



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: September 23, 2024

GENERAL MANAGER'S REPORT

SUBJECT: MONTHLY WATER REPORT – July 31, 2024

Total water production (potable and non-potable) was 8,522 acre-feet (AF). For Fiscal Year 2024-25 to date, total water production and deliveries of 8,522 AF decreased by 220 AF (3%) from last fiscal year, as shown in Figure 1 of the attachment to this report. Total production by calendar year is shown in Figure 2 (attached). The annual rolling production totals by month are shown in Figure 3 (attached). In July, the peak water usage on the potable water distribution system was 84.6 million gallons per day (MGD) and occurred on July 1, 2024, as shown in Figure 4 (attached).

July potable water production totaled 7,357 AF, an increase of 244 AF (3%) from last July. Under its production, conveyance, and emergency water supply agreements, the water division wheeled 193 AF of potable water to the Western Municipal Water District and wholesaled 73 AF of potable water to the City of Norco in July.

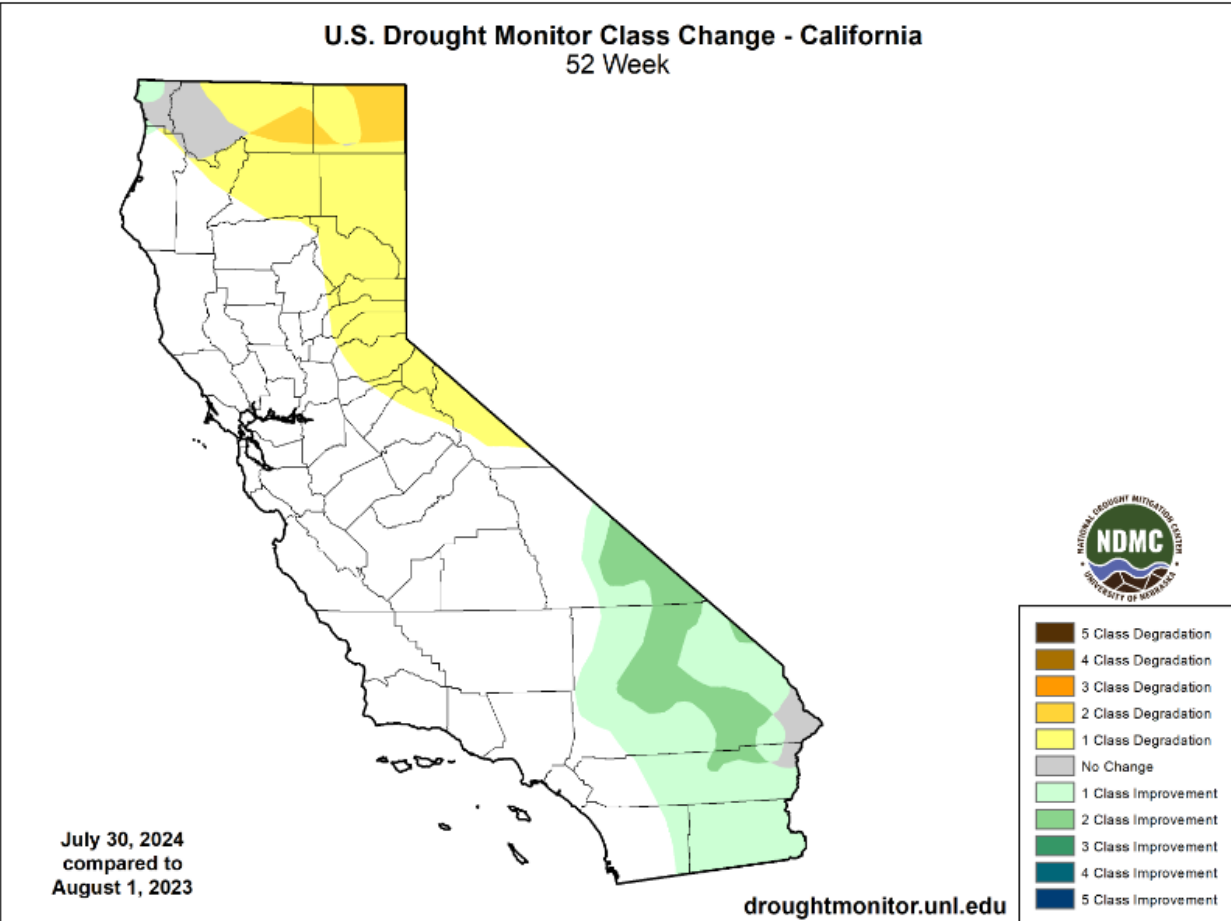
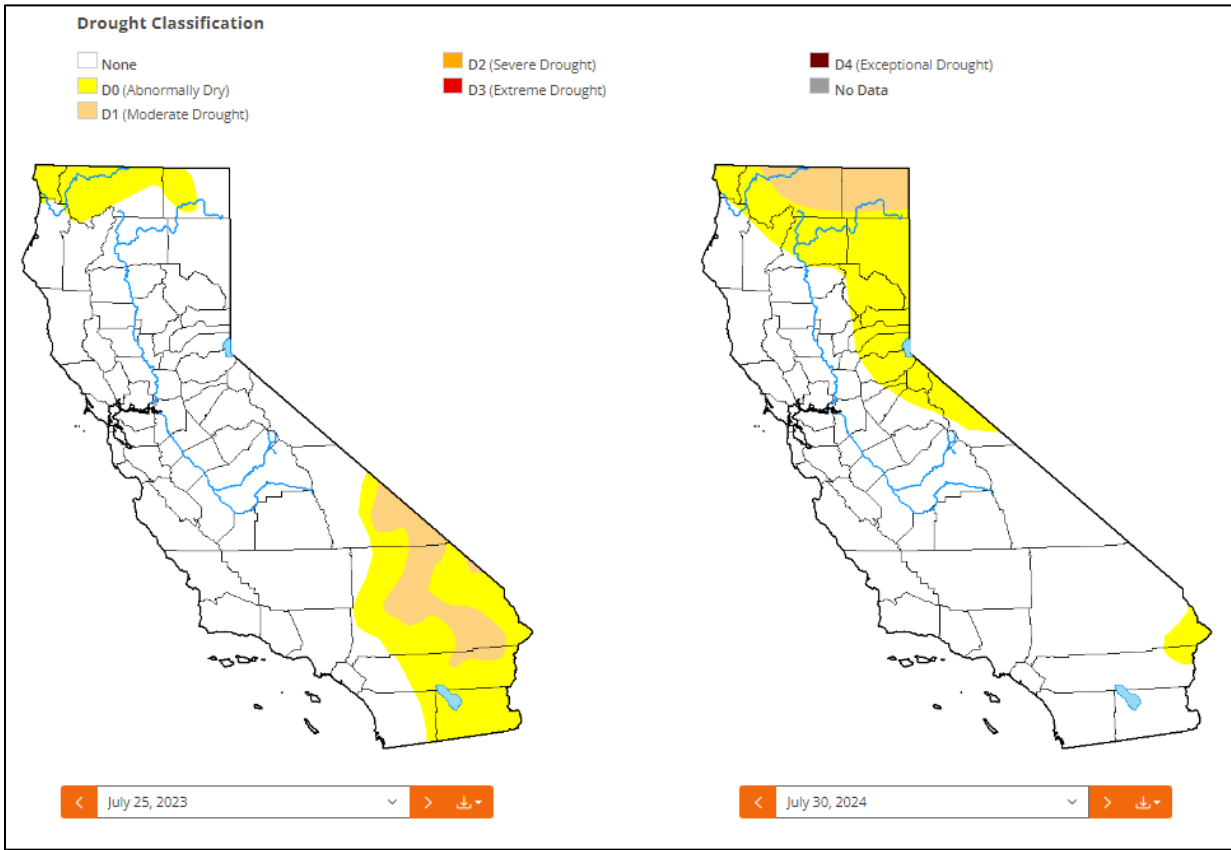
In July, RPU's Gallons Per-Capita per Day (GPCD) was 241, and its Residential Gallons Per-Capita per Day (R-GPCD) was 139. RPU's annual rolling GPCD was 172, which is below the compliance target specified in SB X7-7 (i.e., 20% reduction by 2020) of 213. RPU's annual rolling R-GPCD was 97, as shown in Figure 5 (attached). On July 3, 2024, the State Water Resources Control Board adopted the 'Making Conservation a California Way of Life' regulation, which includes new performance standards. These standards are expected to become effective on January 1, 2025.

