

Colorado River Water Supply Report October 2023

Vineetha Kartha
Colorado River Programs Manager

CAWCD Board Meeting
October 5, 2023

1

Colorado River Water Supply Report



YOUR WATER. YOUR FUTURE.

Colorado River Water Supply Report

As of September 24, 2023

System Contents: 25.37 MAF

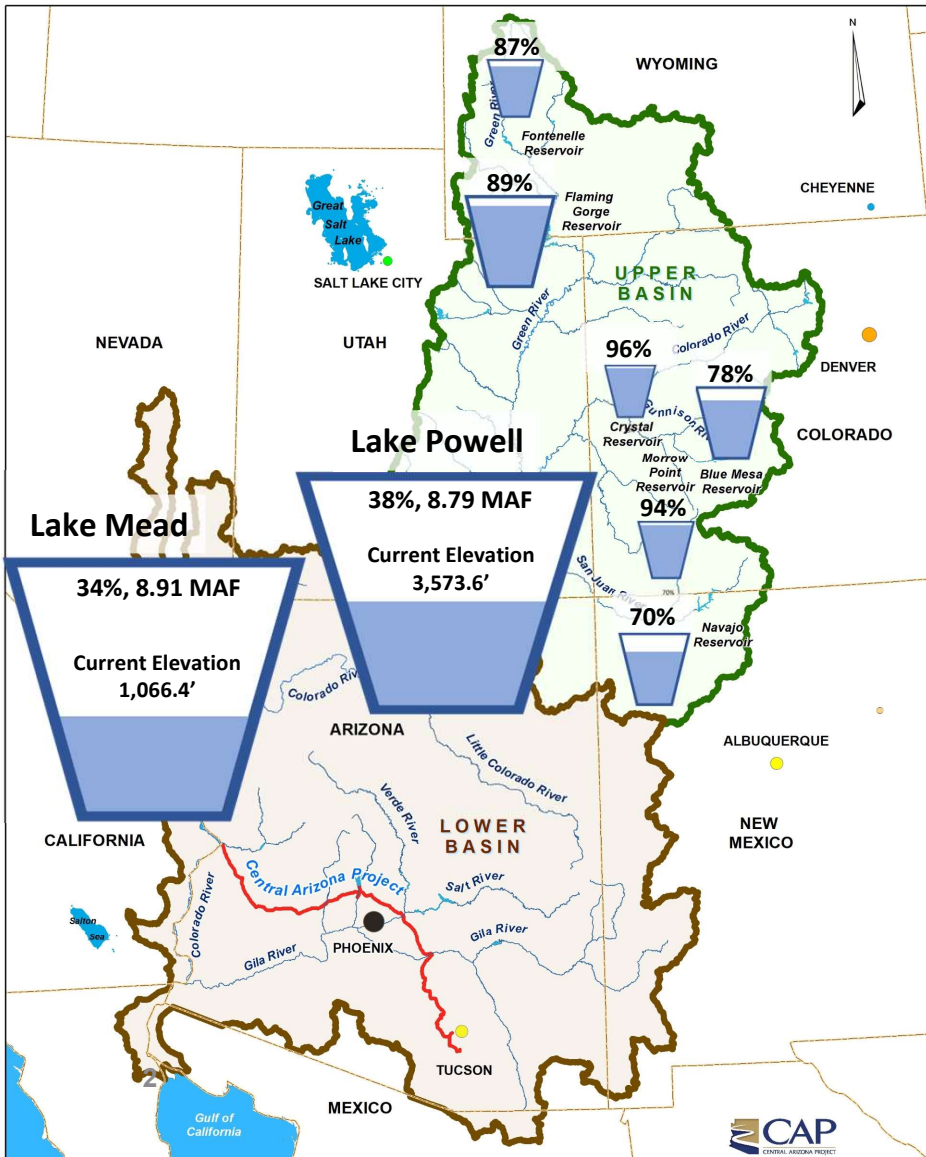
Last Year System Contents: 19.60 MAF

Reservoir Capacities (MAF)			
Reservoir	Current	Change*	Maximum
Lake Mead	8.91	+ 0.01	26.12
Lake Powell	8.79	- 0.05	23.31
Flaming Gorge Reservoir	3.26	- 0.03	3.67
Fontenelle Reservoir	0.29	- 0.01	0.33
Navajo Reservoir	1.15	- 0.03	1.65
Blue Mesa Reservoir	0.65	- 0.04	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

