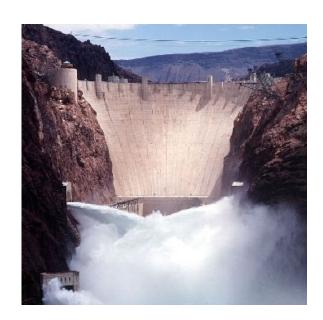
COLORADO RIVER BASIN UPDATE AND STATUS

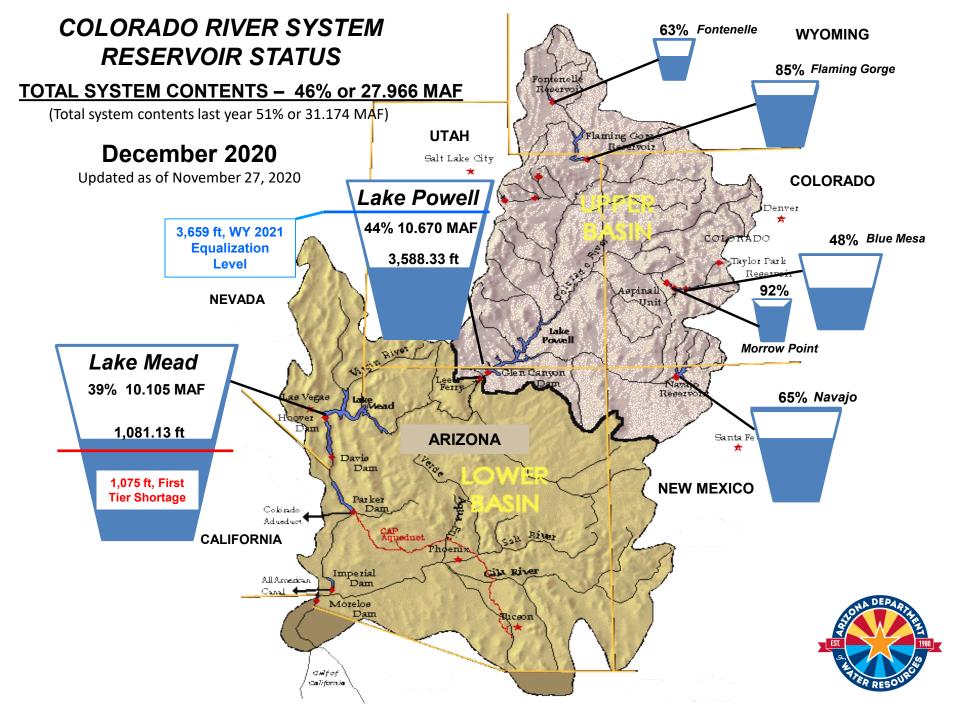
Presented to

Arizona Water Banking Authority December 2, 2020





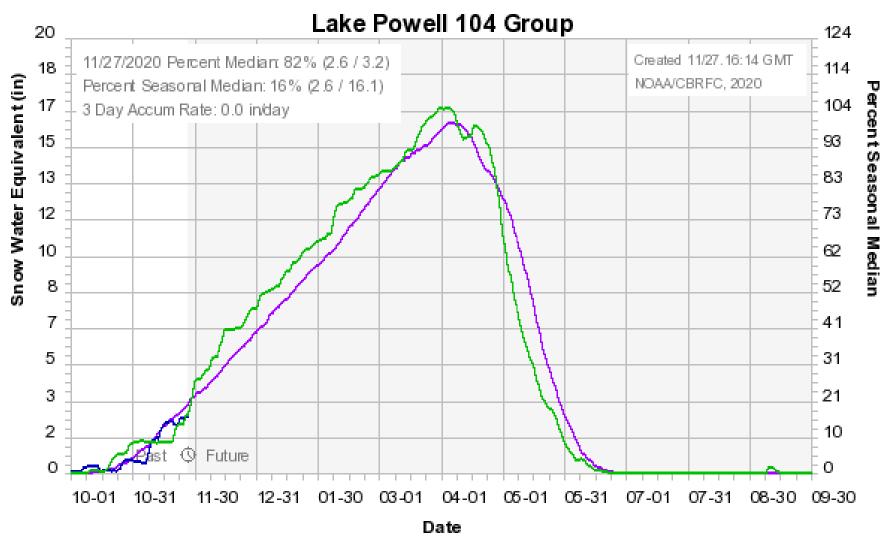




Water years 2020 & 2021

Snowpack as of November 27, 2020

Colorado Basin River Forecast Center

