

REPORT FOR:  
**MONTHLY REPORT OF RIVER AND  
FLOOD CONDITIONS** MONTH: **September** YEAR: **2022**

**TO:** Hydrometeorological Information Center, W/OH12x1      **SIGNATURE:** Andy Bollenbacher  
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**DATE:** Oct 13<sup>th</sup>, 2022

When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts and hydrologic products issued (WSOM E-41).

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| | An **X** inside this box indicates no flooding occurred for the month within this hydrologic service area.  
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September started off very hot and dry across the HSA as a ridge of high pressure prevailed over the region. Isolated thunderstorms happened in the Sierra Nevada and Mojave Desert, but produced limited to no precipitation during the first 10 days of the month. The situation changed at the 9<sup>th</sup> of the month when Tropical Cyclone Kay began to impact the HSA and advected moisture into the region. The remnants of Kay allowed for showers and thunderstorms to form over the Sierra Nevada and Kern County Mountains September 10<sup>th</sup> through the 13<sup>th</sup>. There were a few instances of heavy rain in thunderstorms over the Sierra Nevada on September 11<sup>th</sup>, with one debris/ash flow that occurred over the KNP burn scar that shut down Highway 180 in Tulare County. The following day a couple of stationary thunderstorms formed over the Tehachapi Mountains, which lead to a few instances of flooding and impressive rainfall rates. Areas near Stallion Springs in Kern County were getting around 2" per hour rainfall rates on the afternoon of the 12<sup>th</sup> which was measured by multiple Personal Weather Stations. Shower and thunderstorm activity greatly diminished on the 13<sup>th</sup> of the month as the moisture tap became less favorable.

Dry weather lasted for a few more days before an unseasonably cold and wet system brought showers across the San Joaquin Valley and the Sierra Nevada. Valley rain occurred on September 19<sup>th</sup>, mainly north of Kern County along with showers in the Sierra Nevada. Up to 2" of snow fell over Tioga Pass with this system, but the road remained open. Snow levels generally remained above 8,000 feet with this system. Areas just below the snow line in the Sierra Nevada recorded up to 1" of rain. After this event, the HSA remained dry and high temperatures began to rebound as high pressure resumed over the region.

Bakersfield (BFL) – 0.00"

Fresno (FAT) – 0.06"

Hanford (HJO) – 0.02"

Madera (MAE) – 0.54"

Hanford (HJO) – 0.20"

Drought conditions were unchanged across the HSA despite some areas being well above normal precipitation totals for the month of September due to dry long term trends. (D4, Exceptional Drought, Fig 2).

## **HYDROLOGIC PRODUCTS ISSUED THIS MONTH**

### **FLASH FLOOD WARNINGS\***

Kern/Stallion Springs

1154 AM PDT Mon Sep 12 2022

\*Note: Flash Flood Statements were issued as follow-ups to the initial Flash Flood Warnings.

### **FLASH FLOOD WATCHES**

\*No Flash Flood Watches were issued in the HSA in September\*

### **FLOOD ADVISORIES**

Kern/Mojave Desert

117 PM PDT Sun Sep 11 2022

Tulare/Giant Forest

342 PM PDT Sun Sep 11 2022

Fresno/Tulare – Grant Grove

444 PM PDT Sun Sep 11 2022

Kern/Tehachapi Mountains

1140 AM PDT Mon Sep 12 2022

Kern/Breckenridge

150 PM PDT Mon Sep 12 2022

Fresno/Madera – Sierra Nevada

431 PM PDT Mon Sep 12 2022

Kern/California City

522 PM PDT Mon Sep 12 2022

### **FLOOD LSR'S**

#### **1155 PM PDT SUN SEP 11 2022**

A MUDSLIDE OCCURRED ON THE GENERALS HIGHWAY BETWEEN QUAIL FLAT AND THE INTERSECTION WITH HIGHWAY 180, RESULTING IN A LENGTHY ROAD CLOSURE.

#### **105 PM PDT MON SEP 12 2022**

FACEBOOK REPORT OF FLOODED ROADWAYS IN STALLION SPRINGS. LOCATION ESTIMATED BY RADAR.

