

Storm Data and Unusual Weather Phenomena - July 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------

CALIFORNIA, South Central

(CA-Z089) W CENTRAL S.J. VALLEY, (CA-Z090) E CENTRAL S.J. VALLEY, (CA-Z091) SW S.J. VALLEY, (CA-Z092) SE S.J. VALLEY, (CA-Z093) S SIERRA FOOTHILLS, (CA-Z094) TULARE CTY FOOTHILLS, (CA-Z095) KERN CTY MTNS, (CA-Z096) S SIERRA MTNS, (CA-Z097) TULARE CTY MTNS, (CA-Z098) INDIAN WELLS VLY, (CA-Z099) SE KERN CTY DESERT

07/01/15 00:00 PST	0	Drought
07/31/15 23:59 PST	0	

The California drought continues in full force during the month of July, 2015. Temperatures continued to average above normal. July was a good month for precipitation as there were multiple monsoonal and tropical influxes of moisture into the area. However, this wasn't nearly enough to impact the drought situation. Rainfall totals for Fresno received 0.43 of an inch of rain, while Bakersfield received 0.04 inches.

The U.S. Drought Monitor continued to report exceptional drought conditions across the entire Central California region. This extent of exceptional drought is extremely unusual for California. The 2013-2014 water year (July 1 - June 30) concluded with Fresno setting its second driest on record (4.81 inches) and Bakersfield setting its third driest (2.41 inches). For the calendar year, 2014 was the warmest year on record for Fresno and Bakersfield. The general trend of below normal precipitation and above normal temperatures has continued this year.

There continues to be significant media coverage on the on-going drought conditions. These reports include discussion of significant re-allocation of water resources from the east to west side of the San Joaquin Valley, farmers forgoing planting of some crops, a decrease in the snow-related tourism activity in the Southern Sierra Nevada, reduction in air quality due to persistent stagnant air, loss or reduction of ground water, wells drying up in several communities leaving them with no water, and an unprecedented increase in fire danger across the Southern Sierra Nevada and Tehachapi Mountains. Also, communities in Central California interior face state mandated reductions in municipal water use.

KERN COUNTY --- 2.1 NW CANTIL [35.32, -118.00], 2.4 NW CANTIL [35.33, -118.00], 2.1 NNW CANTIL [35.33, -117.98], 1.4 NW CANTIL [35.32, -117.99]

07/01/15 04:38 PST	0	Flash Flood (due to Heavy Rain)
07/01/15 05:30 PST	0	Source: Law Enforcement

California Highway Patrol reported water threatening highway 14 near Red Rock Canyon.

KERN COUNTY --- 11.2 SSE ONYX [35.54, -118.14]

07/01/15 05:15 PST	0	Thunderstorm Wind (MG 52 kt)
07/01/15 05:45 PST	0	Source: RAWS

RAWS station at Bird Springs Pass reported thunderstorm outflow wind gusts of 60 MPH at 12:27 UTC, with sustain winds of 22 MPH.

KERN COUNTY --- 3.5 WNW INYOKERN AIRPORT [35.68, -117.89]

07/01/15 05:15 PST	0	Thunderstorm Wind (MG 51 kt)
07/01/15 05:45 PST	0	Source: RAWS

RAWS station at Laural Mountain reported thunderstorm outflow winds gusting to 59 MPH, with sustained winds varying from 28 to 42 MPH. The strongest gust was recorded at 12:26 UTC though the prior hour had a gust of 58 MPH.

KERN COUNTY --- 3.5 WNW INYOKERN AIRPORT [35.68, -117.89]

07/01/15 05:15 PST	0	Thunderstorm Wind (MG 54 kt)
07/01/15 05:45 PST	0	Source: RAWS

RAWS station at Indian Wells Canyon reported thunderstorm outflow wind gusts of 62 MPH at 12:26 UTC, with sustain winds of 36 MPH.

