

RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: NOVEMBER 13, 2023

GENERAL MANAGER'S REPORT

SUBJECT: MONTHLY WATER REPORT – SEPTEMBER 30, 2023

Total water production (potable and non-potable) was 6,456 acre-feet (AF). For Fiscal Year 2023-24 to date, total water production and deliveries of 21,991 AF decreased by 3,432 AF (14%) from last fiscal year, as shown in Figure 1. Total production by calendar year is shown in Figure 2. The annual rolling production totals by month are shown in Figure 3. In September, the peak water usage on the potable water distribution system was 73.5 million gallons per day (MGD) and occurred on September 6, 2023, as shown in Figure 4.

September potable water production totaled 5,636 AF, which decreased from last September by 1,034 AF (16%). Under the Cooperative Surplus Water Sales and Emergency Water Agreements with WMWD and the City of Norco, RPU delivered no water in September.

In September, RPU's Gallons Per-Capita per Day (GPCD) was 200, and its Residential Gallons Per-Capita per Day (R-GPCD) was 112. RPU's annual rolling GPCD was 166, which is below the compliance target specified in SB X7-7 (i.e., 20% reduction by 2020) of 213. RPU's annual rolling R-GPCD was 95, as shown in Figure 5. The new performance standards related to water use efficiency are being finalized. The State Water Resources Control Board has entered a formal rule-making process that will close October 17, 2023. The new performance standards, if approved, are anticipated to be effective after October 2024.

The weather conditions in the City of Riverside showed that September 2023 was cooler by 7.6 degrees compared to September last year and experienced a decrease of .79 inches of rainfall compared to September 2022

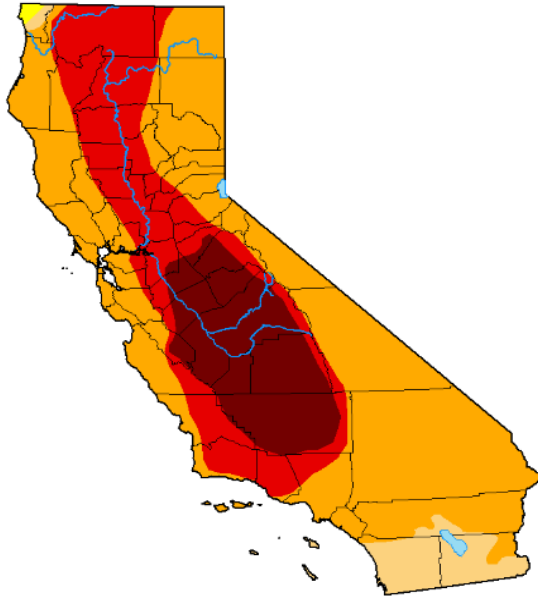
On a regional scale, the link below provides real-time updates on the progression and intensity of the Drought within the State:

<https://droughtmonitor.unl.edu/CurrentMap/StateDroughtMonitor.aspx?CA>

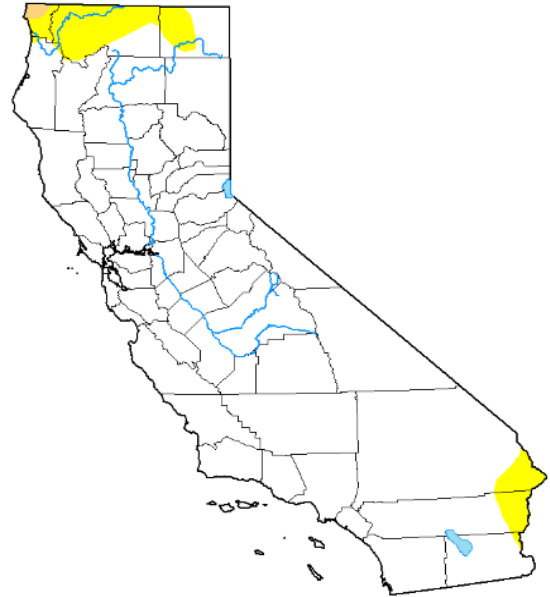
The figures below show the drought conditions throughout the State between September 2022 and September 2023, and an annual class change map for improvement or degradation in the drought conditions.