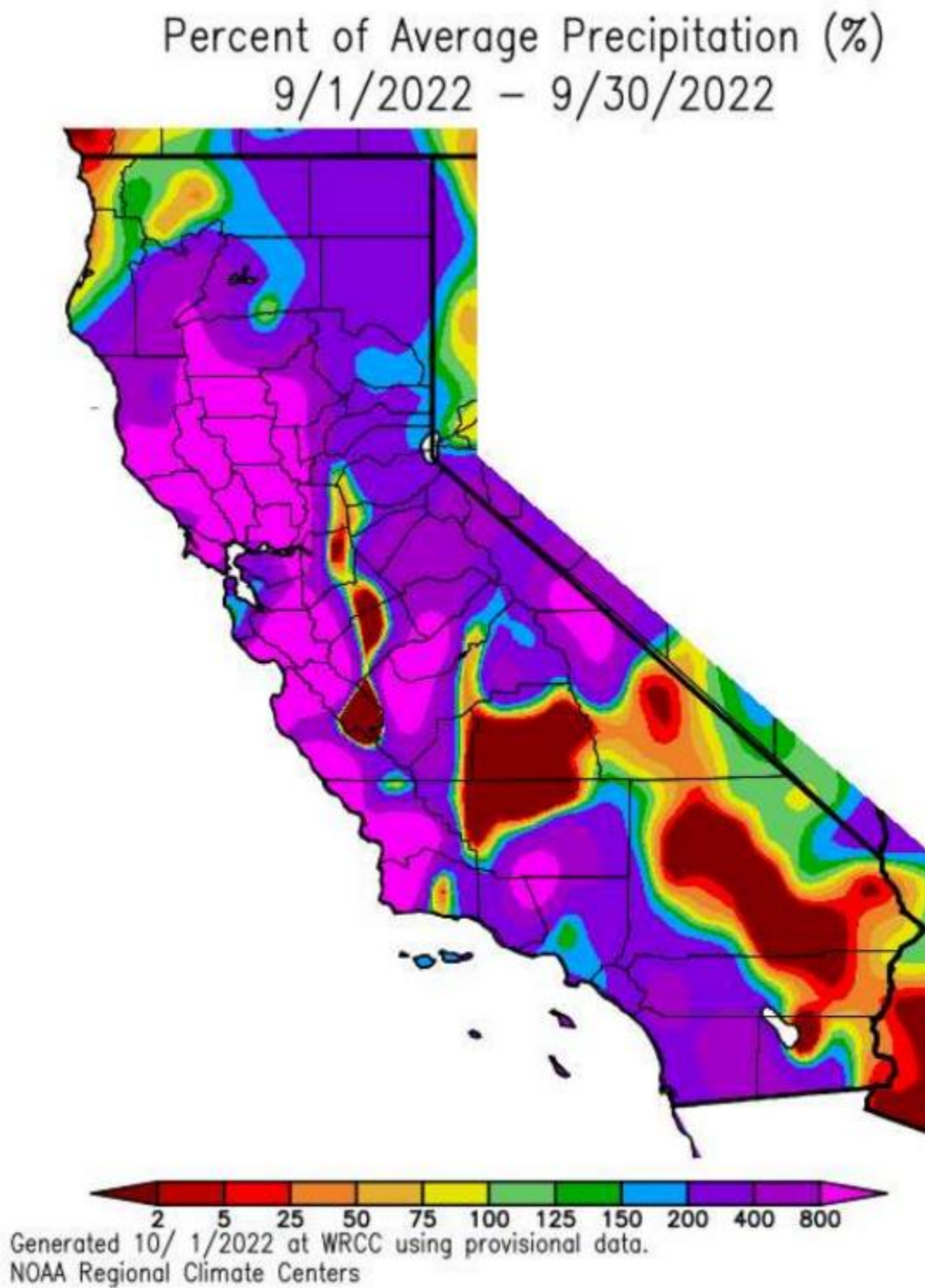
#### **119 PM PDT MON SEP 12 2022**

1.14 INCHES OF RAIN MEASURED AT PWS IN SOUTHERN STALLION SPRINGS IN 30 MINUTES. C1684W STATION ID.

#### **142 PM PDT MON SEP 12 2022**

CHP REPORTS 8 VEHICLES STUCK BEHIND ROADWAY FLOODING CAUSING TRAFFIC JAM NEAR SAND CANYON RD AND PINE CANYON ROAD.

**Fig 1 – Percent of Average Precipitation for September 2022**



**Fig 2 – Drought Status for the state of California**