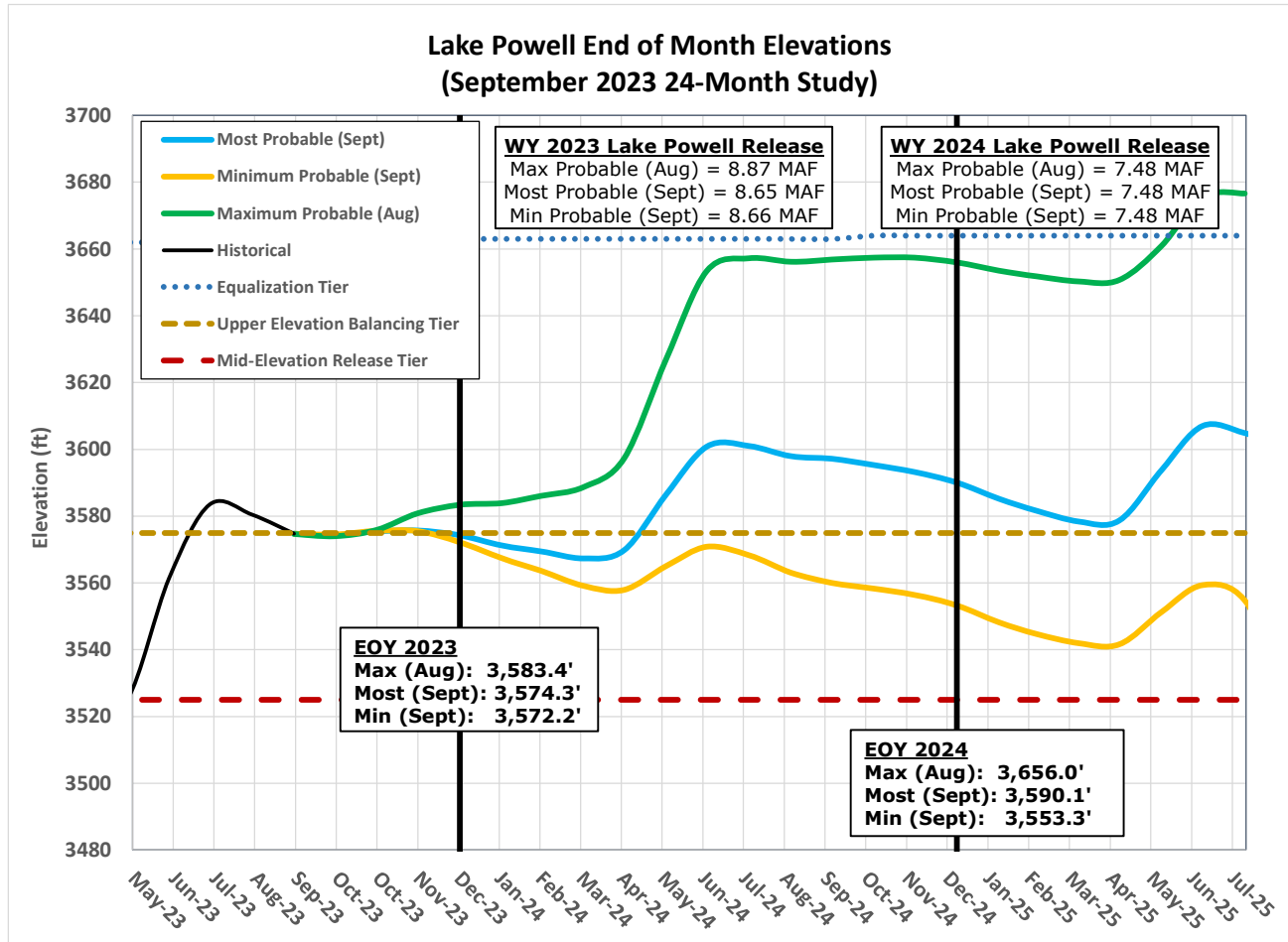


YOUR WATER. YOUR FUTURE.