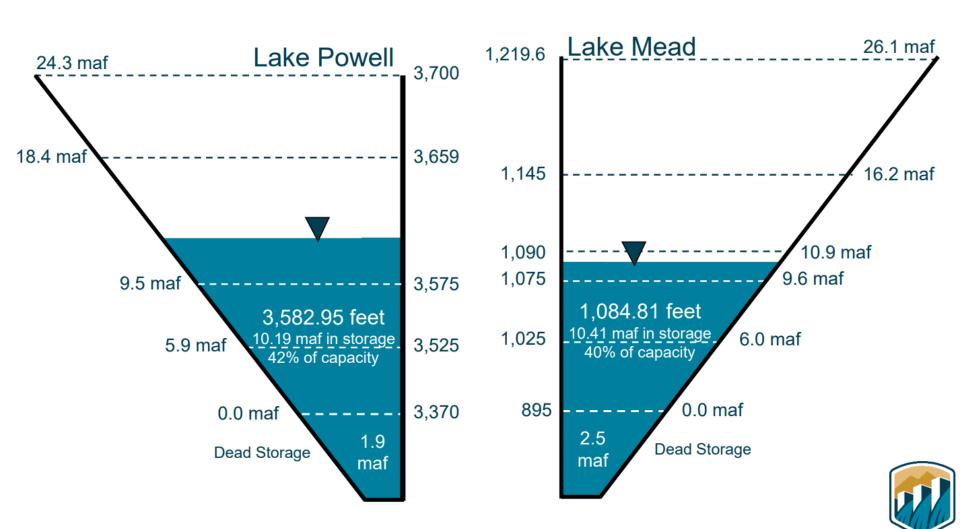


Median 1981-2010 - 2021 - 2020 -

End of Calendar Year 2020 Projections

November 2020 24-Month Study Most Probable Inflow Scenario¹

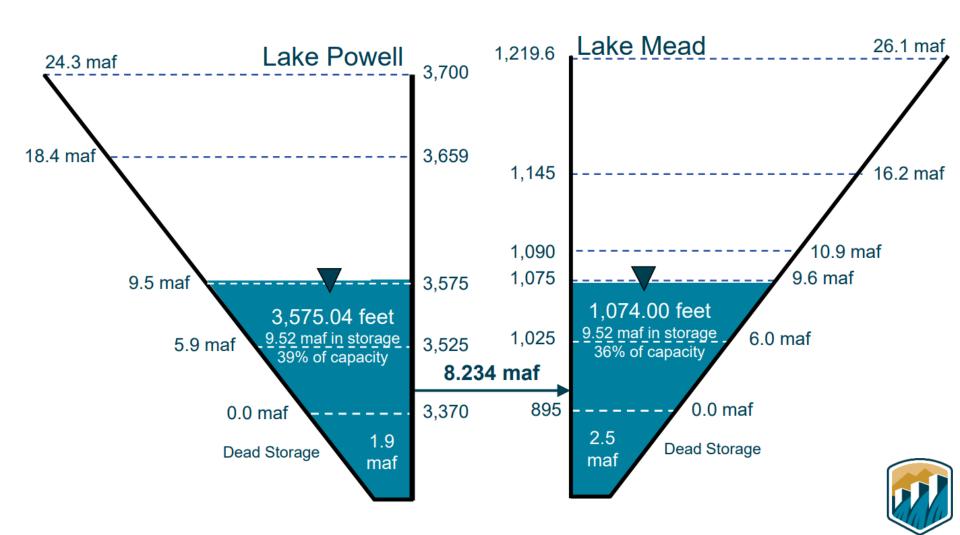
Based on a Lake Powell release of 8.23 maf in WY 2020 and 8.234 maf in WY 2021



