

Colorado River Water Supply Report

June 2023

Vineetha Kartha
Colorado River Programs Manager

CAWCD Board Meeting
June 1, 2023

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Colorado River Water Supply Report



YOUR WATER. YOUR FUTURE.

Colorado River Water Supply Report

As of May 22, 2023

System Contents: 21.92 MAF

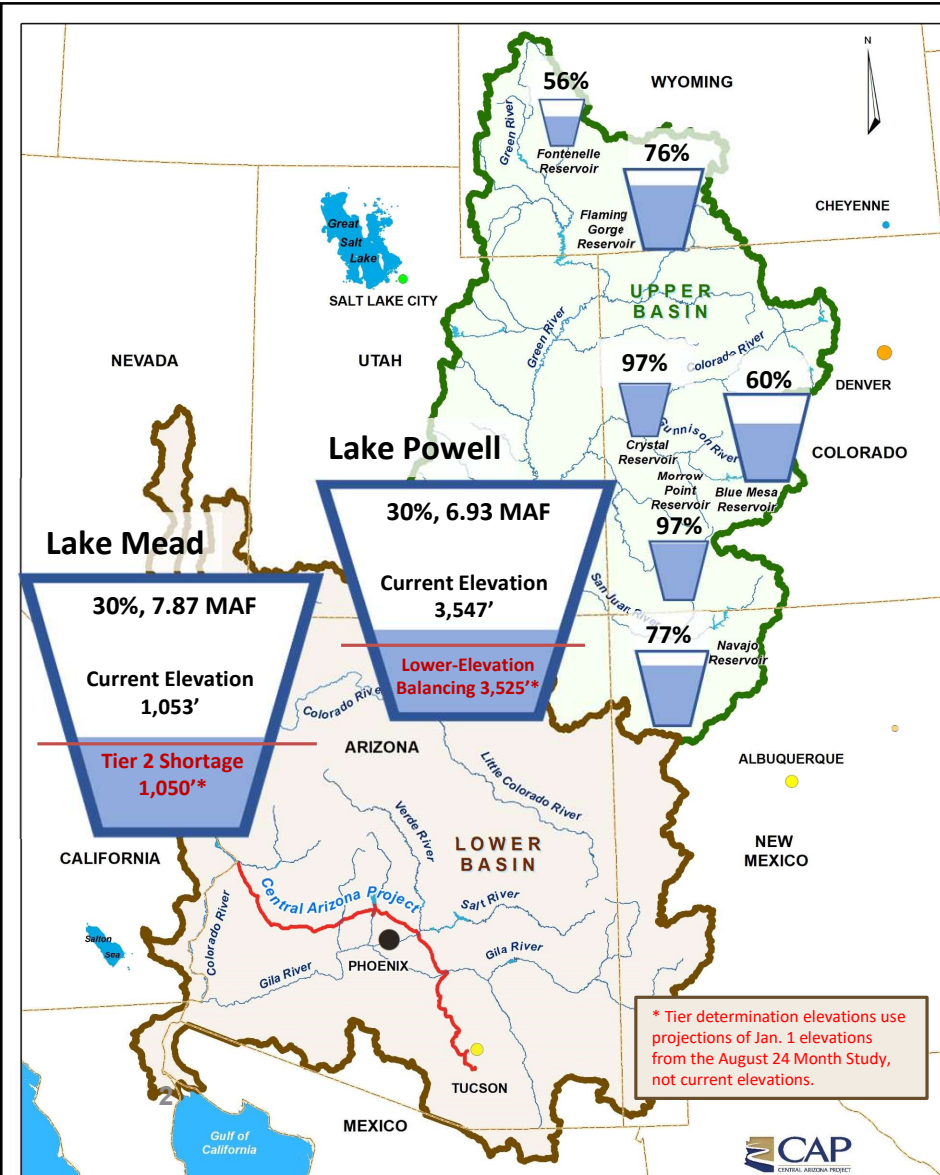
Last Year System Contents: 20.44 MAF

Reservoir Capacities (MAF)			
Reservoir	Current	Change*	Maximum
Lake Mead	7.87	+ 0.21	26.12
Lake Powell	6.93	+ 1.36	23.31
Flaming Gorge Reservoir	2.78	+ 0.18	3.67
Fontenelle Reservoir	0.19	+ 0.06	0.33
Navajo Reservoir	1.27	+ 0.14	1.65
Blue Mesa Reservoir	0.49	+ 0.13	0.82
Morrow Point Reservoir	0.11	0.00	0.12
Crystal Reservoir	0.02	0.00	0.02

