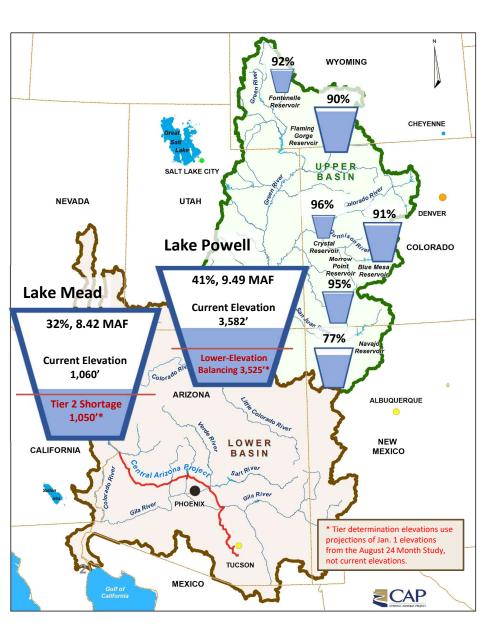
# Colorado River Water Supply Report August 2023

**Orestes Morfin** Senior Planning Analyst

**CAWCD Board Meeting** *August 3, 2023* 

Colorado River Water Supply Report





#### **Colorado River Water Supply Report**

As of July 23, 2023

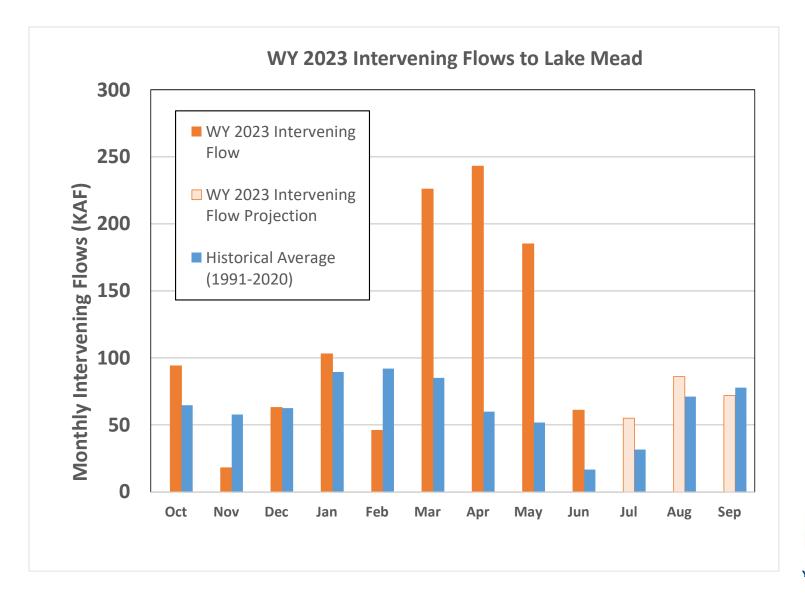
System Contents: 25.95 MAF

Last Year System Contents: 20.13 MAF

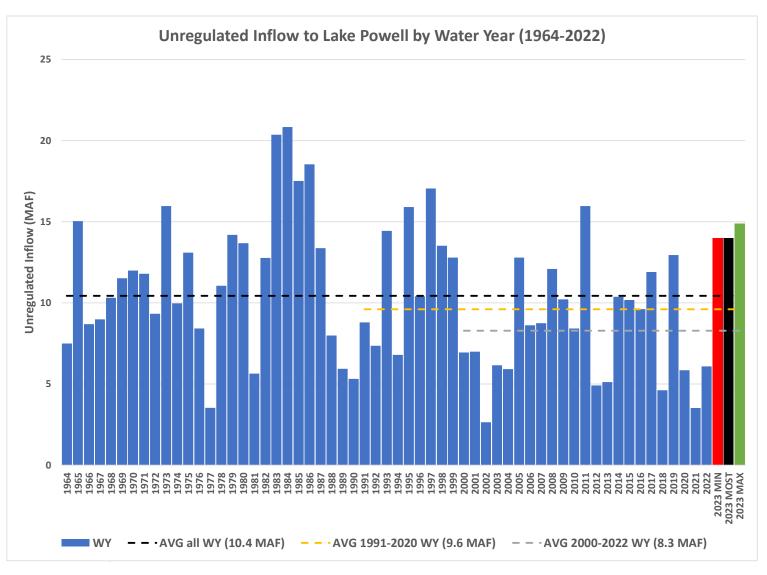
Reservoir Capacities (MAF)			
Reservoir	Current	Change*	Maximum
Lake Mead	8.42	+ 0.28	26.12
Lake Powell	9.49	+ 0.02	23.31
Flaming Gorge Reservoir	3.32	+ 0.11	3.67
Fontenelle Reservoir	0.31	0.00	0.33
Navajo Reservoir	1.27	- 0.02	1.65
Blue Mesa Reservoir	0.75	- 0.01	0.82
Morrow Point Reservoir	0.11	0.00	0.12
Crystal Reservoir	0.02	0.00	0.02

