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: November year: 2022

TO: Hydrometeorological Information Center, W/OH12x1	SIGNATURE: Andy Bollenbacher		
National Weather Service/Office of Hydrology	(In Charge of Hydrologic Service Area)		
1325 East-West Highway #7116			
Silver Spring, MD 20910			
	DATE: Dec 20 th , 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 + x + a An **X** inside this box indicates no flooding occurred for the month within this hydrologic service area.

The month of November marked a change in the extremely dry pattern the Central California interior has seen in previous months. A couple of storms systems early in the month brought light valley rain and mountain snow that lead to the closure of Tioga Pass on the 4th of November. Another system impacted the forecast region leading to showers on the 7th of November with the front passing through morning of the 8th. This lead to moderate valley rain and heavy mountain snow. The cold core allowed instability to form over the valley, so thunderstorms occurred in the afternoon. This led to scattered moderate to heavy rain in thunderstorms the formed. Up to 2.5 feet of snow was recorded in the Sierra Nevada with this storm. Precipitation in the Sierra Nevada and foothills near Yosemite and Mariposa County was 4 to 5 inches, helping the drought situation slightly, but not enough to change the drought level in these locations through the end of the month. D4 conditions continued for most of the San Joaquin Valley, Foothills, and Kern County Mountains (Fig2.). River flow conditions remained at very low flows through the month of November. Drought conditions remained unchanged in the month of November 2022 from October 2022 despite parts of the Sierra Nevada and southern portion of the SJ Valley receiving above average rainfall for the month.

ASOS rainfall totals for the month of November:

0.99″
0.50"
0.66"
0.59"
0.66"

HYDROLOGIC PRODUCTS ISSUED THIS MONTH

FLASH FLOOD WARNINGS*

*No Flash Flood Warning issued in the month of November in the HSA.

FLASH FLOOD WATCHES

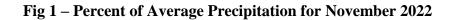
*No Flash Flood Watches were issued in the HSA in November.

FLOOD ADVISORIES

*No Flood Advisories were issued in the HSA in November.

FLOOD LSR'S

None



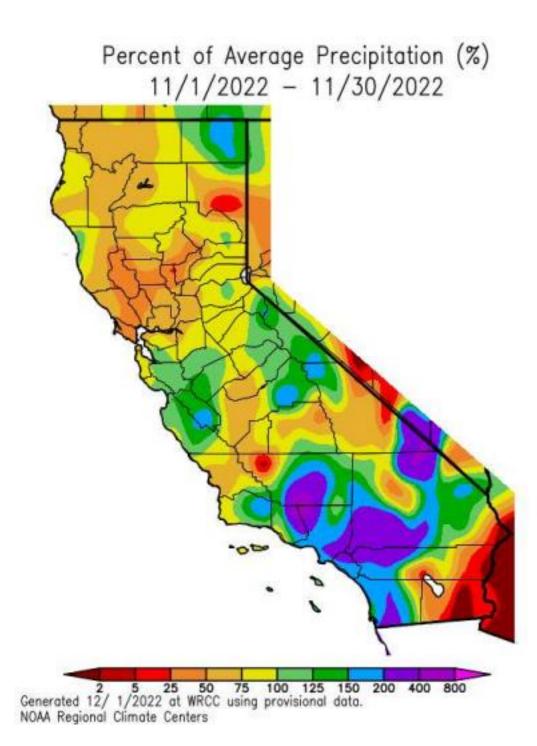
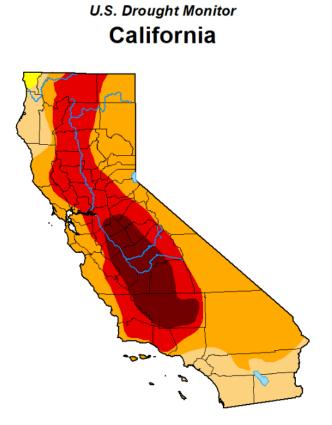


Fig 2 – Drought Status for the state of California



November 29, 2022 (Released Thursday, Dec. 1, 2022)

Valid 7 a.m. EST

Drought Conditions (Percent Area)								
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4		
Current	0.00	100.00	99.48	84.97	40.92	12.73		
Last Week 11-22-2022	0.00	100.00	99.48	84.97	40.92	12.73		
3 Month s Ago 08-30-2022	0.00	100.00	99.76	97.52	40.18	16.57		
Start of Calendar Year 01-04-2022	0.00	100.00	99.30	67.62	16.60	0.84		
Start of Water Year 09-27-2022	0.00	100.00	99.76	94.01	40.91	16.57		
One Year Ago 11-30-2021	0.00	100.00	100.00	92.43	80.28	28.27		

Intensity:

None D0 Abnormally Dry

D2 Severe Drought D3 Extreme Drought D1 Moderate Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to https://droughtmonitor.uni.edu/About.aspx

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droughtmonitor.unl.edu