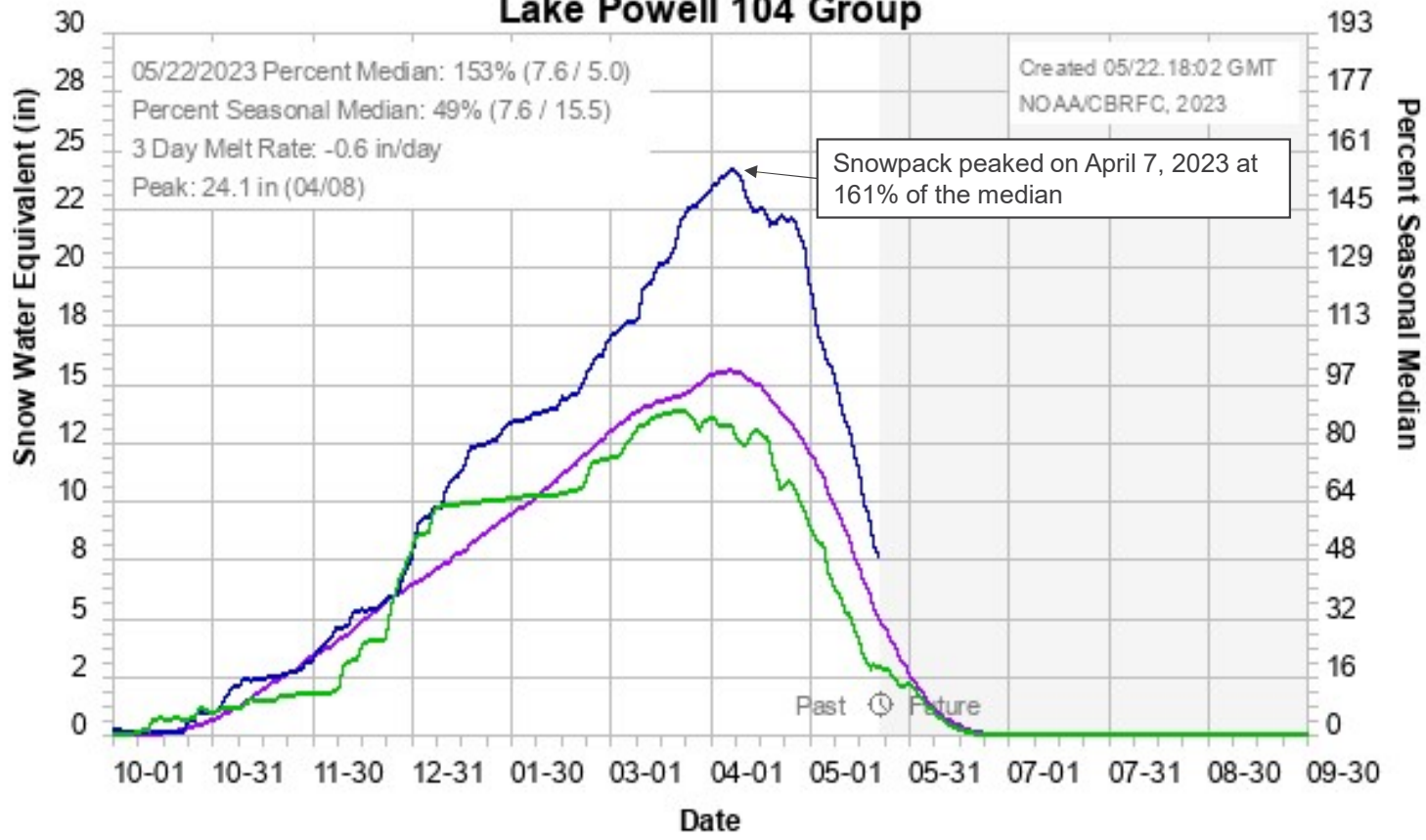
*With respect to previous month's report