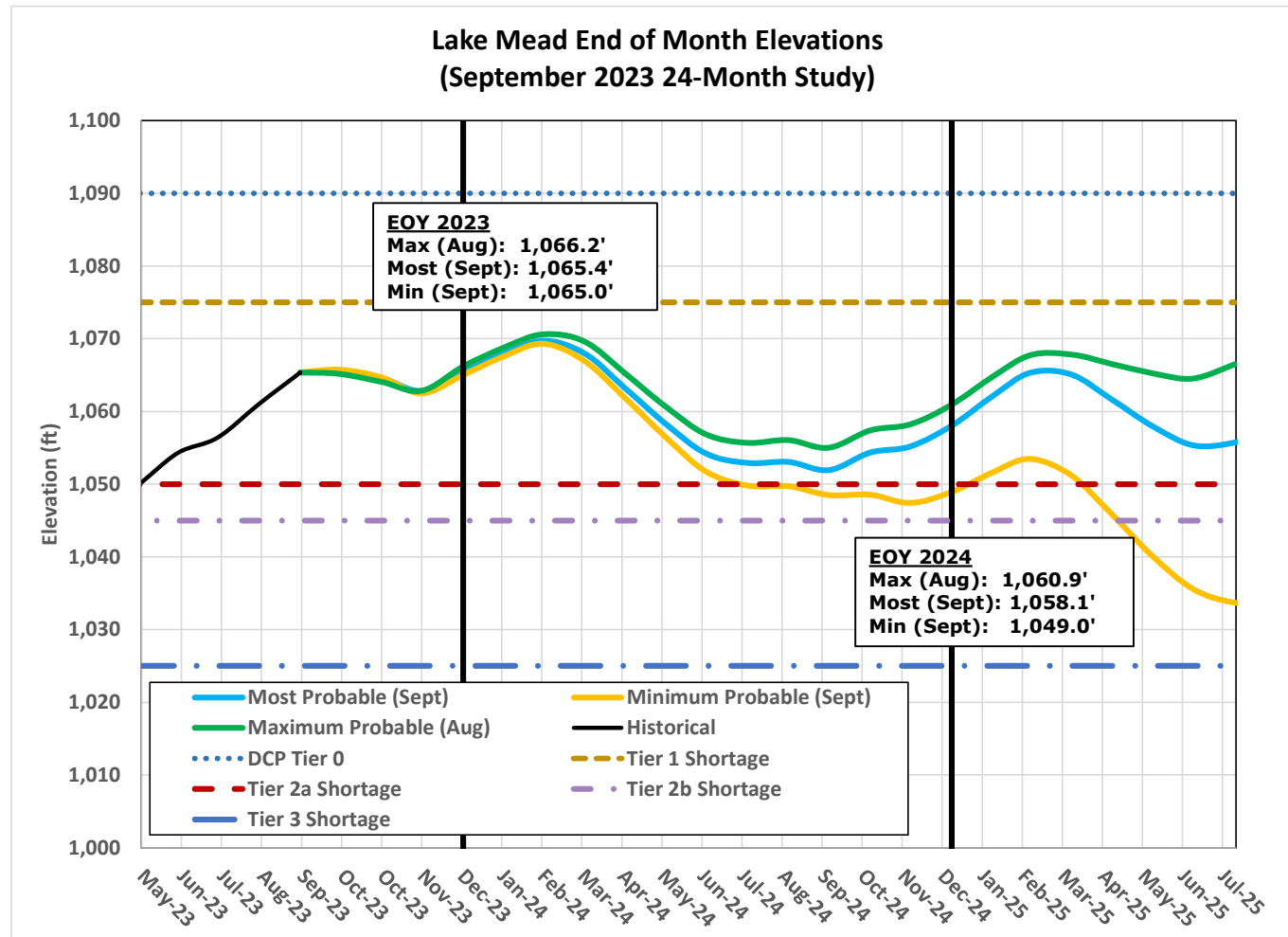
Lake Powell September 2023 24-Month Study

- WY2023 Lake Powell releases decreased from 8.9 MAF due to drop in unreg. inflow projection
- Lake Powell will be in Mid-Elevation Release Tier for 2024 with a set release of 7.48 MAF



