

REPORT FOR:
MONTHLY REPORT OF RIVER AND
FLOOD CONDITIONS

MONTH: **August** YEAR: 2022

TO: Hydrometeorological Information Center, W/OH12x1
National Weather Service/Office of Hydrology
1325 East-West Highway #7116
Silver Spring, MD 20910

SIGNATURE: Andy Bollenbacher
(In Charge of Hydrologic Service Area)

DATE: Oct ^{3rd}, 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).

+---+
| | An **X** inside this box indicates no flooding occurred for the month within this hydrologic service area.
+---+

The month of August started with a push of monsoonal moisture that led to thunderstorm activity and heavy rain across Kern County and parts of the Sierra Nevada. Instances of minor street flooding occurred in Tehachapi in the early afternoon. Thunderstorm activity persisted across the desert portion of Kern County on August 1st, which led to another instance of flooding in Jawbone Canyon. Shower and thunderstorm activity was confined to the higher elevations of the Sierra Nevada on August 2nd as southwesterly flow led to drier conditions. Moonsonal activity saw an increase in activity on August 3rd through August 5th across the HSA, which even led to measurable precipitation in parts of the San Joaquin Valley. A dozen Flash Flood Warnings were issued on August 4th across various parts of the HSA as influxes of monsoonal moisture continued. Madera and Hanford both set records for daily precipitation on August 5th with a Trace and .02 inches of rain at each respective ASOS station. On August 5th there were even instances of measurable rain in the San Joaquin Valley which is rare for the month of August. After the 5th of August, dry weather resumed across the HSA as high pressure prevailed over the area for the next week and a half. Shower activity resumed by the middle of the month and increased in coverage by August 17th as influxes of monsoonal moisture passed through the HSA. There were some instances of thunderstorms with this monsoonal push, but nothing strong enough to trigger a Flash Flood Warning. Very hot weather continued through the rest of the month, with a few instances of higher elevation convection in the Sierra Nevada. For the most part the HSA was dry the last 10 days of the month.

Bakersfield (BFL) – Trace

Fresno (FAT) – 0.05

Hanford (HJO) – 0.02

Madera (MAE) – Trace

Hanford (HJO) – 0.00

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

HYDROLOGIC PRODUCTS ISSUED THIS MONTH

FLASH FLOOD WARNINGS*

Kern – Tehachapi	1246 PM PDT Mon Aug 1 2022
Kern – Walker Pass	140 PM PDT Mon Aug 1 2022
Tulare – Sierra Nevada	1239 PM PDT Thu Aug 4 2022
Fresno/Tulare – Sierra Nevada	123 PM PDT Thu Aug 4 2022
Kern – Lake Isabella	144 PM PDT Thu Aug 4 2022
Kern – Pine Mountain Club	208 PM PDT Thu Aug 4 2022
Tulare – Sierra Nevada	217 PM PDT Thu Aug 4 2022
Mariposa/Tuolumne – Sierra Nevada	222 PM PDT Thu Aug 4 2022
Kern – Tehachapi	240 PM PDT Thu Aug 4 2022
Madera – Sierra Nevada	405 PM PDT Thu Aug 4 2022
Tulare – Sierra Nevada	411 PM PDT Thu Aug 4 2022
Fresno – Sierra Nevada	414 PM PDT Thu Aug 4 2022
Kern – Tehachapi	438 PM PDT Thu Aug 4 2022
Kern/Tulare Sierra Nevada	524 PM PDT Thu Aug 4 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 August

FLOOD ADVISORIES

Kern – Mojave Desert	206 PM PDT Mon Aug 1 2022
Kern – Indian Wells Canyon	232 PM PDT Mon Aug 1 2022
Fresno – High Sierra	504 PM PDT Wed Aug 3 2022
Madera – High Sierra	507 PM PDT Wed Aug 3 2022

FLOOD LSR'S

115 PM PDT MON AUG 1 2022 – BROADCAST MEDIA REPORT OF STREET FLOODING IN DOWNTOWN TEHACHAPI.

259 PM PDT MON AUG 1 2022 – CALIFORNIA HIGHWAY PATROL REPORTED THAT THE INTERSECTION OF SR 14 AND JAWBONE CANYON RD. IS FLOODED OVER COMPLETELY.