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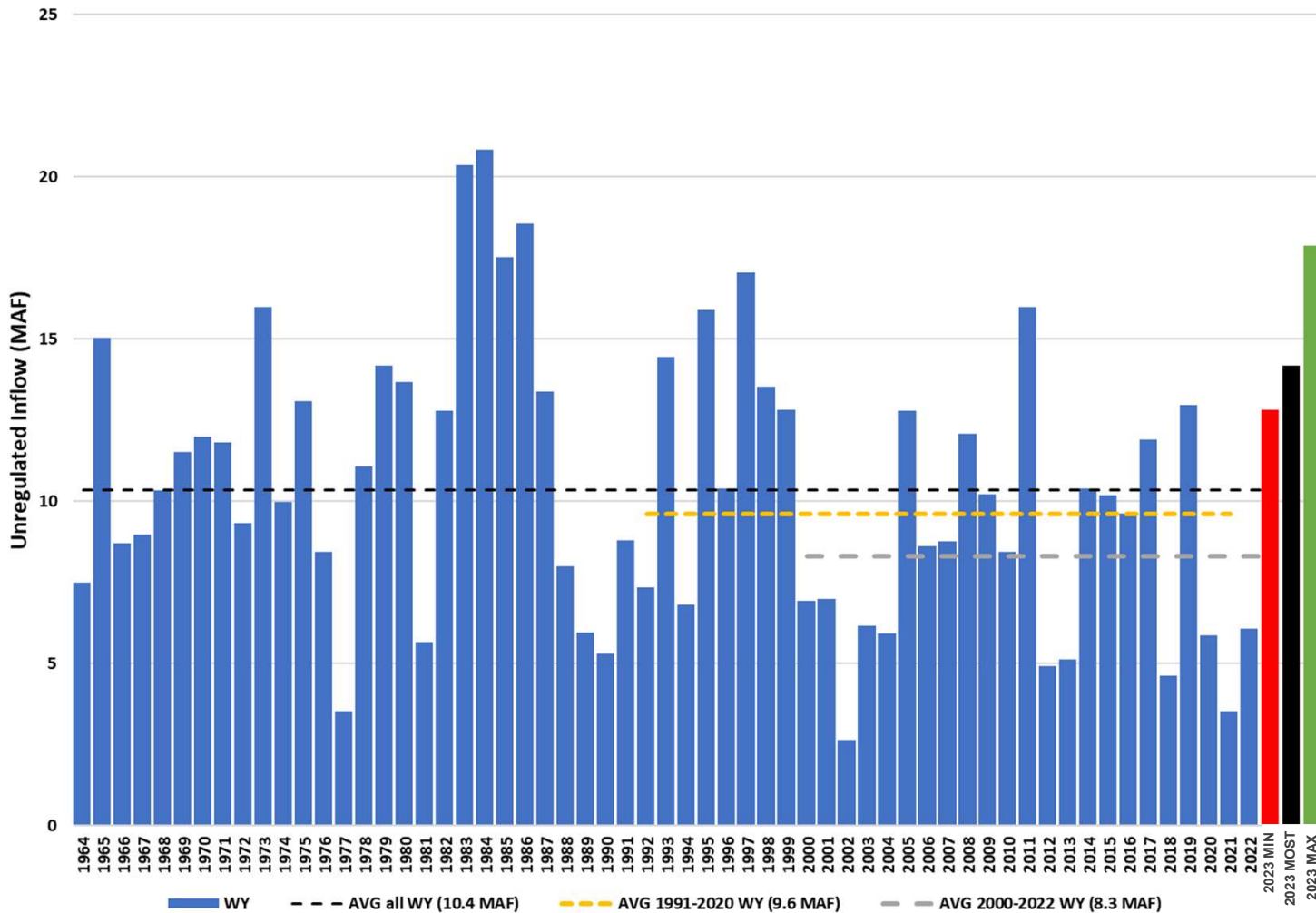
Colorado Basin River Forecast Center Lake Powell 104 Group



Median 1991-2020 — 2023 — 2022 —



Unregulated Inflow to Lake Powell by WY (1964-2022)



Water Year 2023 Forecast¹
 May Min Prob = 12.81 MAF (133%)
 May Most Prob = 14.17 MAF (148%)
 Apr Max Prob = 17.86 MAF (186%)

Water Year 2023 Forecast
 Mid-May Most Probable Update =
 14.17 MAF (148%)