Strong monsoonal moisture push came into the area early in the morning hours. This resulted in a broad area of convection (MCS) across western Arizona and southeastern California. These storms moved towards Kern County quickly resulting in some brief thunderstorm outflow winds and localized heavy rainfall.

KERN COUNTY --- 2.2 W CANTIL [35.31, -118.01], 1.3 W CANTIL [35.30, -117.99], 1.7 W CANTIL [35.30, -118.00], 2.1 W CANTIL [35.30, -118.01]

07/18/15 14:15 PST	0	Flash Flood (due to Heavy Rain)
07/18/15 16:00 PST	0	Source: Unknown

Flooding was reported near state road 14 near Jawbone Canyon road.

Storm Data and Unusual Weather Phenomena - July 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
KERN COUNTY --- 1.1 WSW GARLOCK [35.39, -117.80], 1.1 WSW GARLOCK [35.39, -117.80], 1.2 WSW GARLOCK [35.39, -117.80], 1.2 WSW GARLOCK [35.39, -117.80]				
	07/18/15 14:25 PST		0	Flash Flood (due to Heavy Rain / Tropical System)
	07/18/15 15:00 PST		0	Source: Unknown

Debris and water was reported as moving across the intersection of Garlock road and Redrock Randsburg road.

KERN COUNTY --- 1.0 SE GREENFIELD [35.26, -118.99]				
	07/18/15 16:00 PST	1	0	Lightning
	07/18/15 19:00 PST		0	Source: Emergency Manager

Autopsy confirmed Bakersfield man was struck and killed by lightning. The individual was found unresponsive just before 7 PM PDT by a family member.

Direct Fatalities: M62PH

KERN COUNTY --- 2.2 W FRAZIER PARK [34.82, -118.99], 1.1 ENE FRAZIER PARK [34.82, -118.93], 1.3 ESE FRAZIER PARK [34.81, -118.93], 2.2 W FRAZIER PARK [34.81, -118.99]				
	07/18/15 17:15 PST		0	Flash Flood (due to Heavy Rain / Tropical System)
	07/18/15 19:30 PST		0	Source: Emergency Manager

Debris flow from over one inch of rain in less than a hour over the Grand Fire burn scar area produced mud blocking the road between Frazier Park and Lake of the Woods.

KERN COUNTY --- 112.4 N KERNELL [37.41, -119.35]				
	07/19/15 17:10 PST		0	Heavy Rain
	07/19/15 18:30 PST		0	Source: RAWS

Minarettes RAWS station reported 85 hundredths of an inch in one hour.

KERN COUNTY --- 2.1 NNE CABLE [35.18, -118.49], 0.8 WNW TEHACHAPI [35.13, -118.46], 1.2 WSW TEHACHAPI [35.12, -118.47], 1.4 WNW TEHACHAPI [35.14, -118.47]				
	07/19/15 17:17 PST		0	Flash Flood (due to Heavy Rain)
	07/20/15 00:00 PST		0	Source: Emergency Manager

Kern County EOC reported severe flooding around Golden Hill, Tehachapi on route 202 and CHP reported closure of highway 58 due to flooding.

KERN COUNTY --- 1.4 ENE FRAZIER PARK [34.82, -118.93], 1.4 E FRAZIER PARK [34.82, -118.93], 3.3 W FRAZIER PARK [34.82, -119.01], 14.1 SSE PENTLAND [34.86, -119.23], 13.7 SSE PENTLAND [34.87, -119.23]				
	07/19/15 20:12 PST		0	Flash Flood (due to Heavy Rain)
	07/19/15 23:00 PST		0	Source: Law Enforcement

California Highway Patrol reported flooding and buckling of the roadway along Mil Potrero Highway and Cerro Noroeste Road at 20:44 PDT. They also reported vehicles getting stuck along Lockwood Valley Road and Frazier Mountain Road at 21:18 PDT. However, the main event continued to be the mudslide occurring near the town of Frazier Park.