Drought Classification

- None
- D0 (Abnormally Dry)
- D1 (Moderate Drought)
- D2 (Severe Drought)
- D3 (Extreme Drought)
- D4 (Exceptional Drought)
- No Data

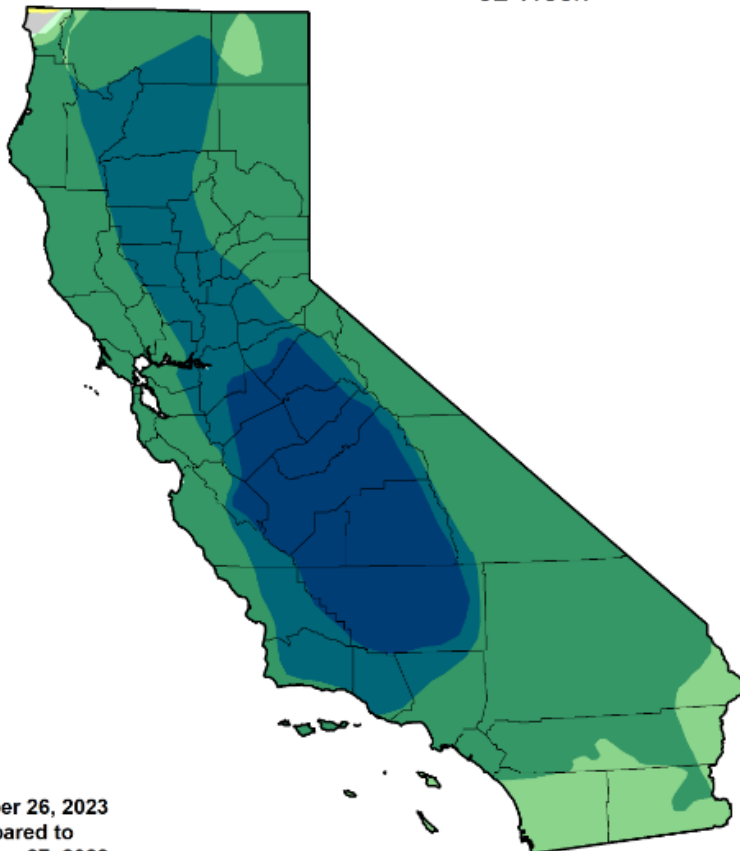


< September 27, 2022 > Download Map



< September 19, 2023 > Download Map

U.S. Drought Monitor Class Change - California 52 Week



September 26, 2023
compared to
September 27, 2022



- 5 Class Degradation
- 4 Class Degradation
- 3 Class Degradation
- 2 Class Degradation
- 1 Class Degradation
- No Change
- 1 Class Improvement
- 2 Class Improvement
- 3 Class Improvement
- 4 Class Improvement
- 5 Class Improvement

droughtmonitor.unl.edu

Significant events for the water system in September 2023.

Date	Site	Issue	Comments	Status
June 21 - Current	Stiles	Pump/Casing	Evaluating	Out of Service
July 2023	Gage 27-2	Motor	Needs Exhaust manifold	Out of Service
September2023	Cooley J	Electrical	Vandalized	Out of Service

Basin Groundwater Levels

Groundwater levels in the Bunker Hill, Rialto-Colton, and Riverside North basins continue to show a cumulative long-term decline, while groundwater levels in the Riverside South Basin remain relatively stable as shown in Figure 6. Water levels in the Bunker Hill Basin increased by 6 feet compared to September of last year. Water levels in the Rialto-Colton Basin increased by 14 feet compared to September of last year. Water levels in the Riverside North Basin increased by 57 feet, while water levels in the Riverside South Basin remained relatively unchanged compared to September of last year.