

Storm Data and Unusual Weather Phenomena - August 2022

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

(CA-Z300) WEST SIDE MOUNTAINS NORTH OF HIGHWAY 198, (CA-Z301) LOS BANOS-DOS PALOS, (CA-Z302) MERCED-MADERA-MENDOTA, (CA-Z303) PLANADA-LEGRAND-SNELLING, (CA-Z304) COALINGA - AVENAL, (CA-Z305) WEST SIDE OF FRESNO AND KINGS COUNTIES, (CA-Z306) CARUTHERS - SAN JOAQUIN - SELMA, (CA-Z307) FRESNO - CLOVIS, (CA-Z308) WEST SIDE MOUNTAINS SOUTH OF HIGHWAY 198, (CA-Z309) BUTTONWILLOW- LOST HILLS - I5, (CA-Z310) DELANO - WASCO - SHAFER, (CA-Z311) HANFORD - CORCORAN - LEMOORE, (CA-Z312) VISALIA - PORTERVILLE - REEDLEY, (CA-Z313) BUENA VISTA, (CA-Z314) BAKERSFIELD, (CA-Z315) SOUTHEAST SAN JOAQUIN VALLEY, (CA-Z316) SOUTH END SAN JOAQUIN VALLEY, (CA-Z317) MARIPOSA - MADERA FOOTHILLS, (CA-Z318) MARIPOSA - MADERA LOWER SIERRA, (CA-Z319) FRESNO - TULARE FOOTHILLS, (CA-Z320) FRESNO - TULARE LOWER SIERRA, (CA-Z321) SOUTH END SIERRA FOOTHILLS, (CA-Z322) SOUTH END OF THE LOWER SIERRA, (CA-Z323) YOSEMITE NP OUTSIDE OF THE VALLEY, (CA-Z324) YOSEMITE VALLEY, (CA-Z325) SAN JOAQUIN RIVER CANYON, (CA-Z326) UPPER SAN JOAQUIN RIVER, (CA-Z327) KAISER TO RODGERS RIDGE, (CA-Z328) KINGS CANYON NP, (CA-Z329) GRANT GROVE AREA, (CA-Z330) SEQUOIA NP, (CA-Z331) SOUTH END OF THE UPPER SIERRA, (CA-Z332) KERN RIVER VALLEY, (CA-Z333) PIUTE - WALKER PASS (BASIN?), (CA-Z334) TEHACHAPI, (CA-Z335) GRAPEVINE, (CA-Z336) FRAZIER MOUNTAIN COMMUNITIES, (CA-Z337) INDIAN WELLS VALLEY, (CA-Z338) MOJAVE DESERT SLOPE(S), (CA-Z339) MOJAVE DESERT	08/01/22 00:00 PST 08/31/22 23:59 PST	0 0	0 0	Drought
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Central California remained abnormally dry in August 2022. Scattered showers and thunderstorms did impact the area between the 1st and the 5th with some flooding being reported on the 1st and the 4th. Otherwise dry weather prevailed across the area. By the end of the month, nearly all of our area remained in an extreme or exceptional drought as most of our area has received less than a third of normal precipitation since July 1, 2020.

KERN COUNTY --- 0.1 SSW TEHACHAPI [35.13, -118.45], 0.1 N TEHACHAPI [35.13, -118.45], 0.3 ENE TEHACHAPI [35.13, -118.45], 0.3 ESE TEHACHAPI [35.13, -118.45]

08/01/22 12:15 PST	0	Flood (due to Heavy Rain)
08/01/22 14:15 PST	0	Source: Broadcast Media

Broadcast media report of street flooding in downtown Tehachapi as the result of heavy rainfall.

KERN COUNTY --- 1.7 W CANTIL [35.30, -118.00], 1.8 W CANTIL [35.30, -118.00], 1.8 W CANTIL [35.30, -118.00], 1.7 W CANTIL [35.30, -118.00]

08/01/22 13:59 PST	0	Flood (due to Heavy Rain)
08/01/22 16:59 PST	0	Source: Law Enforcement

California Highway Patrol reported that the intersection of SR 14 and Jawbone Canyon Rd. was completely flooded over as a result of heavy rainfall.

Mid level tropical moisture from Hurricane Frank which was situated off the Baja coast spread northward into southern and central California on August 1. This moisture interacted with a very warm and unstable airmass which was present over the region at the time. Showers and thunderstorms broke out during the afternoon and brought moderate to locally heavy rainfall to the mountains and deserts of eastern Kern County as well as to the Sierra Nevada. The heavier thunderstorms prompted the issuance of two Flash Flood Warnings, two Flood Advisories and three Significant Weather Advisories. There were reports of nuisance street flooding as a result of the heavy rainfall.

TULARE COUNTY --- 9.8 NNE LODGEPOLE [36.73, -118.66]

08/04/22 11:11 PST	0	Heavy Rain
08/04/22 13:11 PST	0	Source: RAWS

The Sugarloaf RAWS measured 1.55 inches of rainfall from a thunderstorm in two hours.