The weather conditions in the City of Riverside showed that July 2024 was cooler by .9 degrees compared to July 2023.

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 maps below show the drought conditions throughout the State between July 2023 and July 2024, and an annual class change map for improvement or degradation in the drought conditions.



Significant events for the water system in July 2024.

Date	Site	Issue	Comments	Status
Jan-24	Gage 56-1	Motor		Out of Service
Jul-24	Gage 51-1	Motor	Estimated repair-2 weeks	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 described below and shown in Figure 6 (attached).

- Water levels in the Bunker Hill Basin increased by 3 feet compared to July of last year.
- Water levels in the Rialto-Colton Basin increased by 22 feet compared to July of last year.
- Water levels in the Riverside North Basin increased by 17 feet compared to July of last year.
- Water levels in the Riverside South Basin remained relatively unchanged compared to July of last year.

Since 1994, RPU has invested in capital improvement projects such as stormwater capture in the Bunker Hill Basin to mitigate declining water levels in its groundwater basins and support Riverside's primary water supply source. These stormwater capture projects will become operational this spring, with full implementation in early spring 2025. The project will have the capacity to capture up to 80,000 AF of stormwater in any wet year, supporting groundwater levels in Riverside's groundwater wells while increasing Riverside's extraction rights as set by the Western-San Bernardino Watermaster.