter in Sanger measured 1.5 inches of rainfall between 1415 PST AND 1545 PST and reported extensive roadway flooding in Sanger.				
<b>FRESNO COUNTY --- 2.4 ENE BELMONT AVENUE [36.78, -119.41], 1.8 SSW PIEDRA [36.80, -119.39], 1.7 SW PIEDRA [36.80, -119.40], 2.1 ENE BELMONT AVENUE [36.78, -119.41]</b>				
	03/02/19 15:40 PST		0	Debris Flow
	03/02/19 17:40 PST		0	Source: Law Enforcement
California Highway Patrol reported small trees and debris going across North Piedra Rd and Avocado Lake Park Dr. at 1540 PST.				
<b>FRESNO COUNTY --- 1.8 WNW CENTERVILLE [36.74, -119.53], 1.8 WNW CENTERVILLE [36.74, -119.53], 1.6 WNW CENTERVILLE [36.74, -119.53], 1.6 WNW CENTERVILLE [36.74, -119.53]</b>				
	03/02/19 15:58 PST		0	Flood (due to Heavy Rain)
	03/02/19 17:58 PST		0	Source: Law Enforcement
California Highway Patrol reported roadway flooding at the intersection of State Route 180 and Newmark Ave. in Sanger.				
<b>MARIPOSA COUNTY --- 0.5 SSE MORMON BAR [37.46, -119.95], 0.6 SSE MORMON BAR [37.46, -119.95], 0.6 SSE MORMON BAR [37.46, -119.95], 0.6 SSE MORMON BAR [37.46, -119.95]</b>				
	03/02/19 16:08 PST		0	Flood (due to Heavy Rain)
	03/02/19 19:08 PST		0	Source: Law Enforcement
California Highway Patrol reported water over the roadway at the intersection of Mormon Bar Crossing and Ben Hur Rd. in Mariposa.				
<b>MARIPOSA COUNTY --- 0.2 ENE BRICEBURG [37.60, -119.97], 0.7 E BRICEBURG [37.60, -119.96], 1.3 SE BRICEBURG [37.58, -119.96], 1.1 S BRICEBURG [37.58, -119.97]</b>				
	03/02/19 16:18 PST		0	Debris Flow
	03/02/19 20:18 PST		0	Source: Law Enforcement
California Highway Patrol reported mud, rocks and dirt on State Route 140 at Ferguson Slide Bridge near Briceburg at 1618 PST.				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>TULARE COUNTY --- 1.2 WSW CAMP NELSON [36.14, -118.64], 1.3 WSW CAMP NELSON [36.14, -118.64], 1.1 SW CAMP NELSON [36.14, -118.63], 0.9 SW CAMP NELSON [36.14, -118.63]</b>				
	03/02/19 16:49 PST		0	Debris Flow
	03/02/19 18:49 PST		0	Source: Law Enforcement
California Highway Patrol reported rocks and boulders on State Route 190 near Pier Point. Water was also flowing across the roadway.				
<b>TULARE COUNTY --- 2.9 E KAWEAH [36.47, -118.87], 3.0 NE THREE RIVERS [36.46, -118.87], 3.3 NE THREE RIVERS [36.46, -118.86], 3.3 E KAWEAH [36.47, -118.86]</b>				
	03/02/19 19:04 PST		0	Debris Flow
	03/02/19 21:04 PST		0	Source: Law Enforcement
California Highway Patrol reported tree limbs, boulders and other debris in the roadway on State Route 198 in front of the Totem Market in Three Rivers.				
<b>FRESNO COUNTY --- 2.5 N CENTERVILLE [36.77, -119.49], 2.1 N CENTERVILLE [36.76, -119.49], 2.1 NNE CENTERVILLE [36.76, -119.49], 2.3 W BELMONT AVENUE [36.77, -119.49]</b>				
	03/02/19 21:29 PST		0	Debris Flow
	03/02/19 23:29 PST		0	Source: Law Enforcement
California Highway Patrol reported a mudslide across the entire roadway on MacDonough Ave. northeast of Sanger.				
<p><b>A strong Pacific storm system moved through central California on March 2. Light precipitation began ahead of the storm during the evening of March 1 then became moderate to locally heavy during the morning of March 2. As a cold front pushed through the area during the late morning and early afternoon hours, thunderstorms developed in the cooler post-frontal airmass producing areas of flooding as well as a small tornado near Mendota which caused minor roof damage to a few homes. Between 1 and 3 inches of liquid precipitation fell across most of the Southern Sierra Nevada. Snow levels were above 8000 feet for much of the event, but lowered to around 5000 feet behind the cold front on Tuesday afternoon. Much of the San Joaquin Valley and Kern County Mountains picked up half an inch to an inch of rain and the Kern County Deserts generally picked up between a tenth to a half an inch of rainfall. The storm moved east of the area by the morning of March 3.</b></p>				
<b>KERN COUNTY --- 1.1 NE VENOLA [35.33, -119.04], 1.1 NE VENOLA [35.33, -119.04], 1.0 NE VENOLA [35.33, -119.04], 1.0 NE VENOLA [35.33, -119.04]</b>				
	03/05/19 21:10 PST		0	Flood (due to Heavy Rain)
	03/06/19 14:00 PST		0	Source: Law Enforcement
California Highway Patrol reported flooding on one lane of northbound State Route 99 at Wilson Rd. in Bakersfield.				
<b>KERN COUNTY --- 0.3 SE DEMOCRAT SPGS [35.53, -118.67], 0.5 SE DEMOCRAT SPGS [35.52, -118.66], 1.4 E DEMOCRAT SPGS [35.53, -118.65], 1.4 E DEMOCRAT SPGS [35.53, -118.65]</b>				
	03/05/19 23:27 PST		0	Debris Flow
	03/08/19 12:00 PST		0	Source: Law Enforcement
California Highway Patrol reported a large boulders in both lanes blocking State Route 178 at Democrat Blvd.				
<b>KERN COUNTY --- 0.3 SSW LAMONT [35.27, -118.92], 0.5 SSW LAMONT [35.26, -118.92], 0.5 S LAMONT [35.26, -118.92], 0.3 SSW LAMONT [35.27, -118.92]</b>				
	03/06/19 00:50 PST		0	Flood (due to Heavy Rain)
	03/06/19 14:00 PST		0	Source: Law Enforcement
California Highway Patrol reported roadway flooding on San Emideo St. in Lamont.				
<b>KERN COUNTY --- 1.0 SE OILDALE [35.41, -119.02], 1.0 SE OILDALE [35.41, -119.02], 1.0 SE OILDALE [35.41, -119.02], 1.0 SE OILDALE [35.41, -119.02]</b>				
	03/06/19 02:29 PST		0	Flood (due to Heavy Rain)
	03/06/19 14:00 PST		0	Source: Law Enforcement
California Highway Patrol reported roadway flooding at the intersection of Roberts Ln. and Hart St. in Bakersfield.				
<b>KERN COUNTY --- 3.2 NNW LEBEC [34.87, -118.89], 3.3 SSE GRAPE VINE [34.88, -118.90], 3.3 SSE GRAPE VINE [34.88, -118.89], 3.2 NNW LEBEC [34.87, -118.89]</b>				
	03/06/19 02:59 PST		0	Debris Flow
	03/06/19 08:00 PST		0	Source: Law Enforcement