KERN COUNTY --- 0.7 E BODFISH [35.60, -118.49]

08/04/22 11:53 PST	0	Heavy Rain
08/04/22 13:53 PST	0	Source: RAWS

The KRN01 RAWS 1N Bodfish measured 0.56 inches of rainfall from a thunderstorm in two hours.

KERN COUNTY --- 5.0 SW CABLE [35.09, -118.56]

08/04/22 12:58 PST	0	Heavy Rain
08/04/22 15:58 PST	0	Source: COOP Observer

An APRS CWOP station 5SW Tehachapi measured 1.25 inches of rainfall from a thunderstorm in three hours.

TULARE COUNTY --- 7.0 SE CAMP NELSON [36.08, -118.53]

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	08/04/22 12:58 PST		0	Heavy Rain
	08/04/22 14:58 PST		0	Source: RAWWS

The Peppermint RAWWS measured 1.09 inches of rainfall from a thunderstorm in two hours.

KERN COUNTY --- 3.2 SW TEHACHAPI [35.10, -118.50]

08/04/22 15:53 PST	0	Heavy Rain
08/04/22 17:53 PST	0	Source: RAWWS

The KRN02 RAWWS 3S Tehachapi measured 0.66 inches of rainfall from a thunderstorm in two hours.

KERN COUNTY --- 6.0 NE TEHACHAPI [35.19, -118.37]

08/04/22 16:00 PST	0	Heavy Rain
08/04/22 18:00 PST	0	Source: Mesonet

A HADS station 6NE Tehachapi measured 1.52 inches of rainfall from a thunderstorm in two hours.

KERN COUNTY --- 1.7 W CANTIL [35.30, -118.00]

08/04/22 17:36 PST	0	Heavy Rain
08/04/22 19:41 PST	0	Source: Mesonet

An APRS CWOP station 2W Cantil measured 0.81 inches of rainfall from a thunderstorm in two hours.

A surge of deep moisture moved over central California from the southeast during the afternoon of August 4. This moisture interacted with a hot and unstable airmass which was in place over the area resulting in the development of numerous showers and scattered thunderstorms during the afternoon over the Sierra Nevada, the adjacent Sierra foothills and the mountains and deserts of eastern Kern County. Some of the thunderstorms produced very heavy rainfall with amounts between a half inch and an inch of rainfall in a one hour period which prompted the issuance of thirteen Flash Flood Warnings and four Significant Weather Advisories during the afternoon.

(CA-Z300) WEST SIDE MOUNTAINS NORTH OF HIGHWAY 198, (CA-Z301) LOS BANOS-DOS PALOS, (CA-Z302) MERCED-MADERA-MENDOTA, (CA-Z303) PLANADA-LEGRAND-SNELLING, (CA-Z304) COALINGA - AVENAL, (CA-Z305) WEST SIDE OF FRESNO AND KINGS COUNTIES, (CA-Z306) CARUTHERS - SAN JOAQUIN - SELMA, (CA-Z307) FRESNO - CLOVIS, (CA-Z308) WEST SIDE MOUNTAINS SOUTH OF HIGHWAY 198, (CA-Z309) BUTTONWILLOW- LOST HILLS - I5, (CA-Z310) DELANO - WASCO - SHAFTER, (CA-Z311) HANFORD - CORCORAN - LEMOORE, (CA-Z312) VISALIA - PORTERVILLE - REEDLEY, (CA-Z313) BUENA VISTA, (CA-Z314) BAKERSFIELD, (CA-Z315) SOUTHEAST SAN JOAQUIN VALLEY, (CA-Z316) SOUTH END SAN JOAQUIN VALLEY, (CA-Z317) MARIPOSA - MADERA FOOTHILLS, (CA-Z319) FRESNO - TULARE FOOTHILLS, (CA-Z321) SOUTH END SIERRA FOOTHILLS, (CA-Z332) KERN RIVER VALLEY

08/16/22 11:00 PST	0	Heat
08/20/22 21:00 PST	0	

A large area of high pressure which prevailed over the area between August 16 and August 20 provided for much warmer than normal temperatures across the area with dangerous heat prevailing during the daytime across the San Joaquin Valley, West Side Hills, lower Sierra foothills and the Kern River Valley. An upper trough pushed into the Pacific Northwest on August 21 which weakened the large high pressure center and brought a cooling trend to the area.

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08/31/22 10:00 PST	0	Heat
08/31/22 23:59 PST	0	

(CA-Z337) INDIAN WELLS VALLEY, (CA-Z338) MOJAVE DESERT SLOPE(S), (CA-Z339) MOJAVE DESERT

08/31/22 10:00 PST	0	Excessive Heat
08/31/22 23:59 PST	0	

A large area of high pressure that was centered over the Great Basin area built westward into California on August 31st and brought a period of hot and dry weather to the area which prevailed across the area through much of early September.