\*With respect to previous month's report









<u>Water Year 2023 Forecast</u><sup>7</sup> July Min Prob = 14.00 MAF (146%) July Most Prob = 14.00 MAF (146%) Apr Max Prob = 14.9 MAF (155%)

Mid July Update ( released July 17) July Most Prob = 13.90 MAF (145%)

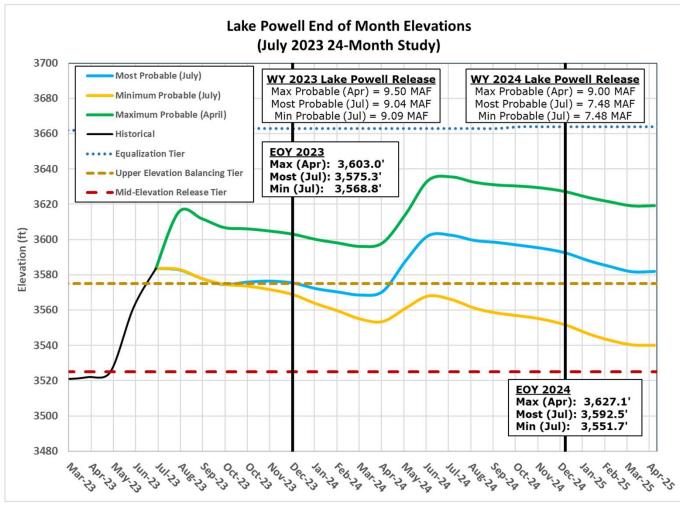
> CAP CENTRAL ARIZONA PROJECT

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<sup>1</sup>Water Year statistics are based on the 30-year period of record from 1991-2020, Average 1991-2020 – 9.60 maf

### Lake Powell July 2023 24-Month Study

- Lake Powell releases decreased to 9.0 MAF in WY2023, with balancing releases evaluated each remaining month of the water year
- WY2023 Max is 9.5 MAF, Min is 9.0 MAF
- Max Probable is from April