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
California Highway Patrol reported rocks in the traffic lanes if Interstate 5 at the intersection of Fort Tejon Rd. near Lebec.				
<b>KERN COUNTY --- 1.5 WSW GARLOCK [35.39, -117.80], 0.9 WSW GARLOCK [35.40, -117.79], 0.9 WSW GARLOCK [35.39, -117.79], 1.3 WSW GARLOCK [35.39, -117.80]</b>				
	03/06/19 03:02 PST		0	Debris Flow
	03/07/19 12:00 PST		0	Source: Law Enforcement
California Highway Patrol reported about a foot of water, mud and debris covering the roadway at the intersection of Redrock-Randsburg Rd. and Garlock Rd.				
<b>KERN COUNTY --- 0.3 NE KERNVILLE [35.75, -118.43], 0.4 NE KERNVILLE [35.75, -118.43], 0.4 NE KERNVILLE [35.75, -118.42], 0.4 ENE KERNVILLE [35.75, -118.42]</b>				
	03/06/19 03:32 PST		0	Debris Flow
	03/07/19 12:00 PST		0	Source: Law Enforcement
California Highway Patrol reported a rock slide in the area of Burlando Rd. and Kernville Rd. in Kernville.				
<b>KERN COUNTY --- 0.2 SE KERNVALE [35.62, -118.48], 0.2 SSE KERNVALE [35.62, -118.48], 0.3 SE KERNVALE [35.62, -118.48], 0.2 ESE KERNVALE [35.62, -118.48]</b>				
	03/06/19 03:53 PST		0	Flood (due to Heavy Rain)
	03/06/19 14:00 PST		0	Source: Law Enforcement
California Highway Patrol reported roadway flooding on Lake Isabella Blvd. northeast of Erskine Creek Rd.				
<b>KERN COUNTY --- 0.9 NW TEHACHAPI MTN VLY AP [35.11, -118.43], 0.8 NNW TEHACHAPI MTN VLY AP [35.11, -118.42], 0.6 NNW TEHACHAPI MTN VLY AP [35.11, -118.42], 0.8 NW TEHACHAPI MTN VLY AP [35.11, -118.43]</b>				
	03/06/19 04:35 PST		0	Flood (due to Heavy Rain)
	03/06/19 14:00 PST		0	Source: Law Enforcement
California Highway Patrol reported approximately four inches of water across Highline Rd. between Turf St. and South Dennison Rd. in Tehachapi.				
<b>KERN COUNTY --- 0.2 WSW BLACKWELLS CORNER [35.62, -119.87], 0.8 S BLACKWELLS CORNER [35.61, -119.87], 0.7 SSE BLACKWELLS CORNER [35.61, -119.86], 0.3 ESE BLACKWELLS CORNER [35.62, -119.86]</b>				
	03/06/19 05:27 PST		0	Flood (due to Heavy Rain)
	03/06/19 14:00 PST		0	Source: Law Enforcement
California Highway Patrol reported three vehicles stuck in water and unable to move near the intersection of State Route 33 and State Route 46.				
<b>KERN COUNTY --- 0.9 SW (BFL)MEADOWS FIELD AP [35.42, -119.06], 0.9 SW (BFL)MEADOWS FIELD AP [35.42, -119.06], 0.9 SW (BFL)MEADOWS FIELD AP [35.42, -119.06], 0.8 SW (BFL)MEADOWS FIELD AP [35.42, -119.06]</b>				
	03/06/19 05:37 PST		0	Flood (due to Heavy Rain)
	03/06/19 14:00 PST		0	Source: Law Enforcement
California Highway Patrol reported roadway flooding on Norris Rd. near the intersection of Knudsen Dr.				
<b>KERN COUNTY --- 10.1 E ONYX [35.67, -118.05], 10.7 E ONYX [35.68, -118.04], 10.8 W INYOKERN AIRPORT [35.66, -118.02], 11.1 W INYOKERN AIRPORT [35.66, -118.03]</b>				
	03/06/19 05:46 PST		0	Debris Flow
	03/06/19 11:46 PST		0	Source: Law Enforcement
California Highway Patrol reported a rock slide covering the traffic lanes on State Route 178 at Walker Pass.				
<b>KERN COUNTY --- 10.0 SE TAFT [35.03, -119.35], 2.7 WSW PENTLAND [35.03, -119.36], 2.2 WSW PENTLAND [35.04, -119.36], 2.0 WSW PENTLAND [35.04, -119.35]</b>				
	03/06/19 06:11 PST		0	Debris Flow
	03/06/19 09:11 PST		0	Source: Insurance Company
California Highway Patrol reported a large amount of water and mud across the roadway on Western Minerals Rd. near Hazelton.				
<b>KERN COUNTY --- 2.3 SSE CHEROKEE STRIP [35.44, -119.25], 2.3 SSE CHEROKEE STRIP [35.44, -119.25], 2.2 SSE CHEROKEE STRIP [35.44, -119.25], 2.2 SSE CHEROKEE STRIP [35.44, -119.25]</b>				

