

Colorado River Water Supply Report November 2023

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CAWCD Board Meeting
November 2, 2023

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Colorado River Water Supply Report



YOUR WATER. YOUR FUTURE.

Colorado River Water Supply Report

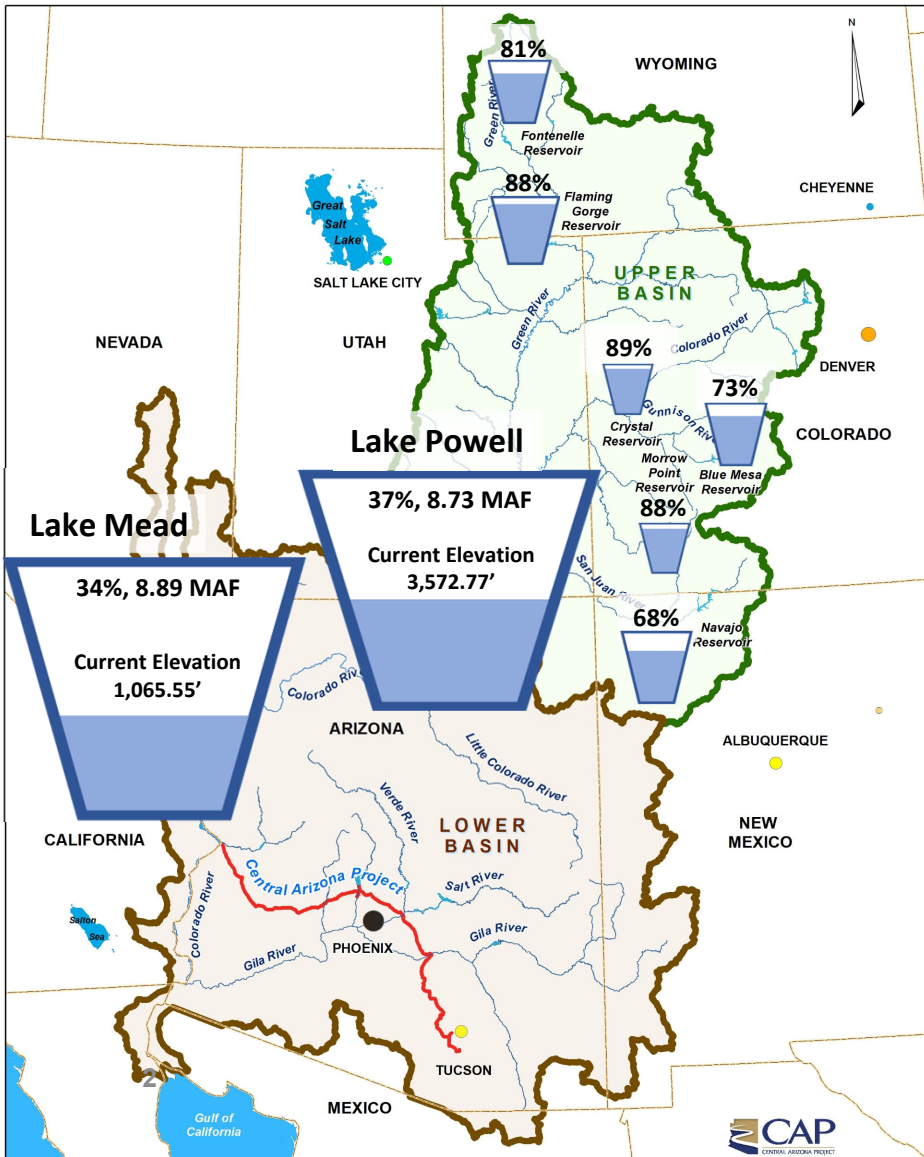
As of October 29, 2023

System Contents: 25.011 MAF