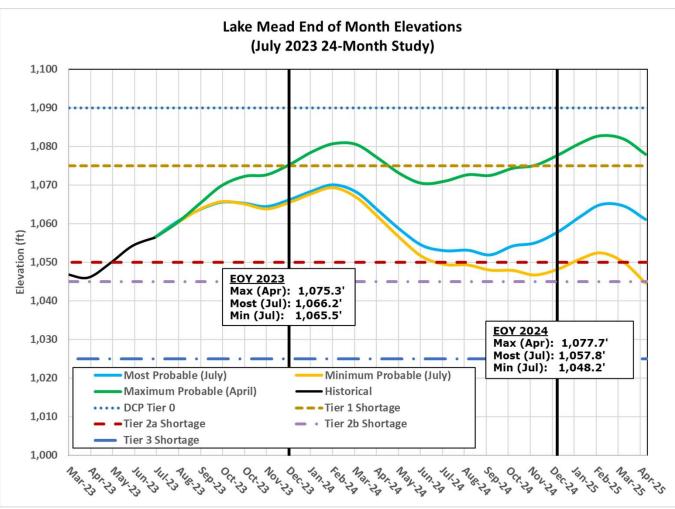






## Lake Mead July 2023 24-Month Study

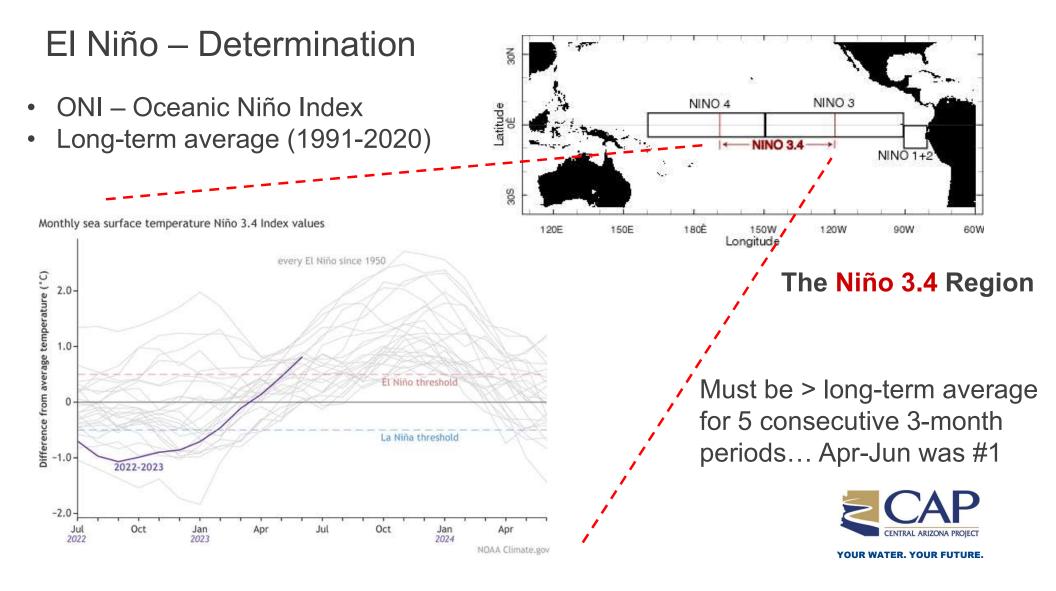
- Lake Mead is operating in Tier 2a shortage condition in 2023
- Lake Mead is currently projected to be in Tier 1 for 2024
- Tier determinations are based on physical elevations





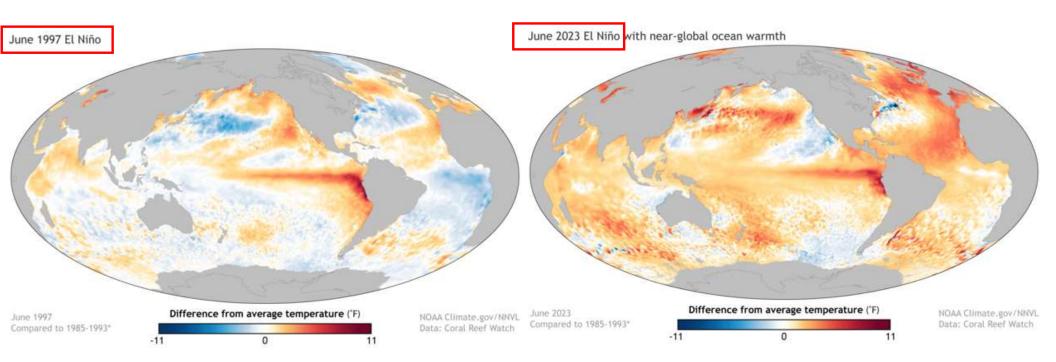
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#### Sea-Surface Temp. Anomaly (SSTA)

8



Difference from the 1985-1993 Average