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	03/06/19 06:28 PST		0	Flood (due to Heavy Rain)
	03/06/19 14:00 PST		0	Source: Law Enforcement

California Highway Patrol reported roadway flooding at the intersection of 7th Standard Rd. and State Route 43 in Shafter.

**KERN COUNTY --- 0.8 NNW ALTA SIERRA [35.74, -118.56], 1.5 NNW ALTA SIERRA [35.75, -118.56], 1.7 NNW ALTA SIERRA [35.75, -118.56], 1.1 N ALTA SIERRA [35.75, -118.55]**

	03/06/19 06:54 PST		0	Debris Flow
	03/08/19 12:00 PST		0	Source: Law Enforcement

California Highway Patrol reported a rock slide on State Route 155 between Aldercreek Campground and Greenhorn Summit.

**KERN COUNTY --- 4.6 SSE WELDON [35.61, -118.24], 4.7 SSE WELDON [35.61, -118.24], 4.5 SSE WELDON [35.61, -118.24], 4.4 SSE WELDON [35.61, -118.25]**

	03/06/19 07:09 PST		0	Flood (due to Heavy Rain)
	03/06/19 14:00 PST		0	Source: Law Enforcement

California Highway Patrol reported roadway flooding at the intersection of Kelso Creek Rd. and Kelso Valley Rd. south of Weldon.