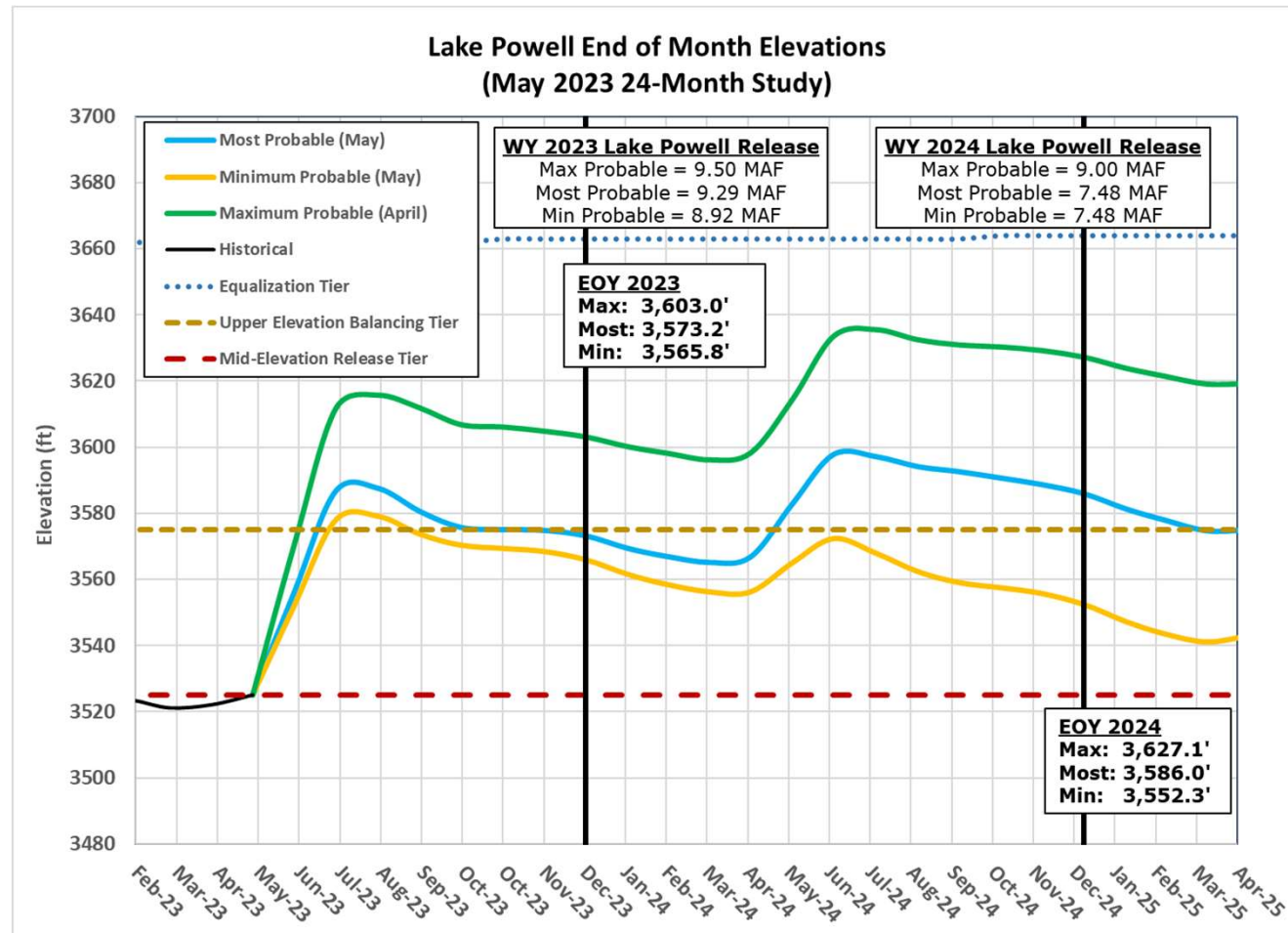


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¹Water Year statistics are based on the 30-year period of record from 1991-2020, Average 1991-2020 – 9.60 maf