Last Year System Contents: 19.425 MAF

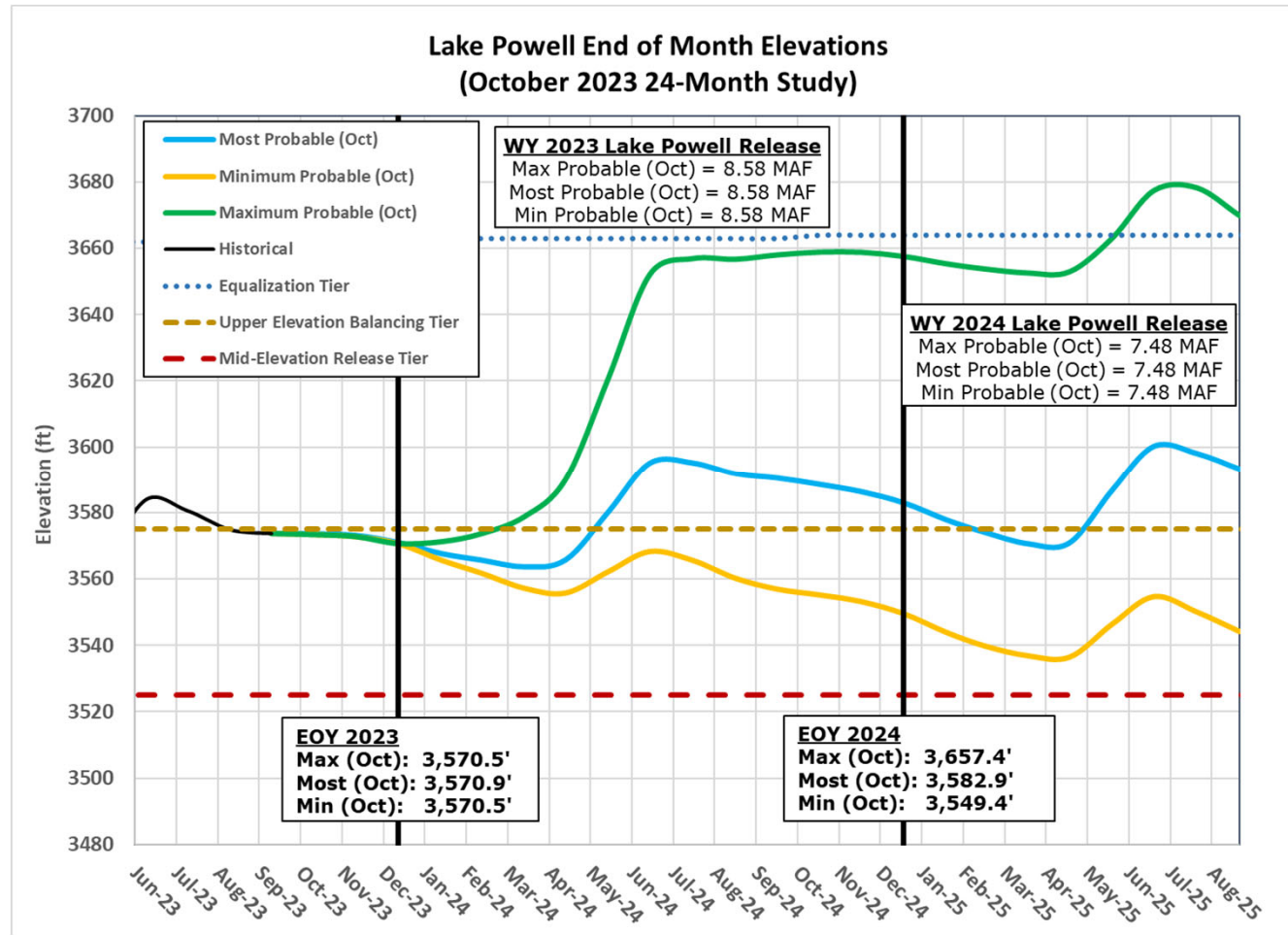
Reservoir Capacities (MAF)			
Reservoir	Current	Change*	Maximum
Lake Mead	8.85	- 0.02	26.12
Lake Powell	8.73	- 0.06	23.31
Flaming Gorge Reservoir	3.23	- 0.03	3.67
Fontenelle Reservoir	0.27	- 0.01	0.33
Navajo Reservoir	1.12	- 0.03	1.65
Blue Mesa Reservoir	0.60	- 0.03	0.82
Morrow Point Reservoir	0.10	- 0.01	0.12
Crystal Reservoir	0.02	0.00	0.02