**KERN COUNTY --- 0.6 W OLD RIVER [35.27, -119.13], 0.7 SW OLD RIVER [35.26, -119.13], 1.5 WSW OLD RIVER [35.26, -119.15], 1.4 W OLD RIVER [35.27, -119.14]**

	03/06/19 07:12 PST		0	Flood (due to Heavy Rain)
	03/06/19 14:00 PST		0	Source: Law Enforcement

California Highway Patrol reported the westbound lane of State Route 119 flooded for two miles west of the intersection of Buena Vista Rd.

**KERN COUNTY --- 0.9 SW KERVALE [35.61, -118.49], 0.9 NNE BODFISH [35.61, -118.49], 0.5 WSW KERVALE [35.62, -118.49], 0.4 SW KERVALE [35.62, -118.48]**

	03/06/19 07:24 PST		10K	Flash Flood (due to Heavy Rain)
	03/06/19 11:00 PST		0	Source: Law Enforcement

California Highway Patrol reported southbound State Route 178 was completely washed out south of the Elizabeth Norris Blvd. intersection.

**KERN COUNTY --- 1.3 SSE HAVILAH [35.50, -118.51], 1.1 SSW HAVILAH [35.51, -118.53], 0.4 NNW HAVILAH [35.52, -118.52], 0.9 ENE HAVILAH [35.52, -118.50]**

	03/06/19 07:24 PST		50K	Flash Flood (due to Heavy Rain)
	03/06/19 11:00 PST		0	Source: Law Enforcement

California Highway Patrol reported several roads were completely washed out by heavy rainfall in Havilah.

**KERN COUNTY --- 0.7 NNE PENTLAND [35.06, -119.32], 0.5 NNE PENTLAND [35.06, -119.32], 0.8 S MARICOPA [35.06, -119.40], 0.8 S MARICOPA [35.06, -119.40]**

	03/06/19 07:48 PST		0	Flood (due to Heavy Rain)
	03/06/19 14:00 PST		0	Source: Law Enforcement

California Highway Patrol reported State Route 166 was closed from Basic School Rd. to State Route 33 in Maricopa due to flooding.

**KERN COUNTY --- 0.5 SE BODFISH [35.60, -118.49], 0.6 SE BODFISH [35.59, -118.49], 0.6 ESE BODFISH [35.60, -118.49], 0.5 ESE BODFISH [35.60, -118.49]**

	03/06/19 07:51 PST		0	Debris Flow
	03/06/19 14:00 PST		0	Source: Law Enforcement

California Highway Patrol reported roadway flooded with water, debris and trees at the intersection of Bodfish Canyon Rd. and Lake Isabella Blvd.

**KERN COUNTY --- 2.3 SW GLENNVILLE [35.71, -118.73], 1.9 WSW GLENNVILLE [35.72, -118.73], 1.4 W GLENNVILLE [35.73, -118.72], 1.5 SW GLENNVILLE [35.72, -118.72]**

	03/06/19 08:01 PST		0	Debris Flow
	03/06/19 14:00 PST		0	Source: Law Enforcement

California Highway Patrol reported State Route 155 and Granite Rd. in Glennville closed due to a mudslide and rock slide in the area.