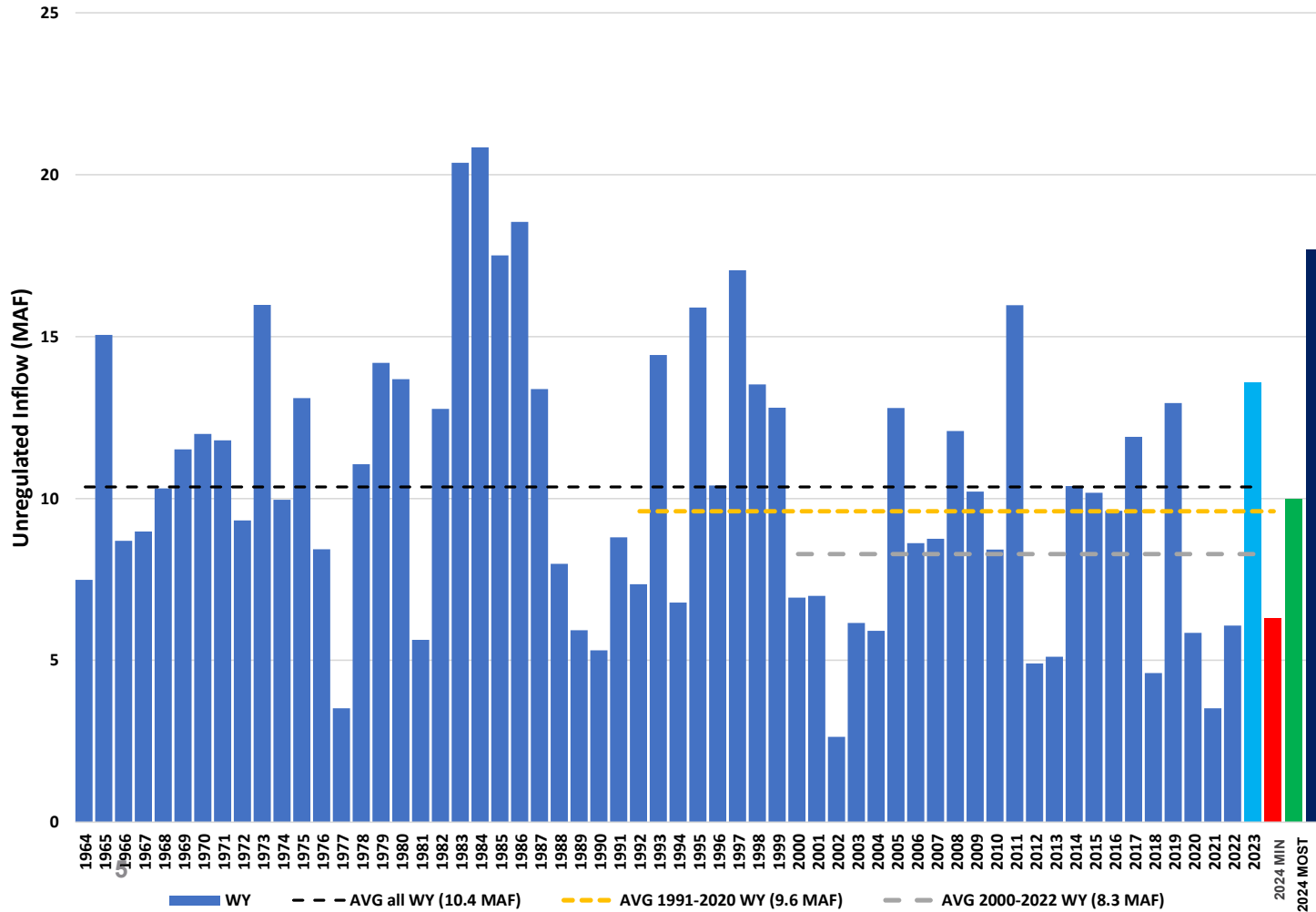
Lake Mead September 2023 24-Month Study

- Lake Mead is operating in Tier 2a shortage condition in 2023
- Lake Mead will be in Tier 1 operating condition for 2024



YOUR WATER. YOUR FUTURE.

