

Storm Data and Unusual Weather Phenomena - April 2023

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

MERCED COUNTY --- 2.7 SW IRWIN [37.38, -120.89], 2.5 NW STEVINSON [37.35, -120.89], 1.8 NNE STEVINSON [37.35, -120.83], 1.3 SE IRWIN [37.39, -120.83]	04/01/23 00:00 PST	0		Flood (due to Planned Dam Release)
	04/10/23 14:00 PST	0		Source: River/Stream Gage

The Merced River at Stevinson exceeded it's flood stage of 71 feet due to controlled dam releases of excess snowmelt runoff.

The Merced River at Stevinson exceeded it's flood stage at 71 feet due to controlled dam releases on March 24 and remained above flood stage until April 10.

(CA-Z331) SOUTH END OF THE UPPER SIERRA, (CA-Z334) TEHACHAPI, (CA-Z337) INDIAN WELLS VALLEY, (CA-Z338) MOJAVE DESERT SLOPE(S)

04/03/23 01:32 PST		0	High Wind (MAX 82 kt)
04/03/23 14:40 PST		0	

(CA-Z335) GRAPEVINE

04/03/23 05:45 PST		0	Winter Weather
04/03/23 08:45 PST		0	

An upper level trough dropped into the Great Basin from the Pacific Northwest on April 3. This resulted in a period of strong winds across the ridge tops and downslope prone areas over the Sierra Nevada south of Sequoia Park and the Tehachapi Mountains. Several stations measured wind gusts exceeding 60 mph while a few low impact indicator stations measured gusts above 70 mph. This system also produced light precipitation over the Sierra Nevada and Tehachapi Mountains with several SNOTEL stations above 6000 feet picking up between 2 and 5 inches of estimated new snowfall. Some light snowfall was also observed near the Tejon Pass along Interstate 5 during the morning of April 3. The trough moved east of the area by the morning of April 4 giving way to a warming and drying trend across the area.

(CA-Z331) SOUTH END OF THE UPPER SIERRA, (CA-Z334) TEHACHAPI, (CA-Z338) MOJAVE DESERT SLOPE(S)

04/12/23 22:27 PST		0	High Wind (MAX 63 kt)
04/13/23 05:14 PST		0	

A dry upper trough moved east across the region during the evening of April 12 through the morning of April 13. This system brought a period of increased winds to the mountains and deserts of Kern County as pressure gradients strengthened. Several stations measured gusts exceeding 45 mph and a few low impact indicator sites picked up gusts in excess of 55 mph.

FRESNO COUNTY --- 2.3 NW SANGER WNDR VLY ARPT [36.83, -119.32], 2.9 NNW SANGER WNDR VLY ARPT [36.84, -119.33], 1.8 WNW PIEDRA [36.83, -119.41], 2.5 WNW BELMONT AVENUE [36.79, -119.49], 2.9 SSW PARLIER [36.58, -119.54], 1.6 WSW KINGSBURG [36.52, -119.58], 1.6 SE REEDLEY [36.58, -119.43]

04/17/23 19:00 PST		0	Flood (due to Planned Dam Release)
04/30/23 23:59 PST		0	Source: Emergency Manager

Fresno, Kings 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.

KINGS COUNTY --- 9.2 NE SHIRLEY [36.50, -119.54], 2.1 NW HARDWICK [36.42, -119.74], 1.0 WNW HARDWICK [36.40, -119.74], 8.3 NE SHIRLEY [36.47, -119.53]

04/17/23 19:00 PST		0	Flood (due to Planned Dam Release)
04/30/23 23:59 PST		0	Source: Emergency Manager

Fresno, Kings 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.

TULARE COUNTY --- 3.5 W DELFT COLONY [36.51, -119.51], 4.5 WNW TRAVER [36.48, -119.55], 3.7 W TRAVER [36.45, -119.55], 2.2 SW DELFT COLONY [36.50, -119.48]

04/17/23 19:00 PST		0	Flood (due to Planned Dam Release)
04/30/23 23:59 PST		0	Source: Emergency Manager

Fresno, Kings 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.

Increased releases at Pine Flat dam due to heavy snow melt runoff resulted in flooding near the Kings River downstream of Pine Flat

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Dam. The increased runoff produced flooding at Lindy's Landing campground near Reedley, and the Kings River Golf and Country Club near Kingsburg.

(CA-Z331) SOUTH END OF THE UPPER SIERRA, (CA-Z338) MOJAVE DESERT SLOPE(S)

	04/18/23 00:40 PST	0	0	High Wind (MAX 56 kt)
	04/18/23 15:00 PST	0	0	

An upper trough moved across California on April 18 which brought gusty winds, much cooler temperatures and some light precipitation to the area. Precipitation amounts were generally on the light side as many stations only picked up a trace to a few hundredths of an inch of measurable precipitation. However, gusty winds prevailed between the evening of April 17 and the afternoon of April 18 over the usually wind prone areas in the mountains and deserts of Kern County. Several stations reported gusts exceeding 45 mph and a few stations briefly had gusts exceeding 60 mph.

(CA-Z338) MOJAVE DESERT SLOPE(S)

	04/23/23 18:00 PST	0	0	High Wind (MAX 59 kt)
	04/24/23 00:50 PST	0	0	

An upper level low pressure system dropped into the Great Basin from the Pacific Northwest on April 24 resulting in an increased surface pressure gradient which produced gusty winds across the mountains and deserts of Kern County. Several stations measured wind gusts exceeding 45 mph while a few stations along the Mojave Desert slopes briefly had gusts near 60 mph.