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<b>KERN COUNTY --- 0.9 SSW KERVALE [35.61, -118.48], 0.9 SSW KERVALE [35.61, -118.48], 0.7 SSW KERVALE [35.61, -118.48], 0.7 S KERVALE [35.61, -118.48]</b>				
	03/06/19 08:04 PST		0	Debris Flow
	03/06/19 11:00 PST		0	Source: Law Enforcement
California Highway Patrol reported Lake Isabella Blvd. completely flooded with water and mud near Elizabeth Norris Rd.				
<b>KERN COUNTY --- 4.3 SW CLARAVILLE [35.38, -118.41], 4.3 SW CLARAVILLE [35.38, -118.41], 4.3 SW CLARAVILLE [35.38, -118.41], 4.3 SW CLARAVILLE [35.38, -118.41]</b>				
	03/06/19 08:07 PST		0	Flood (due to Heavy Rain)
	03/06/19 14:00 PST		0	Source: County Official
The Kern County superintendent of schools reported roadway flooding on Walker Basin Rd. and Caliente Creek Rd.				
<b>TULARE COUNTY --- 1.1 E EAST POTERVILLE [36.07, -118.98], 0.8 E EAST POTERVILLE [36.07, -118.99], 0.8 E EAST POTERVILLE [36.07, -118.99], 1.1 E EAST POTERVILLE [36.07, -118.98]</b>				
	03/06/19 08:26 PST		0	Flood (due to Heavy Rain)
	03/06/19 14:00 PST		0	Source: Law Enforcement
California Highway Patrol reported roadway flooding on East Putnam Ave. in Porterville.				
<b>KERN COUNTY --- 1.1 NNW WOFFORD HGTS [35.71, -118.46], 1.1 NNW WOFFORD HGTS [35.71, -118.46], 0.9 NNW WOFFORD HGTS [35.71, -118.46], 0.9 NW WOFFORD HGTS [35.71, -118.46]</b>				
	03/06/19 08:34 PST		0	Debris Flow
	03/08/19 12:00 PST		0	Source: Law Enforcement
California Highway Patrol reported a creek over flowing across Sierra Vista Dr. in Wofford Heights and a mudslide was completely covering propane tanks.				
<b>KERN COUNTY --- 2.2 SSE CHEROKEE STRIP [35.44, -119.25], 2.2 SSE CHEROKEE STRIP [35.44, -119.26], 2.1 SSE CHEROKEE STRIP [35.44, -119.25], 2.1 SSE CHEROKEE STRIP [35.44, -119.25]</b>				
	03/06/19 08:53 PST		0	Flood (due to Heavy Rain)
	03/06/19 14:00 PST		0	Source: Law Enforcement
California Highway Patrol reported the intersection of 7th Standard Rd. and Creek Rd. was completely flooded.				
<b>KERN COUNTY --- 0.6 ESE (BFL)MEADOWS FIELD AP [35.43, -119.04], 0.6 ESE (BFL)MEADOWS FIELD AP [35.43, -119.04], 0.7 NW OILDALE [35.43, -119.04], 0.7 ESE (BFL)MEADOWS FIELD AP [35.43, -119.04]</b>				
	03/06/19 11:02 PST		0	Flood (due to Heavy Rain)
	03/06/19 14:00 PST		0	Source: Law Enforcement
California Highway Patrol reported roadway flooding at the intersection of West China Grade Loop and Airport Dr.				
<b>KERN COUNTY --- 1.1 NNE DI GIORGIO [35.26, -118.82], 1.0 N DI GIORGIO [35.26, -118.83], 2.3 N DI GIORGIO [35.28, -118.83], 2.4 NNE DI GIORGIO [35.28, -118.82]</b>				
	03/06/19 13:00 PST		0	Flood (due to Heavy Rain)
	03/06/19 18:00 PST		0	Source: County Official
Kern County Officials reported Tejon Highway closed between Panama Rd. and Mountain View Rd. 5N Arvin.				
<b>MADERA COUNTY --- 5.3 SSE DAULTON [37.05, -119.94]</b>				
	03/06/19 13:50 PST		0	Funnel Cloud
	03/06/19 14:00 PST		0	Source: Storm Chaser
A storm chaser filmed a funnel cloud 9 miles northeast of Madera and shared with broadcast media and NWS.				
<b>MERCED COUNTY --- 1.8 E DELHI [37.43, -120.75], 1.8 ESE DELHI [37.42, -120.75], 2.0 ESE DELHI [37.42, -120.74], 2.0 E DELHI [37.43, -120.74]</b>				
	03/06/19 14:22 PST		0	Flood (due to Heavy Rain)
	03/06/19 16:22 PST		0	Source: Law Enforcement
California Highway Patrol reported roadway flooding at the intersection of Canal Dr. and South Ave. in Delhi.				