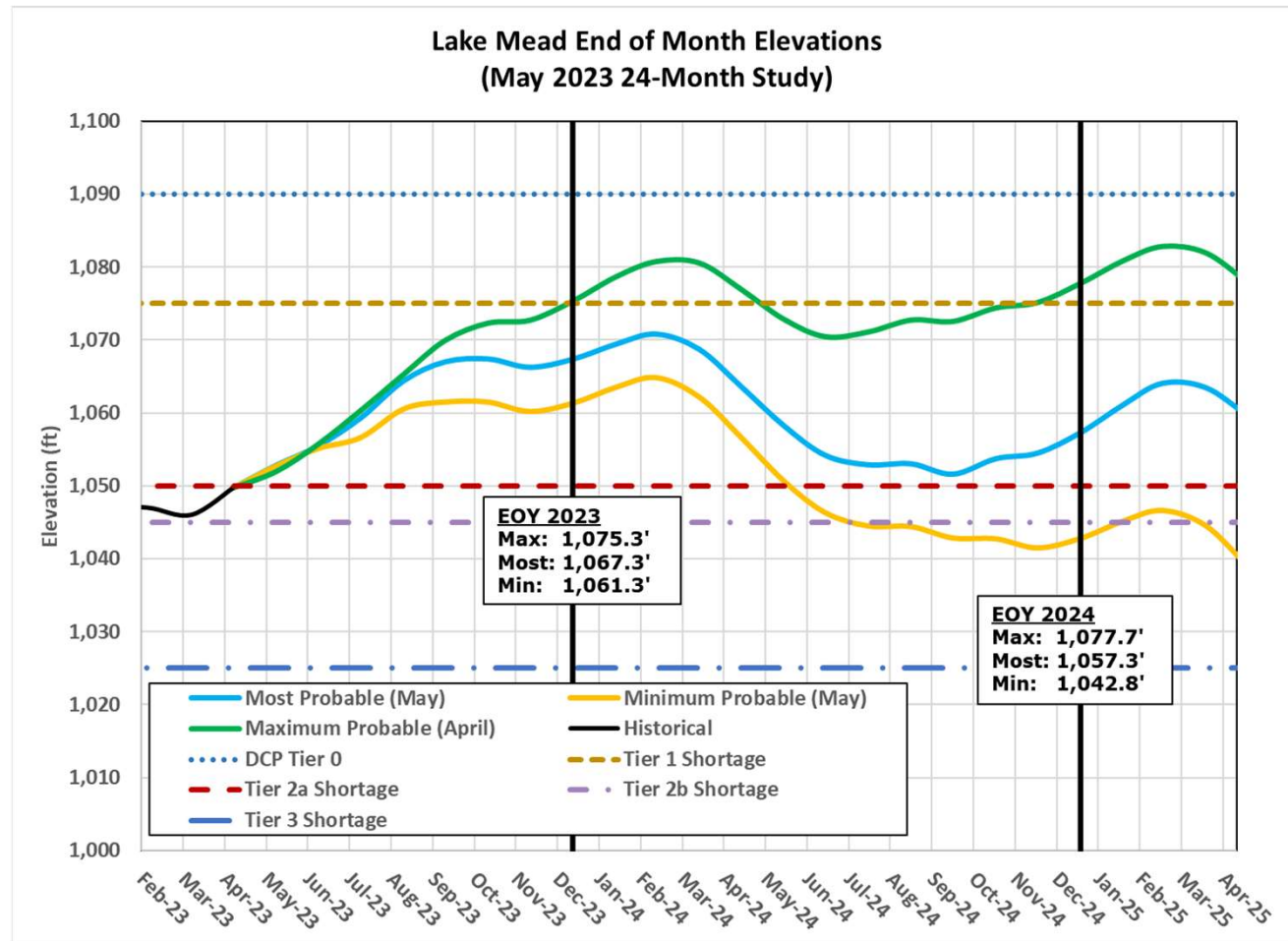
Lake Powell May 2023 24-Month Study

- Lake Powell releases decreased to 9.3 MAF in WY2023, with balancing releases evaluated each remaining month of the water year
- WY2023 Max is 9.5 MAF, Min is 8.92 MAF
- Max Probable is from April