*With respect to previous month's report



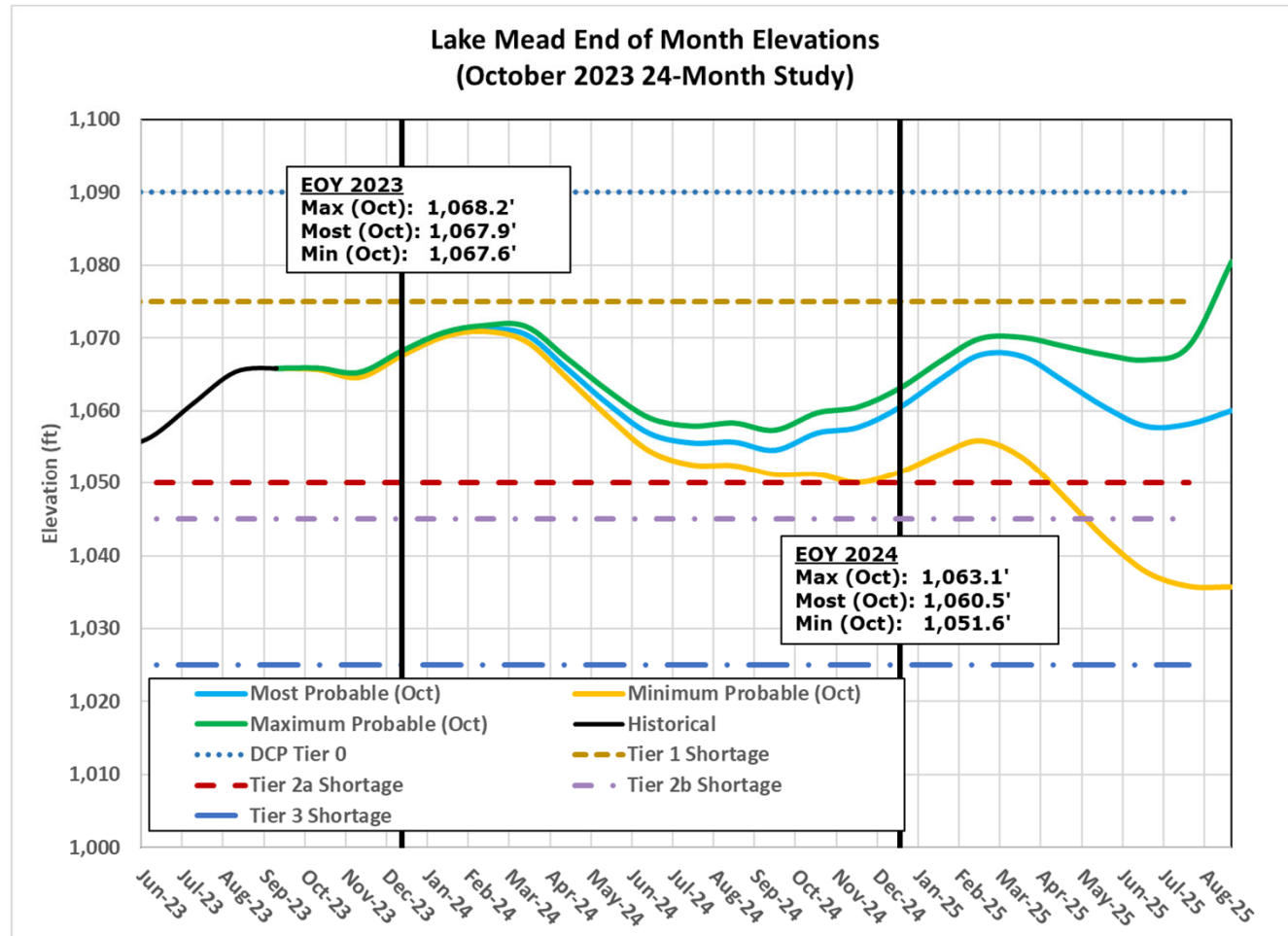
Lake Powell October 2023 24-Month Study

- WY2023 Lake Powell releases decreased to 8.58 MAF due to decline in preliminary unregulated inflow estimate
- Lake Powell will be in Mid-Elevation Release Tier for 2024 with a set release of 7.48 MAF