End of Water Year 2021 Projections

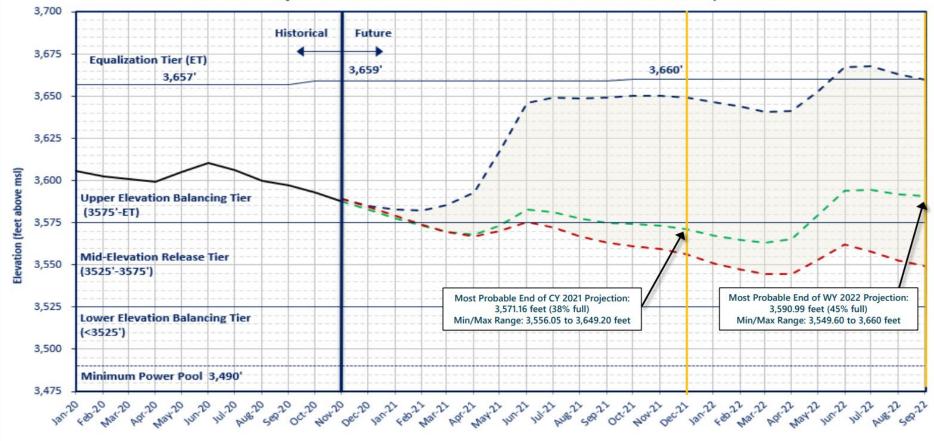
November 2020 24-Month Study Most Probable Inflow Scenario¹

Based on a Lake Powell Unregulated Inflow Forecast of 6.79 maf (63% of average)



Lake Powell End of Month Elevations

Historic and Projected based on October and November 2020 24-Month Study Inflow Scenarios

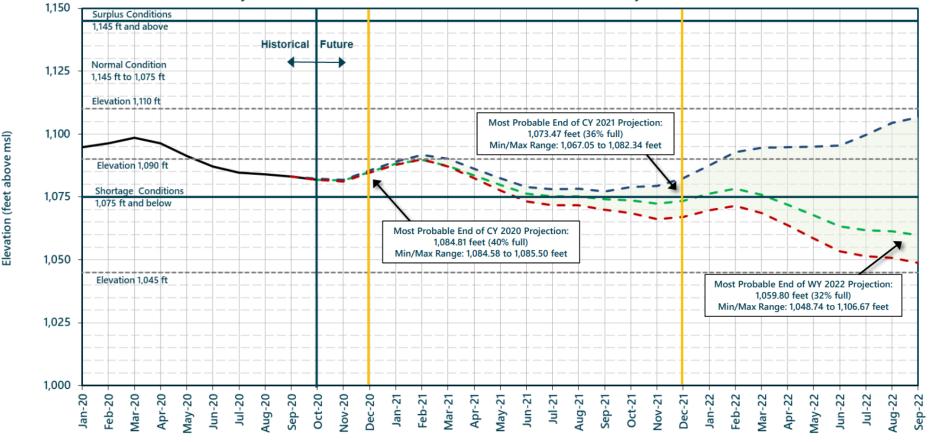


- - Nov 2020 Most Probable Lake Powell release of 8.234 maf in WY2021 and 7.48 maf in WY2022
- Oct 2020 Max Probable Lake Powell release of 8.23 maf in WY2021 and 11.67 maf in WY2022
- Oct 2020 Min Probable Lake Powell release of 8.23 maf in WY2021 and 7.48 maf in WY2022
- Historical Elevations