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<b>KERN COUNTY --- 2.9 SSE KERNVILLE ARPT [35.68, -118.40], 2.8 SE KERNVILLE ARPT [35.69, -118.38], 2.3 WNW WELDON [35.68, -118.32], 2.1 SW WELDON [35.65, -118.31], 3.3 WSW WELDON [35.65, -118.33]</b>				
	03/06/19 14:30 PST		0	Flood (due to Heavy Rain)
	03/06/19 18:00 PST		0	Source: Emergency Manager
Kern County Emergency Manager reported Sierra Way was closed between State Route 178 and Hanning Flat due to flooding.				
<b>MERCED COUNTY --- 4.7 NE BALLICO [37.49, -120.63], 4.7 NE BALLICO [37.49, -120.63], 4.7 NE BALLICO [37.49, -120.63], 4.8 NE BALLICO [37.49, -120.63]</b>				
	03/06/19 14:48 PST		0	Flood (due to Heavy Rain)
	03/06/19 16:48 PST		0	Source: Law Enforcement
California Highway Patrol reported roadway flooding at the intersection of Looney Rd. and East Ave.				
<b>KERN COUNTY --- 0.8 E LAMONT [35.27, -118.91], 0.8 ESE LAMONT [35.27, -118.91], 1.3 NNE RIBIER [35.27, -118.86], 1.4 NNE RIBIER [35.27, -118.86]</b>				
	03/06/19 15:00 PST		0	Flood (due to Heavy Rain)
	03/06/19 18:00 PST		0	Source: County Official
Kern County officials closed Panama Rd. between Malaga Rd. and Habecker Rd. in Lamont due to flooding.				
<b>MERCED COUNTY --- 2.6 WSW LIVINGSTON [37.36, -120.76], 2.6 WSW LIVINGSTON [37.36, -120.76], 2.5 WSW LIVINGSTON [37.36, -120.76], 2.6 WSW LIVINGSTON [37.36, -120.76]</b>				
	03/06/19 15:11 PST		0	Flood (due to Heavy Rain)
	03/06/19 17:11 PST		0	Source: Law Enforcement
California Highway Patrol reported roadway flooding at the intersection of Westside Blvd. and Washington Blvd.				
<b>KERN COUNTY --- 2.2 NNW RIBIER [35.28, -118.88], 2.2 N RIBIER [35.28, -118.88], 0.4 NW RIBIER [35.25, -118.88], 0.6 WNW RIBIER [35.25, -118.88]</b>				
	03/06/19 15:30 PST		0	Flood (due to Heavy Rain)
	03/06/19 18:00 PST		0	Source: County Official
Kern County officials closed South Edison Rd. from Digirogio Rd. to Mountain View Rd. in Lamont due to flooding.				
<b>TULARE COUNTY --- 3.9 SW EXETER PRUNER ARPT [36.21, -119.20], 3.8 SW EXETER PRUNER ARPT [36.21, -119.20], 3.8 SW EXETER PRUNER ARPT [36.21, -119.20], 3.8 W CAIRNS CORNER [36.21, -119.20]</b>				
	03/06/19 15:57 PST		0	Flood (due to Heavy Rain)
	03/06/19 17:57 PST		0	Source: Law Enforcement
California Highway Patrol reported Outside Creek was overflowing onto State Route 137 between Tulare and Lindsay.				
<b>KERN COUNTY --- 1.3 N DI GIORGIO [35.27, -118.83], 1.5 NNE DI GIORGIO [35.27, -118.82], 2.2 NNE DI GIORGIO [35.28, -118.82], 2.0 N DI GIORGIO [35.28, -118.83]</b>				
	03/06/19 16:53 PST		20K	Flash Flood (due to Heavy Rain)
	03/06/19 20:53 PST		0	Source: Law Enforcement
California Highway Patrol reported Tejon Highway completely washed out south of Mountain View Rd. in Lamont.				
<b>(CA-Z089) W CENTRAL S.J. VALLEY</b>				
	03/06/19 17:20 PST		0	High Wind (MAX 56 kt)
	03/06/19 17:20 PST		0	
<b>MADERA COUNTY --- 4.7 WSW INDIAN SPGS [37.02, -119.80], 2.3 SW INDIAN SPGS [37.02, -119.76], 1.7 WSW ONEALS [37.12, -119.73], 3.5 W ONEALS [37.12, -119.76]</b>				
	03/06/19 18:30 PST		0	Debris Flow
	03/06/19 22:30 PST		0	Source: Law Enforcement
California Highway Patrol reported State Route 41 was closed between State Route 145 and Road 200 due to a large boulder blocking the roadway.				
<b>A strong and very moist upper low pressure system approached the central California coast on March 5. This system pulled up a deep fetch of moisture of sub-tropical origin which pushed into the area during the evening of March 5 then stalled over the southern portion of central California during the morning of March 6 as a strong southwest upper jet was overhead. This resulted in widespread heavy precipitation over Kern County with moderate to locally heavy precipitation further north over an already saturated ground producing</b>				

## Storm Data and Unusual Weather Phenomena - March 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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widespread flooding, debris flows, rock slides and mud slides across the area. Several roads were closed as a result of the flooding. Thunderstorms broke out during the afternoon producing additional moderate to locally heavy rainfall. Much of the Southern Sierra Nevada picked up between 2 and 4 inches of liquid precipitation with the snow level running between 8000 and 8500 feet for much of the event. Between 1 to 3 inches of rain fell in the adjacent foothills and across the Kern County Mountains. Kelso Creek to the southeast of Lake Isabella filled up that a potential levee breach led to an evacuation of the communities of Weldon Valley Ranchos, Valley Estates and Power Tracts within the town of Kelso Creek. State Route 178 was closed in Kern Canyon for two days due to a rock slide. Much of the San Joaquin Valley and Kern County Deserts picked up between a half inch and an inch of rain while locally heavier amounts fell in the south end of the San Joaquin Valley and across the Indian Wells Valley, and as a result road flooding was widespread in Kern County.

**KINGS COUNTY --- 0.9 SE SHIRLEY [36.39, -119.64]**

03/07/19 17:10 PST	0	Funnel Cloud
03/07/19 17:20 PST	0	Source: NWS Employee

An NWS employee spotted a funnel cloud 4N Hanford which remained well above the ground.

