



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: SEPTEMBER 12, 2022

GENERAL MANAGER'S REPORT

SUBJECT: MONTHLY WATER REPORT – JULY 31, 2022

In July, RPU's total water production was 8,747 acre-feet (AF) as shown in Figures 1 and 2. RPU's annual rolling production totals by month are shown in Figure 3. In July, the peak water usage on the potable water distribution system was 81.7 million gallons per day (MGD) and occurred on July 18, 2022, as shown in Figure 4.

RPU's potable water supply, including deliveries to Western Municipal Water District (WMWD), and the City of Norco totaled 7,355 AF, which increased from last July by 3 AF. Under the Cooperative Agreement for Water Production and Conveyance with WMWD, 418 AF was wheeled to WMWD during July. During fiscal year 2022/23, a total of 418 AF of potable water has been delivered to WMWD. And under the Agreement for the Sale of Surplus Potable Water and Emergency Water, RPU delivered 0 AF to Norco in July 2022.

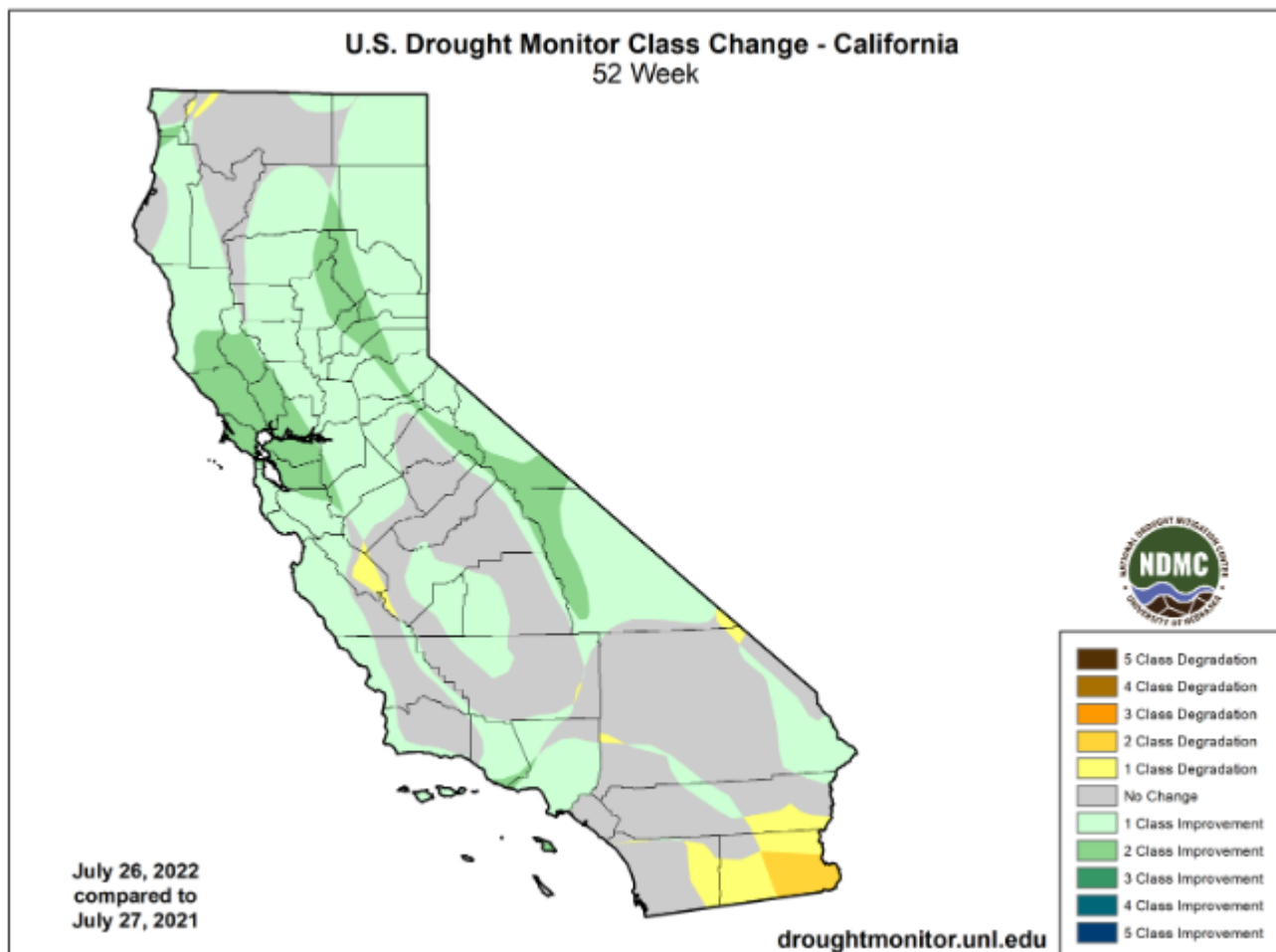
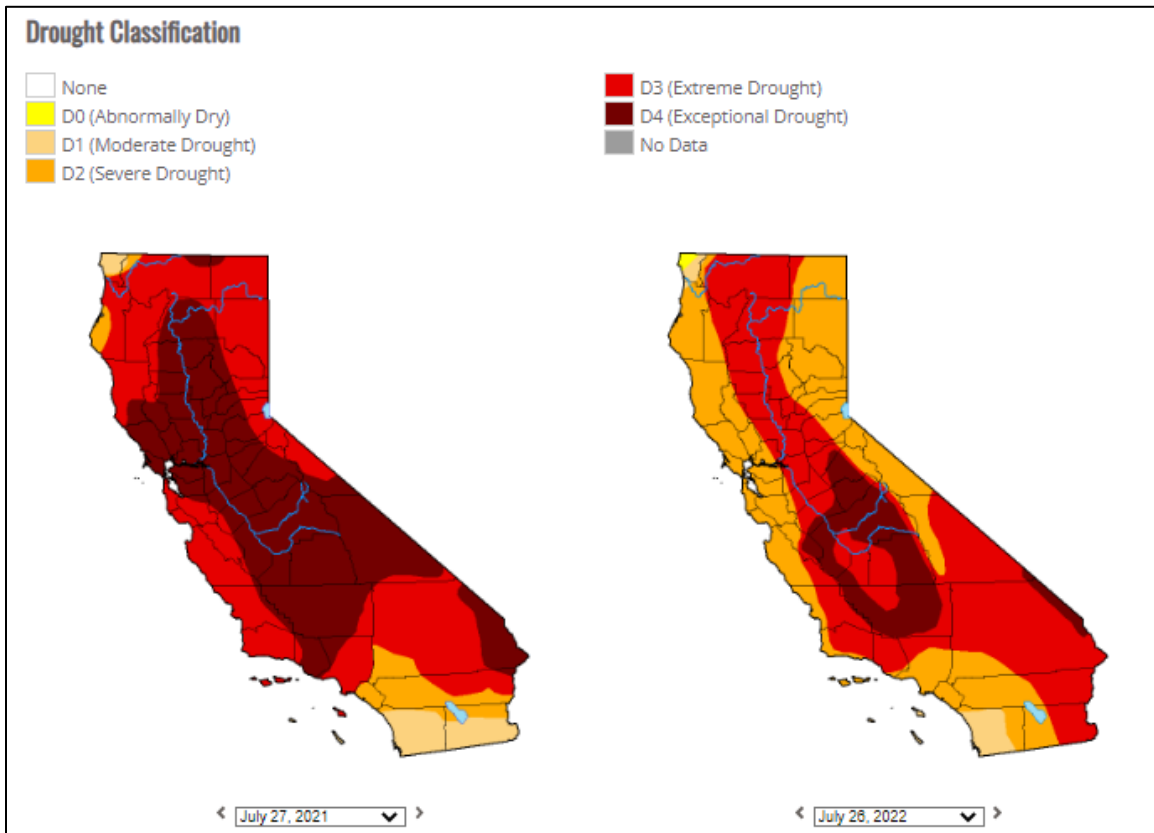
In July, RPU's Gallons Per-Capita per Day (GPCD) was 236, and its Residential Gallons Per-Capita per Day (R-GPCD) was 138. RPU's annual rolling GPCD was 193, which is below the compliance target specified in SB X7-7 (i.e., 20% reduction by 2020) of 213. RPU's annual rolling R-GPCD was 112 as shown in Figure 5. The new performance standards related to water use efficiency are being finalized and will be implemented in 2023.

