

Storm Data and Unusual Weather Phenomena - April 2016

| 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

| | | |
|--------------------|---|---------|
| 04/01/16 00:00 PST | 0 | Drought |
| 04/30/16 23:59 PST | 0 | |

The California drought continues during the month of April, 2016. Fresno received 1.06 inches of rainfall while Bakersfield only received 0.97 inch of precipitation during the month. Increased precipitation earlier in the year and slightly below normal temperatures we received this month did allow for lower evaporation rates and soil moisture to maintain higher levels. Some snow melt did occur contributing to improved water storage levels.

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 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, 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 --- 0.1 WSW SHAFTER [35.50, -119.27]

| | | |
|--------------------|---|----------------------|
| 04/09/16 17:54 PST | 0 | Heavy Rain |
| 04/10/16 00:00 PST | 0 | Source: Social Media |

Reports of nuisance flooding and street ponding were submitted via Facebook of flooding in Shafter California in Kern County at approximately 2020 PST.

KERN COUNTY --- 2.4 E FAMOSO-POSO AIRPORT [35.60, -119.09]

| | | |
|--------------------|---|-------------------------|
| 04/09/16 17:54 PST | 0 | Heavy Rain |
| 04/10/16 00:00 PST | 0 | Source: Law Enforcement |

Reports were submitted by California Highway Patrol of nuisance and street ponding northeast of Cawelo California near State Route 65 and Famoso Road at 2059 PST in Kern County.

KERN COUNTY --- 1.5 ESE JASTRO [35.38, -119.04]

| | | |
|--------------------|---|-------------------------|
| 04/09/16 21:00 PST | 0 | Heavy Rain |
| 04/10/16 00:00 PST | 0 | Source: Law Enforcement |

Numerous reports of nuisance flooding and street ponding were submitted by local law enforcement and California Highway Patrol in Bakersfield between April 9th at 2100 PST and April 10th 0000 PST.

A slow moving moisture laden low pressure system moving across central California over the southern San Joaquin Valley produced thunderstorms and heavy rain. The slow movement of the parent system allowed for slow moving thunderstorms and heavy rain cells which created nuisance and street flooding in the southern San Joaquin Valley.

(CA-Z099) SE KERN CTY DESERT

| | | |
|--------------------|---|-----------------------|
| 04/14/16 00:10 PST | 0 | High Wind (MAX 60 kt) |
| 04/14/16 21:30 PST | 0 | |

Low pressure system moving southeastward through northern California was accompanied by a cold front that moved southeastward through central California which produced an onshore flow with increased pressure gradients producing breezy to windy conditions for the Kern County Mountains.

(CA-Z098) INDIAN WELLS VLY

| | | |
|--------------------|---|-----------------------|
| 04/23/16 21:00 PST | 0 | High Wind (MAX 70 kt) |
| 04/23/16 22:30 PST | 3 | 0 |

Short duration strong localized downslope wind gusts on the leeward side of the Kern County Mountains most likely due to mountain wave action from strong orographically lifted mid to upper level westerly winds. Fairly stable conditions with nearby mid level high pressure were also present further creating mountain wave conditions.

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|---|--------------------|----------------------|------------------------|-------------------------|
| KINGS COUNTY --- 0.6 NNW STRATFORD [36.19, -119.82] | | | | |
| | 04/24/16 20:43 PST | | 0 | Hail (1.00 in) |
| | 04/24/16 21:30 PST | | 0 | Source: Public |
| Public report of 1.00 inch hail from thunderstorm in Stratford California in Kings County was received via Twitter. | | | | |
| KERN COUNTY --- 0.2 WSW GREEN ACRES [35.40, -119.07] | | | | |
| | 04/24/16 21:50 PST | | 0 | Hail (1.00 in) |
| | 04/24/16 22:45 PST | | 0 | Source: Public |
| Public report of 1.00 inch hail from thunderstorm 5 miles west-southwest of Oildale California in Kern County was received via Facebook. | | | | |
| TULARE COUNTY --- 2.5 WSW EAST TULARE VILLA [36.19, -119.32] | | | | |
| | 04/24/16 22:16 PST | | 0 | Hail (1.25 in) |
| | 04/24/16 23:00 PST | | 0 | Source: Public |
| Public report of 1.25 inch hail from thunderstorm in Tulare California in Tulare County was received via Facebook. | | | | |
| Cold frontal passage associated with low pressure system located over the Great Basin in southern Nevada moved southeastward through central California producing severe thunderstorms due to large hail. | | | | |
| (CA-Z099) SE KERN CTY DESERT | | | | |
| | 04/25/16 13:00 PST | | 0 | High Wind (MAX 53 kt) |
| | 04/25/16 14:30 PST | | 0 | |
| A Pacific Northwest low pressure system moving southeast into the Great Basin area in southern Nevada region and the cold front associated with this low continued to move through south central California region. Strong upper southeasterly jet streak moving around the periphery of the aforementioned low and accompanying jet dynamics coupled with strong pressure gradients brought strong winds to the Kern County Desert areas. | | | | |
| MERCED COUNTY --- 0.7 S ATWATER MUNI ARPT [37.32, -120.60] | | | | |
| | 04/27/16 18:45 PST | | 0 | Heavy Rain |
| | 04/27/16 19:20 PST | | 0 | Source: Law Enforcement |
| Report received of road ponding at Taylor Jean Avenue and Elliot Avenue in Atwater by California Highway Patrol. | | | | |
| Pacific low pressure system moved southeastward over the central California region creating rain and thunderstorms across central California. | | | | |