**TULARE COUNTY --- 3.5 SW SPRINGVILLE [36.10, -118.87], 3.6 SW SPRINGVILLE [36.10, -118.87], 3.6 SW SPRINGVILLE [36.10, -118.87], 3.5 SW SPRINGVILLE [36.10, -118.87]**

03/08/19 05:47 PST	0	Flood (due to Heavy Rain)
03/08/19 09:47 PST	0	Source: Law Enforcement

California Highway Patrol reported flooding at the intersection of State Route 190 and Pleasant Oaks Dr. 4SW Springville.

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

03/08/19 06:14 PST	0	High Wind (MAX 64 kt)
03/08/19 22:40 PST	0	

**TULARE COUNTY --- 2.1 NNW NANCEVILLE [36.10, -119.08]**

03/08/19 10:25 PST	0	Funnel Cloud
03/08/19 10:35 PST	0	Source: Broadcast Media

Several media reports of a cold air funnel northwest of Porterville.

Following the departure of the warm and very moist system which brought heavy rain to portions of the area on March 6, a cold upper trough approached the area on March 7 and moved through the region during the morning of March 8. This system provided additional liquid precipitation totals of half an inch to an inch over much of the southern Sierra Nevada with the snow level lowering from 5000 feet during the evening of March 7 to 3500 feet by the afternoon of March 8. While precipitation amounts were generally lower in the San Joaquin Valley and the Kern County Mountains, a few locations impacted by heavier showers or thunderstorms on March 8 received over half an inch. Several locations in the higher elevations of the southern Sierra Nevada (above 7000 feet) picked up between 6 an 12 inches of new snow between the evening of March 7 and the afternoon of March 8. There were some reports of funnel clouds in the San Joaquin Valley although there were no confirmed reports of tornadoes from this system. There were several reports of wind gusts exceeding 45 mph in the Kern County Mountains and Deserts and a few low impact indicator sites measured gusts exceeding 70 mph. This cold system moved out of the area during the evening of March 8 with a drier airmass moving into the area behind it.

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

03/12/19 16:00 PST	0.10M	High Wind (MAX 71 kt)
03/13/19 02:40 PST	0	

**(CA-Z099) SE KERN CTY DESERT**

03/13/19 03:17 PST	20K	Strong Wind (MAX 48 kt)
03/13/19 04:10 PST	0	

A strong upper low pressure system dropped southward through the Great Basin region between the afternoon of March 12 and the morning of March 13. This system interacted with a strengthening offshore high pressure center to produce a strong surface pressure gradient over the Kern County Mountains and Deserts which resulted in a period of very strong winds over the area with several reports of wind gusts exceeding 70 mph along ridge tops and below passes. There were also reports of several big rigs being blown over or flipped over by the strong wind gusts.

**(CA-Z089) W CENTRAL S.J. VALLEY, (CA-Z095) KERN CTY MTNS**

03/19/19 17:57 PST	0	High Wind (MAX 56 kt)
03/19/19 20:20 PST	0	

Strong southerly winds developed over the area during the evening of March 19 as a low pressure system deepened off the California

## Storm Data and Unusual Weather Phenomena - March 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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coast and interacted with an amplifying inland ridge. Several locations along the west side of the San Joaquin Valley and in the Kern County Mountains reported wind gusts exceeding 40 mph during the evening. The winds diminished overnight as cooler air settled in over the area.

**MADERA COUNTY --- 4.6 S DAULTON [37.05, -119.99]**

	03/20/19 12:00 PST		0	Funnel Cloud
	03/20/19 12:10 PST		0	Source: Broadcast Media

A television station posted a photo of a funnel cloud near Madera.

**TULARE COUNTY --- 2.6 E WOODLAKE [36.41, -119.05]**

	03/20/19 16:46 PST		0	Funnel Cloud
	03/20/19 16:51 PST		0	Source: Social Media

Pictures posted on Twitter of a funnel cloud east of Woodlake.

**TULARE COUNTY --- 2.1 SSE MERRY MAN [36.30, -119.07]**

	03/20/19 17:10 PST		0	Funnel Cloud
	03/20/19 17:10 PST		0	Source: Social Media

Pictures posted on Twitter of a funnel cloud east of Exeter.

**TULARE COUNTY --- 0.3 NW LEMONCOVE [36.38, -119.02], 0.3 WNW LEMONCOVE [36.38, -119.03], 0.4 NW LEMONCOVE [36.38, -119.03], 0.3 NW LEMONCOVE [36.38, -119.02]**

	03/20/19 17:49 PST		0	Flood (due to Heavy Rain)
	03/20/19 19:49 PST		0	Source: Fire Department/Rescue

Tulare County Fire Department reported Eastbound State Route 198 flooded near Ave. 328 in Lemon Cove.