Lake Mead End of Month Elevations

Projections from the October and November 2020 24-Month Study Inflow Scenarios



- Historical Elevations
- November 2020 Most Probable Inflow with a Lake Powell release of 8.234 maf in WY 2021 and 7.48 maf in WY 2022
- October 2020 Maximum Probable Inflow with a Lake Powell release of 8.23 maf in WY 2021 and 11.67 maf in WY 2022
- October 2020 Minimum Probable Inflow with a Lake Powell release of 8.23 maf in WY 2021 and 7.48 maf in WY 2022



Lake Powell & Lake Mead Operational Table

Operational Tiers for Water/Calendar Year 2021¹

Lake Powell			Lake Mead		
Elevation	Operation According	Live Storage	Elevation	Operation According	Live Storage
(feet)	to the Interim Guidelines	(maf) ²	(feet)	to the Interim Guidelines	(maf) ²
	Fauralization Ties		1,220	Flood Control Surplus or	25.9
2.700	Equalization Tier	24.3	1,220		25.9
3,700	Equalize, avoid spills	24.3		Quantified Surplus Condition Deliver > 7.5 maf	
2 (26 2 666	or release 8.23 maf	15.5 - 19.3	1,200	Deliver > 7.5 mai	22.9
3,636 - 3,666		-+	· · · · ·		
(2008-2026)	Hanas Flavation	(2008-2026)	(approx.) ³	Domontia Cumulus au	(approx.) ³
	Upper Elevation			Domestic Surplus or	
	Balancing Tier ⁴			ICS Surplus Condition	
	Release 8.23 maf			Deliver > 7.5 maf	
	if Lake Mead < 1,075 feet,		1,145		15.9
	balance contents with				
	a min/max release of			Normal or	
	7.0 and 9.0 maf		1,105	ICS Surplus Condition	11.9
3,575		9.5		Deliver ≥ 7.5 maf	
. – – – – – +		+	1,075		9.4
	Mid-Elevation			Shortage Condition	
	Release Tier			Deliver 7.167 ⁵ maf	
	Release 7.48 maf,			Deliver 7.167 mai	
	if Lake Mead < 1,025 maf,		1,050		7.5
	release 8.23 maf			Shortage Condition	
	release 6.23 mai			Deliver 7.083 ⁶ maf	
3,525		5.9		Deliver 7.083° mat	
			1,025		5.8
	Lauren Flauretian			Chartana Canditian	
	Lower Elevation			Shortage Condition	
	Balancing Tier			Deliver 7.0 ⁷ maf	
	Balance contents with			Further measures may	
3,490	a min/max release of	4.0	1,000	be undertaken ⁸	4.3
	7.0 and 9.0 maf				
3,370		0	895		0

Diagram not to scale

Lake Powell and Lake Mead operational tier determinations were based on November 2020 24-Month Study projections.

Acronym for million acre-feet

This elevation is shown as approximate as it is determined each year by considering several factors including Lake Powell and Lake Mead storage, projected Upper Basin and Lower Basin demands, and an assumed inflow.

Subject to April adjustments which may result in a release according to the Equalization Tier

of which 2.48 maf is appropriated to Arizona, 4.4 maf to California, and 0.287 maf to Nevada

⁵ of which 2.40 maf is appropriated to Arizona, 4.4 maf to California, and 0.283 maf to Nevada

of which 2.32 maf is appropriated to Arizona, 4.4 maf to California, and 0.280 maf to Nevada

Whenever Lake Mead is below elevation 1,025 feet, the Secretary shall consider whether hydrologic conditions together with anticipated deliveries to the Lower Division States and Mexico is likely to cause the elevation at Lake Mead to fall below 1,000 feet. Such consideration, in consultation with the Basin States, may result in the undertaking of further measures, consistent with applicable Federal law.