Lake Mead May 2023 24-Month Study

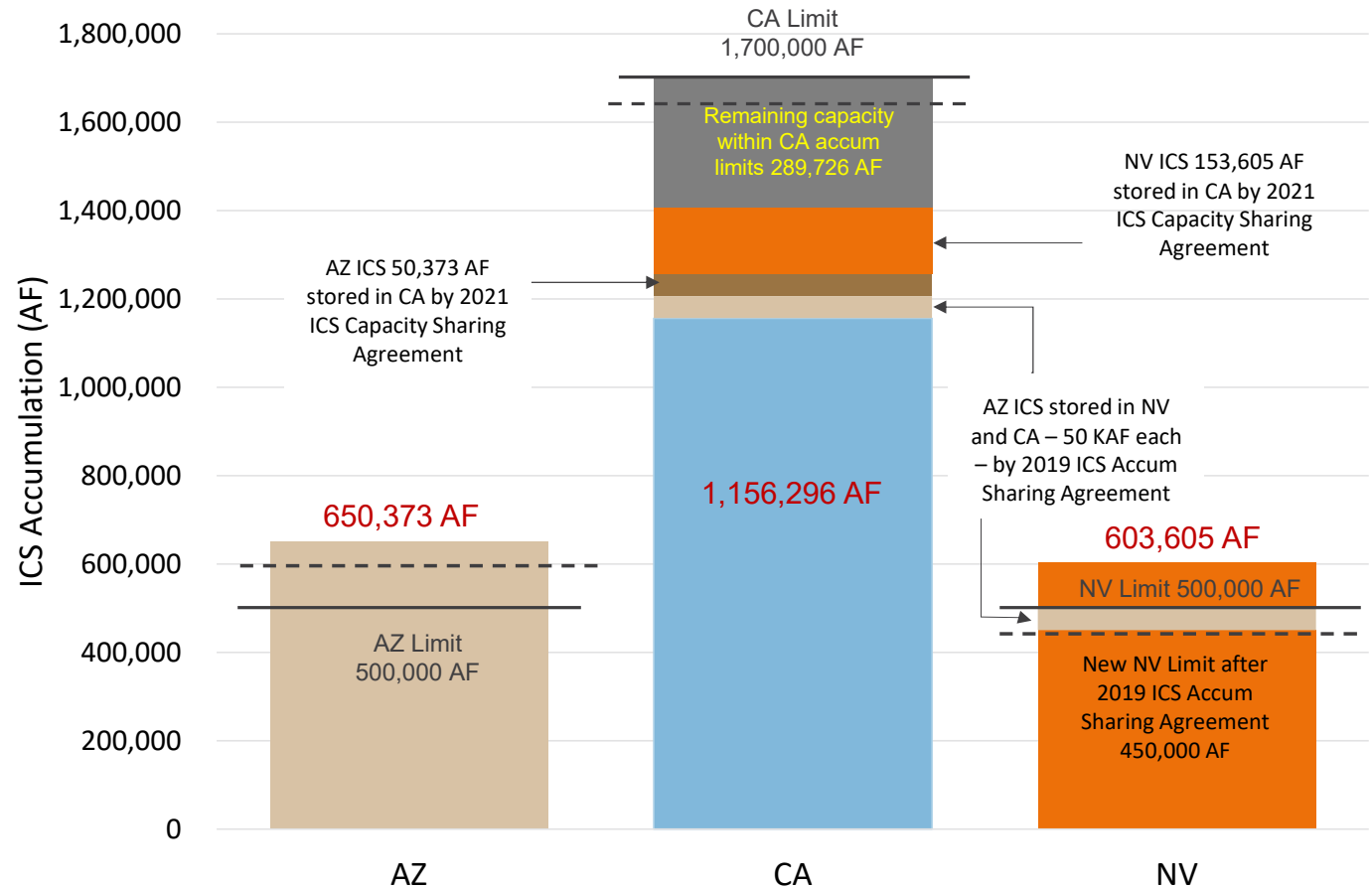
- Lake Mead is operating in Tier 2a shortage condition in 2023
- Lake Mead is currently projected to be in Tier 1 for 2024
- Tier determinations are based on physical elevations



EOCY 2022 ICS Accumulations

- Accumulation limits per DCP (solid black lines)
- 2019 Accum Sharing (dashed black lines) and 2021 Capacity Sharing allows accum over limits if capacity exists
- ICS accumulation total for each state **in red**
- AZ and NV accum above limit lines needs to borrow capacity within another states' capacity
- At the end of 2022, with the ICS sharing agreements,
 - AZ is in the ICS shared capacity of CA and NV
 - NV is in the shared capacity of CA
 - 289,726 af of capacity remains in CA

ICS Accumulation - Accrued and Limits



Arizona ICS Accumulation through 2022