Fig 1 – Percent of Average Precipitation for August 2022

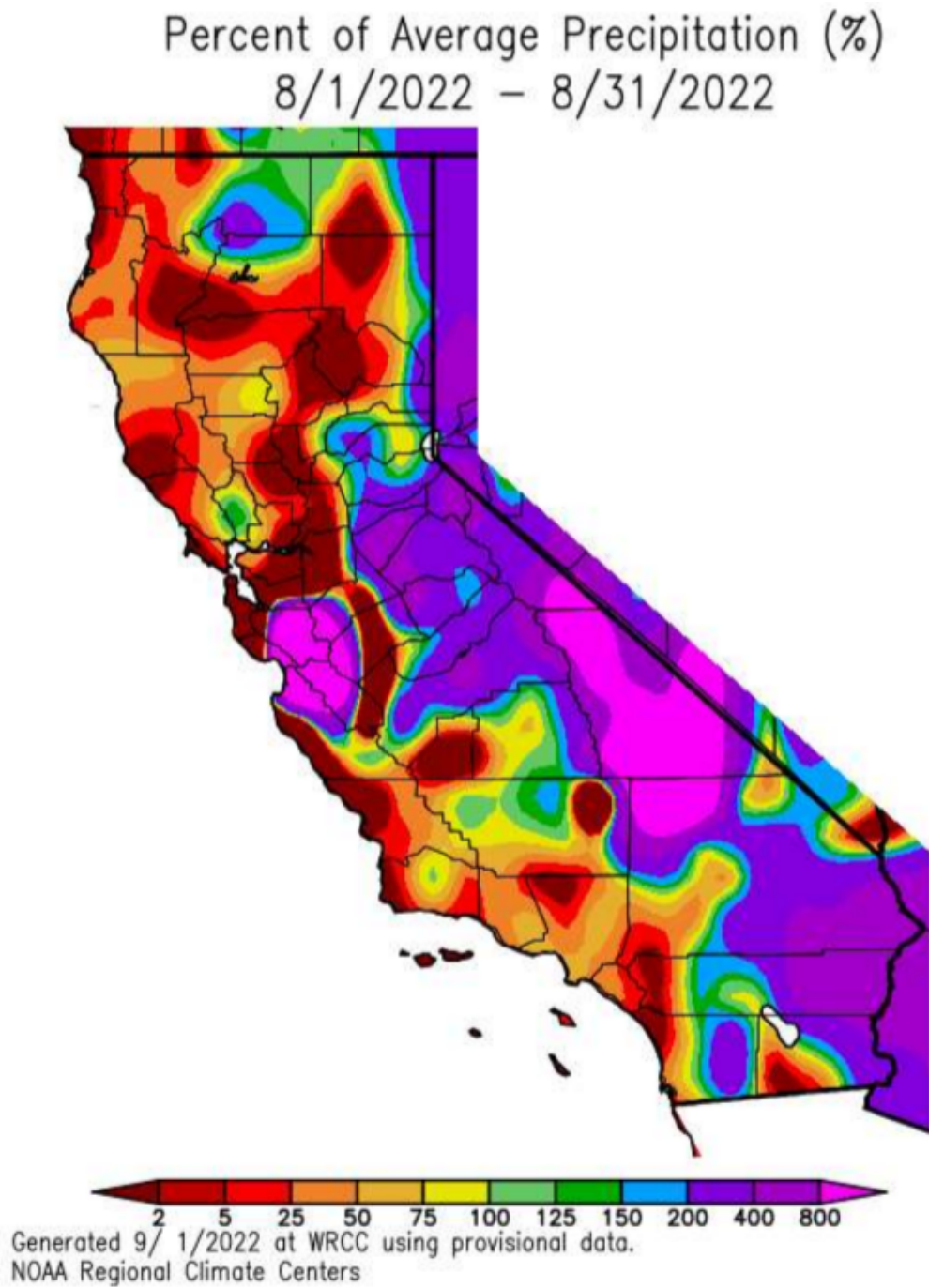


Fig 2 – Drought Status for the state of California