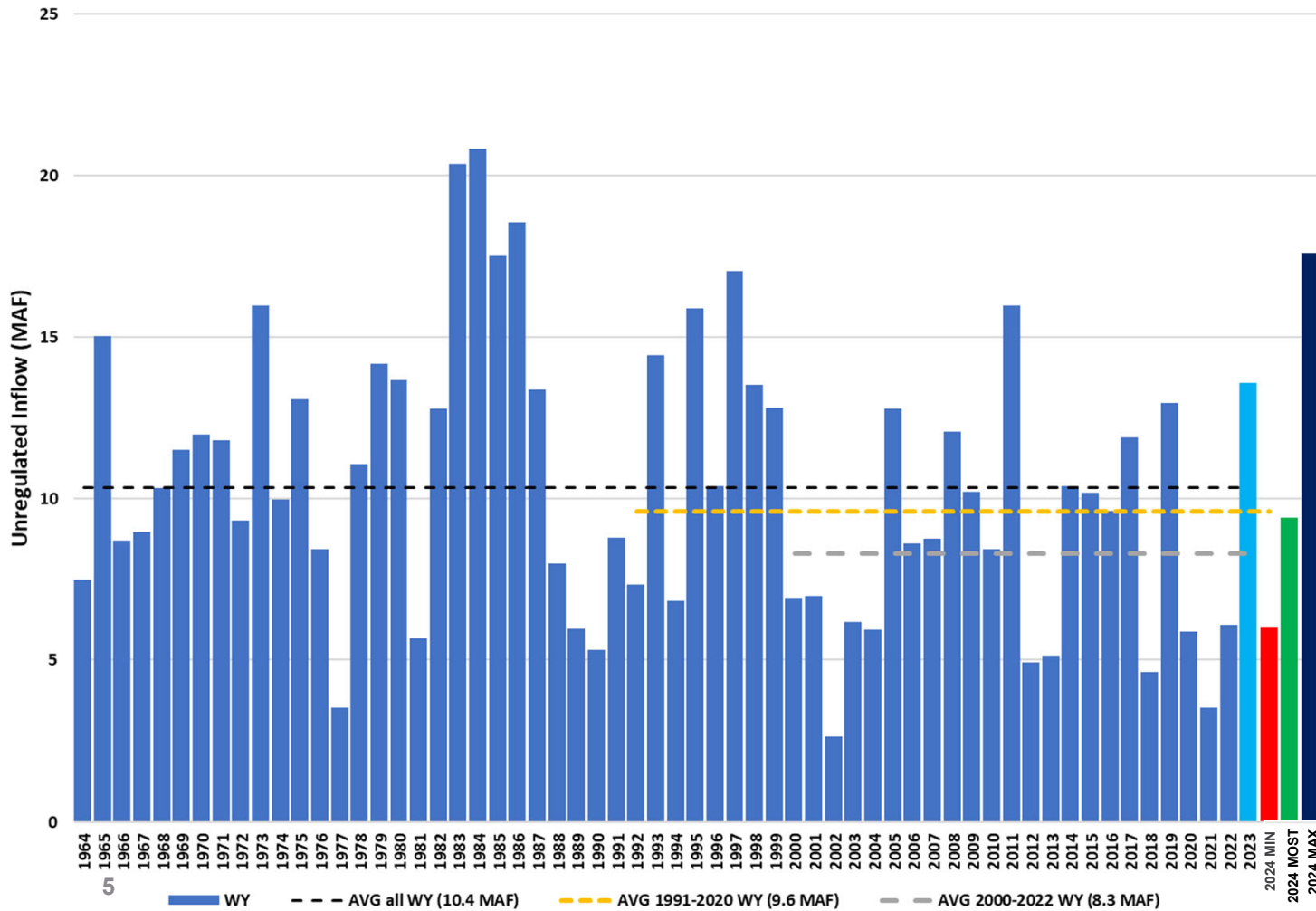


Lake Mead October 2023 24-Month Study

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



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



Water Year 2023
September = 13.42 MAF (140%)

Water Year 2024 Forecast¹
Oct Min Prob = 6.00 MAF (63%)
Oct Most Prob = 9.40 MAF (98%)
Oct Max Prob = 17.60 MAF (183%)

October Update (Oct 16)
Oct Most Prob = 9.245 MAF (96%)