Unregulated Inflow to Lake Powell by WY (1964-2023)



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

Water Year 2023 Forecast¹
 September Min/Most Probable
 = 13.59 MAF (141%)

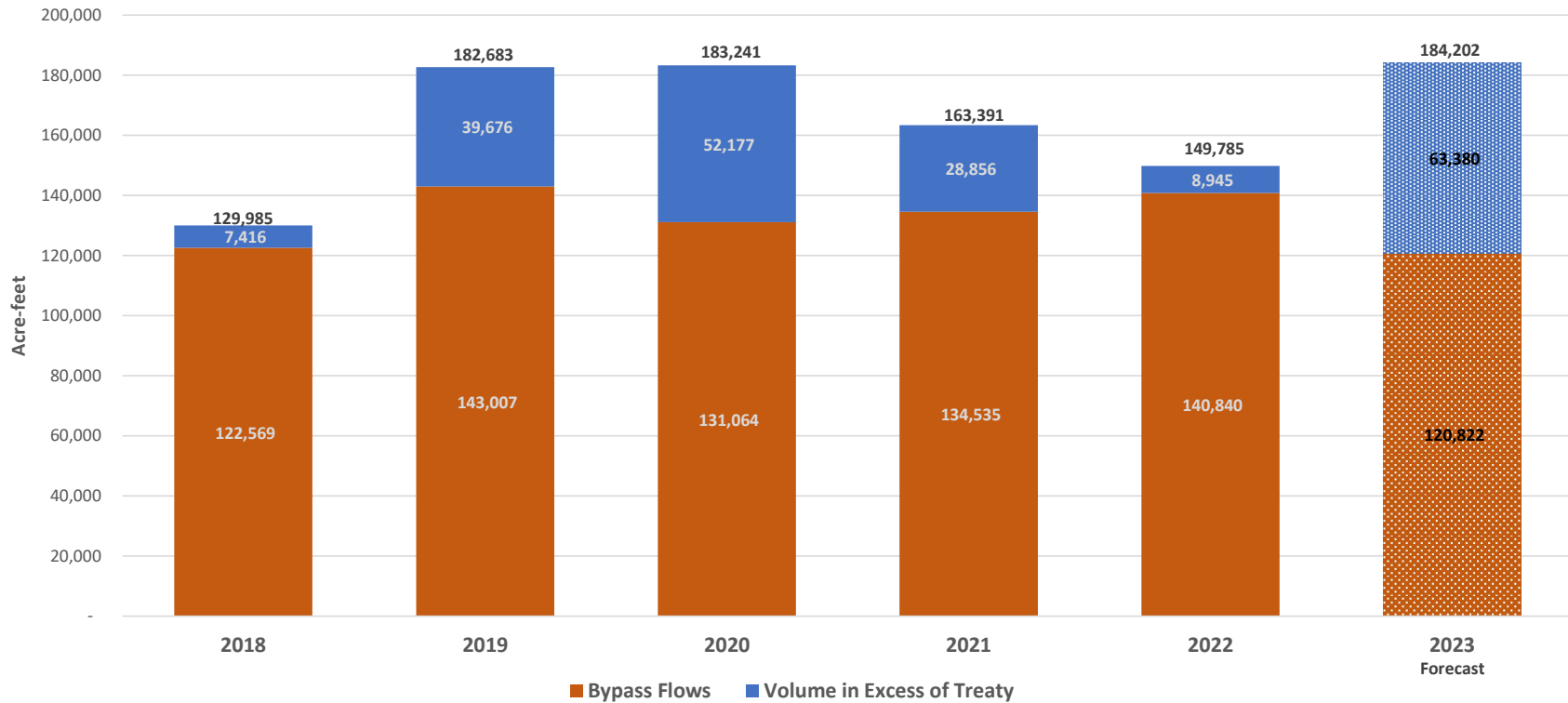
September Update (Sep 18)
 Water Year 2023 = 13.48 MAF (140%)

Water Year 2024 Forecast¹
 Sept Min Prob = 6.30 MAF (63%)
 Sept Most Prob = 10.00 MAF (104%)
 Aug Max Prob = 17.70 MAF (184%)



YOUR WATER. YOUR FUTURE.

Bypass & Excess Deliveries to Mexico



Source: "Mexico Deliveries in Excess of Treaty" and "Water Bypassed Pursuant to IBWC Minute 242" from *Colorado River Water Use and Accounting Reports*, U.S. Bureau of Reclamation