KERN COUNTY --- 4.2 NE METTLER [35.11, -118.91], 3.9 ENE METTLER [35.10, -118.91], 3.4 ENE METTLER [35.10, -118.92], 3.9 NE METTLER [35.11, -118.92]				
	07/20/15 03:50 PST		0	Flash Flood (due to Heavy Rain)
	07/20/15 08:00 PST		0	Source: Law Enforcement

California Highway Patrol initially reported one foot of water on Wheeler Ridge Road just north of David road at 20:12 PDT. At 05:00 a follow up report was received of flooding at the intersection.

KERN COUNTY --- 6.5 ENE WHEELER RIDGE [35.05, -118.85], 7.2 ENE WHEELER RIDGE [35.05, -118.84], 6.9 ENE WHEELER RIDGE [35.04, -118.84], 6.3 ENE WHEELER RIDGE [35.04, -118.85]				
	07/20/15 03:50 PST		0	Flash Flood (due to Heavy Rain)
	07/20/15 08:00 PST		0	Source: Law Enforcement

California Highway Patrol reported mud flowing onto the intersection of Rancho Road and Sebastian Road at 04:17 PDT.

Tropical moisture from the remnants of Hurricane Dolores and a monsoonal fetch of moisture streamed into southern and central California during the time period. This brought deep moisture into the area which resulted in moderate to heavy rainfall across most of the southern San Joaquin Valley and nearly all of Kern County. Kern County estimates the cost of the emergency response and

Storm Data and Unusual Weather Phenomena - July 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------

infrastructure repair throughout the Kern Operational Area to be approximately 2.7 million dollars.

(CA-Z089) W CENTRAL S.J. VALLEY

	07/18/15 21:27 PST		0	Wildfire
	07/20/15 17:00 PST		0	

The McCabe fire began in July 18, 2015 and was contained on July 20, 2015. It was located 16 miles northwest of Los Banos, CA and burned 1333 acres. There were no structures lost and no fatalities. The cost of containment was \$725,000.

(CA-Z097) TULARE CTY MTNS

	07/19/15 07:00 PST		0	Wildfire
	07/31/15 23:59 PST		0	

The Cabin fire was started by lightning on July 19, 2015 and continued to burn into August. It was located 8 mile northeast of Camp Nelson in Tulare County. The fire remained around 2 acres in size until July 30, 2015, then became active and burned 800 acres by the end of the day on July 31.

(CA-Z094) TULARE CTY Foothills

	07/21/15 11:35 PST		0	Wildfire
	07/26/15 09:30 PST		0	

The Tulare Lightning Complex began on July 21, 2015 and was contained on July 26, 2015. The fire was located 1 mile South of Springville and burned 446 acres. There were no structures lost and no fatalities. The cost of containment was \$1.2 million.

(CA-Z093) S SIERRA FOOTHILLS, (CA-Z096) S SIERRA MTNS

	07/25/15 13:30 PST		0	Wildfire
	07/31/15 23:59 PST		0	

The Willow Fire began on July 25, 2015 and continued to burn for the remainder of July and into August. It was human caused and was located 2 miles west of Wishon, CA. It burned 3383 acres as of July 31.

(CA-Z094) TULARE CTY FOOTHILLS

	07/30/15 11:40 PST		0	Wildfire
	07/31/15 23:59 PST		0	

The Advance Fire was started by lightning on July 30, 2015 and was contained on August 2, 2015. It was located 5 miles north of Three Rivers, CA and burned 86 acres. The cost of containment is unknown.

KERN COUNTY --- LEBEC [34.83, -118.87]

	07/30/15 14:00 PST		0	Heavy Rain
	07/30/15 16:00 PST		0	Source: Law Enforcement

Localized flooding was reported by the California Highway Patrol around Lebec, Ca. This was due in part to heavy rain in the area during the day, with the COOP station in Lebec receiving 1.48 inches of rainfall. However, the area had received some of the most rainfall earlier in the month so very moist antecedent conditions exist as well.

Monsoonal Moisture once again returned to the southern San Joaquin Valley, which brought showers and thunderstorms due to daytime heating.