

NWS FORM E-5 U.S. DEPARTMENT OF COMMERCE HYDROLOGIC SERVICE AREA:
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE **SAN JOAQUIN VALLEY - HANFORD, CA**

REPORT FOR:
MONTHLY REPORT OF RIVER AND
FLOOD CONDITIONS

MONTH: **July** YEAR: 2022

TO: Hydrometeorological Information Center, W/OH12x1
National Weather Service/Office of Hydrology
Area)

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Silver Spring, MD 20910

SIGNATURE: Andy Bollenbacher
(In Charge of Hydrologic Service)

DATE: Sept 29th, 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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| X | An **X** inside this box indicates no flooding occurred for the month within this hydrologic service area.

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July continued to be another dry month across the HSA as ridging across the region led to above average temperatures for the month. The first two weeks of July had no rainfall across the San Joaquin Valley, Kern Desert, or the Sierra Nevada & Foothills. Thunderstorm activity occurred across the Sierra Nevada and Foothills, as well as the Kern County desert by 16th through the 19th. Some showers even made it into the San Joaquin Valley, but little to no rainfall measurement was recorded. Dry weather resumed as a strong ridge of high pressure built over the HSA towards the end of the month. By the 26th of July, monsoonal moisture began to make its way into the region as south to southeasterly flow entered the area. Scattered afternoon thunderstorms occurred in the Sierra Nevada leading to rainfall of 1 quarter to 1 half of an inch. Thunderstorm activity increased towards the end of the month, but was confined to the Kern County Mountains and Desert, and the Sierra Nevada, mostly Fresno County and southward. One Flash Flood Watch was issued for July 31st in the Sierra Nevada, however, due to the potential for heavy rain and debris flows in recently burned areas due to monsoonal thunderstorms. This rainfall did help parts of Kern County achieve near normal precipitation for the month, but was not enough to help the broader drought situation. Overall, river flows continued to be at record low flows as the drought situation worsened.

Bakersfield (BFL) – Trace

Fresno (FAT) – Trace

Hanford (HJO) – 0.00

Madera (MAE) – 0.00

Hanford (HJO) -- Trace

Drought conditions degraded across the HSA due to most areas receiving little to no rainfall, with nearly the entire HSA degraded to the Exceptional Drought category (D4, Exceptional Drought, Fig 2).

HYDROLOGIC PRODUCTS ISSUED THIS MONTH

FLASH FLOOD WARNINGS*

East Central Tulare County – Sierra Nevada
Northern Kern/Southeastern Tulare

130 PM PDT Sun Jul 31 2022
230 PM PDT Sun Jul 31 2022

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

FLASH FLOOD WATCHES

Tulare/Fresno – Sierra Nevada

1157 AM PDT Sat Jul 30 2022

FLOOD ADVISORIES

Tulare/Fresno – Sierra Nevada
Fresno – Sierra Nevada
Madera/Mariposa – Sierra Nevada
Kern/Tulare – Sierra Nevada
Kern – Indian Wells Canyon

329 PM PDT Sat Jul 16 2022
508 PM PDT Sat Jul 16 2022
212 PM PDT Sun Jul 31 2022
420 PM PDT Sun Jul 31 2022
514 PM PDT Sun Jul 31 2022

Fig 1 – Percent of Average Precipitation for July 2022

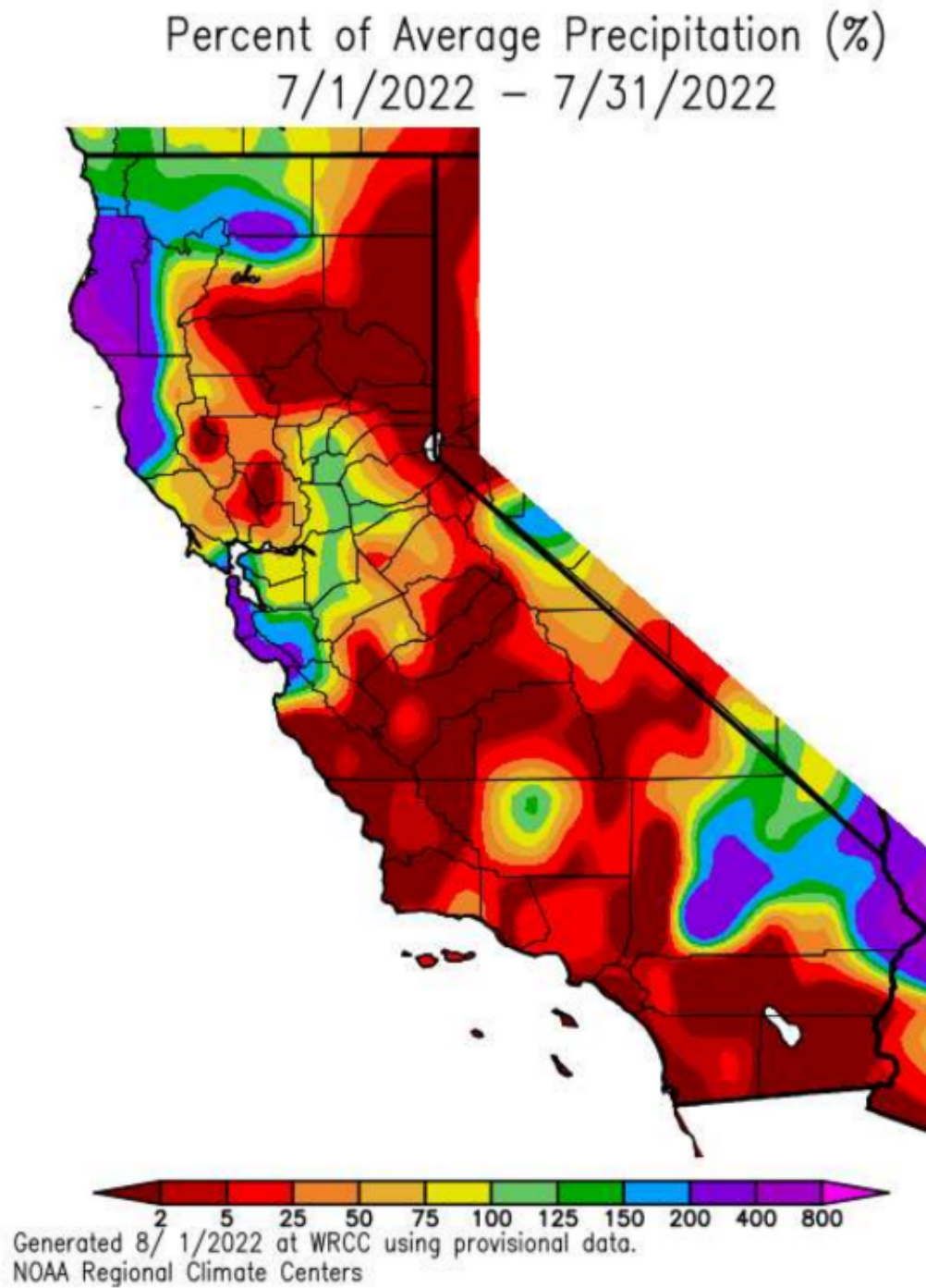


Fig 2 – Drought Status for the state of California