**TULARE COUNTY --- 2.1 ENE WOODLAKE ARPT [36.41, -119.06], 2.1 ENE WOODLAKE ARPT [36.41, -119.06], 2.1 ENE WOODLAKE ARPT [36.41, -119.06], 2.2 E WOODLAKE ARPT [36.41, -119.06]**

	03/20/19 17:59 PST		10K	Flash Flood (due to Heavy Rain)
	03/20/19 21:30 PST		0	Source: Fire Department/Rescue

Tulare County Fire Department reported the intersection of State Route 216 and Road 228 washed out.

A slow moving low pressure system near the California coast spread moisture inland during the evening of March 19 and the morning of March 20. This produced a band of mainly light rainfall which was most noticeable north of Fresno County. Skies cleared out in the San Joaquin Valley during the afternoon of March 20 and with a post-frontal unstable airmass present, thunderstorms broke out in the valley during the afternoon through the early evening. The thunderstorms produced some locally heavy rainfall and there were a few reports of flooding in Tulare County with a road washed out near Woodlake. There were also a few reports of funnel clouds which were posted online. Most locations in the San Joaquin Valley picked up a tenth to a third of an inch of rainfall while many locations in the Southern Sierra Nevada picked up between a third of an inch to an inch of liquid precipitation with locally higher amounts measured at a few stations.

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

	03/23/19 17:27 PST		0	High Wind (MAX 63 kt)
	03/23/19 17:57 PST		0	

A low pressure system pushed into northern California on March 23. While the precipitation from this system mainly remained north of our area, a cold frontal passage during the evening produced a brief period of strong winds along the ridges and below the passes in the Kern County Mountains and Deserts with several reports of winds exceeding 45 mph.

**(CA-Z096) S SIERRA MTNS**

	03/27/19 11:00 PST		0	Heavy Snow
	03/27/19 23:00 PST		0	

**MERCED COUNTY --- 5.8 SSW LIVINGSTON [37.30, -120.75], 5.7 SSW LIVINGSTON [37.30, -120.75]**

	03/27/19 13:35 PST		0	Funnel Cloud
	03/27/19 13:40 PST		0	Source: Broadcast Media

KFSN TV-30 called in with a report of a funnel cloud west of Merced on State Route 140 at 1435 PDT. NWS received clear photo evidence of a funnel cloud. Location was estimated by radar.



## Storm Data and Unusual Weather Phenomena - March 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>MERCED COUNTY --- 3.1 N SNELLING [37.57, -120.43], 3.1 N SNELLING [37.56, -120.43], 3.1 N SNELLING [37.56, -120.43], 3.2 N SNELLING [37.57, -120.43]</b>				
	03/27/19 16:05 PST		0	Flood (due to Heavy Rain)
	03/27/19 17:25 PST		0	Source: Law Enforcement

California Highway Patrol reported flooding at the intersection of Fields Road and La Grange Road.

<b>MARIPOSA COUNTY --- 1.5 SSW BEN HUR [37.33, -119.96], 1.0 SSW BEN HUR [37.34, -119.96]</b>				
	03/27/19 17:00 PST		0	Funnel Cloud
	03/27/19 17:05 PST		0	Source: Broadcast Media

KFSN TV-30 sent imagery of a funnel cloud from a viewer located north of Raymond at 1800 PDT. The location of the funnel cloud was estimated by radar velocity data.

**A low pressure system moved into Northern California during the morning of March 27 then dropped southeast during the afternoon resulting in increasing precipitation coverage across the area. The precipitation was most significant in Merced and Mariposa Counties which were impacted by the deeper moisture associated with this system as well as the unstable airmass behind the cold front which moved over central California during the day. Afternoon showers and thunderstorms increased in coverage during the late afternoon producing locally heavy rainfall as well as pea sized hail and a few funnel clouds. Much of the Southern Sierra Nevada north of Kings Canyon picked up between a half inch and an inch of liquid precipitation while areas near Yosemite National Park picked up between one and two inches. Between a tenth and a quarter inch of rain fell across much of the central San Joaquin Valley with locally heavier amounts in areas impacted by thunderstorms. The precipitation fell as snow above 7500 feet and a few locations in Yosemite Park picked up around a foot of fresh snowfall above 8000 feet. Areas south of Fresno County generally did not receive much precipitation. The precipitation tapered off during the evening of March 27 and ended by late morning on March 28 as the storm moved east of the area.**