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



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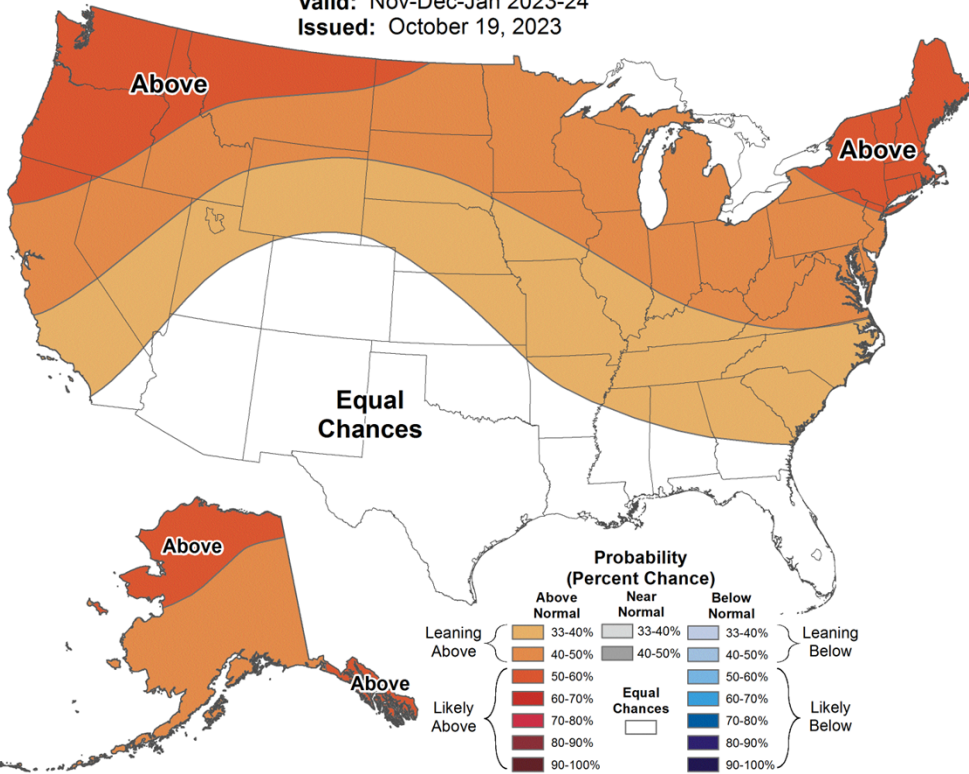
3-Month Temperature and Precipitation Outlook



Seasonal Temperature Outlook



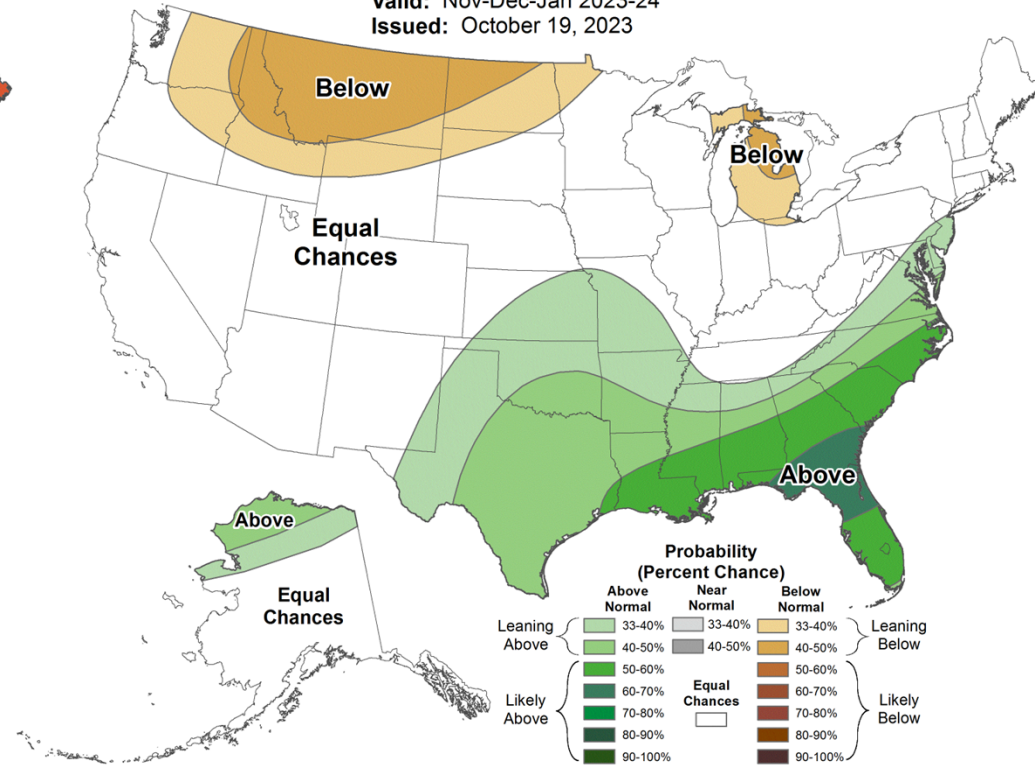
Valid: Nov-Dec-Jan 2023-24
 Issued: October 19, 2023



Seasonal Precipitation Outlook



Valid: Nov-Dec-Jan 2023-24
 Issued: October 19, 2023



Lower Basin Consumptive Use Trends

Historical Lower Basin Consumptive Use (AF)