Weather conditions within the City of Riverside showed that July of 2022 was cooler by 1.6 degrees from July last year and experienced a decrease of 0.12 inches of rainfall compared to July 2021.

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 2021 and July 2022, and an annual class change map for improvement or degradation in the drought conditions.



There were no significant events for the water system in July 2022.

Drought:

Due to persistent and extreme drought conditions, Governor Newsom issued Executive Order N-7-22 on March 28, 2022, requiring the State Water Resources Control Board to adopt an emergency regulation for urban water conservation. The emergency drought regulation requires water providers to implement Level 2 shortage response actions identified in the supplier's water shortage contingency plan for a shortage level of 10-20% of the State's standard shortage levels. Locally, this corresponds to Riverside's Stage 2 (15% demand reduction) – Minimum Water Shortage Level.

The table below shows the RPU potable demand consumption data compared to the same month of last year. The RPU potable demand includes residential and commercial potable water only. It does not include recycled water. With slightly less demand, the demand reduction for July 2022 is about 6% compared to July of last year.

Reporting Month	Jul-21	Jul -22
County Under Drought Declaration	No	Yes
Water Shortage Contingency Plan Level	1	2
Residential Use Percentage	59.07%	58.44%
CII Water (AF)	2,634	2,486
Commercial Agricultural Water (AF)	184	194
Total Potable Water Production (AF)	7,352	6,937
Estimated R-GPCD (Residential and CII only)	143	138
Target Savings	-	15%
Actual Savings	-	6%
Recycled Water (AF)	28	27

Basin Groundwater Levels

Groundwater levels in the Bunker Hill, Rialto-Colton, and Riverside North basins are continuing to show a long-term declining trend, while groundwater levels in the Riverside South Basin remain relatively stable as shown in Figure 6. Water levels decreased by 13 feet in the Bunker Hill Basin compared to July of last year. Water levels in the Rialto-Colton Basin decreased by 2 feet compared to July of last year. Water levels in the Riverside North Basin decreased by 5 feet while water levels in the Riverside South Basin remained relatively unchanged compared to July of last year.