



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: SEPTEMBER 11, 2023

GENERAL MANAGER'S REPORT

SUBJECT: MONTHLY WATER REPORT – JULY 31, 2023

Total water production (potable and non-potable) was 8,181 acre-feet (AF), including 277 AF produced and wheeled to Western Municipal Water District (WMWD) for the month of July. For Fiscal Year 2023-24 to date, total water production and deliveries of 8,458 AF decreased by 289 AF (3 %) 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 July, the peak water usage on the potable water distribution system was 80.1 million gallons per day (MGD) and occurred on July 10, 2023, as shown in Figure 4.

July potable water production totaled 7,114 AF, which decreased from last July by 241 AF (3%). Under the Cooperative Surplus Water Sales and Emergency Water Agreements with WMWD and the City of Norco, RPU delivered no water in July.

In July, RPU's Gallons Per-Capita per Day (GPCD) was 237, and its Residential Gallons Per-Capita per Day (R-GPCD) was 140. RPU's annual rolling GPCD was 170, 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 98, as shown in Figure 5. The new performance standards related to water use efficiency are being finalized and are set to be adopted in late 2023.

The weather conditions in the City of Riverside showed that July 2023 was warmer by 4.9 degrees compared to July last year.

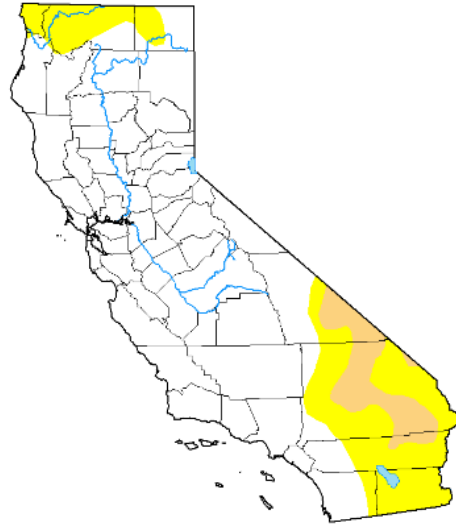
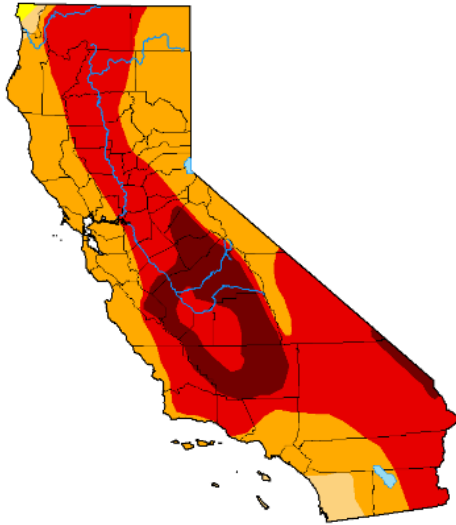
On a regional scale, the link below provides real-time updates on the progression and intensity of the Drought within the State:

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

The figures below show the drought conditions throughout the State between July 2022 and July 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



< July 26, 2022



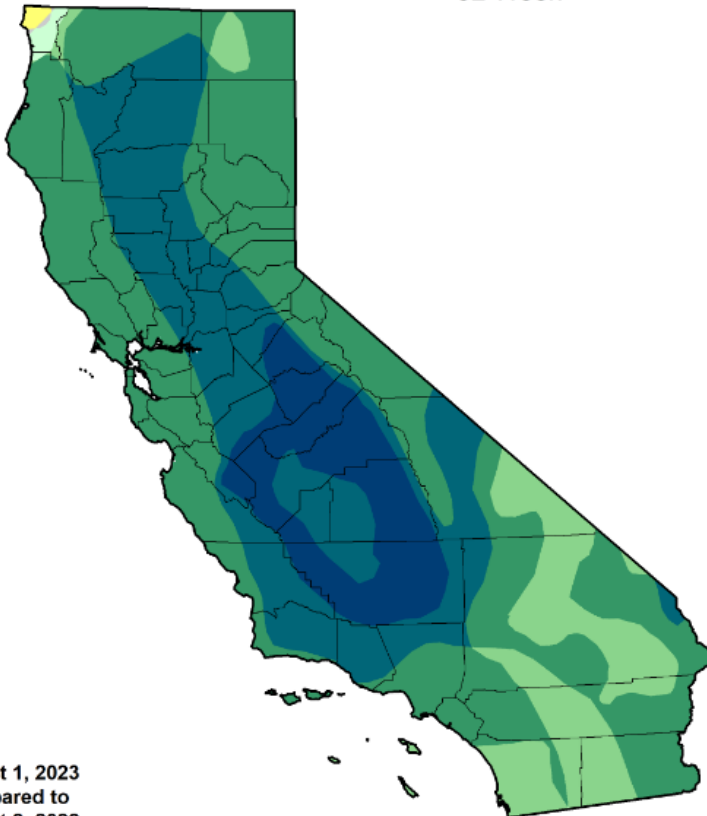
> Download Map

< July 25, 2023



> Download Map

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



August 1, 2023
compared to
August 2, 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 July 2023.

Date	Site	Issue	Comments	Status
July 21 - Current	Stiles	Pump/Casing	Evaluating	Out of Service
January- Current	Garner 6	Well Rehab	Rehab	Out of Service
January - Current	Garner D	Well Rehab	Rehab	Out of Service
April - Current	Gage 29-2		Drilling phase of 29-2R	Out of Service

Basin Groundwater Levels

Groundwater levels in the Bunker Hill, Rialto-Colton, and Riverside North basins continue to show a 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 2 feet compared to July of last year. Water levels in the Rialto-Colton Basin increased by 1 foot compared to July of last year. Water levels in the Riverside North Basin increased by 55 feet, while water levels in the Riverside South Basin remained relatively unchanged compared to July of last year.