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RECLAMATION

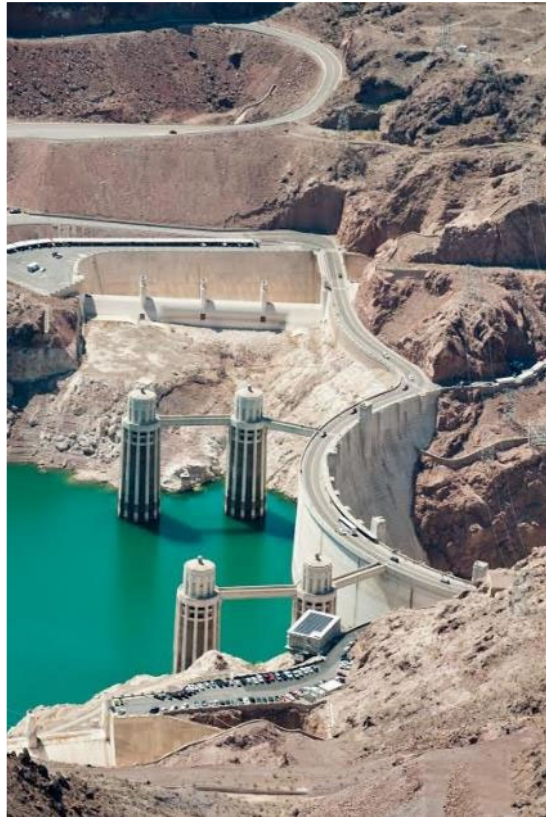
Colorado River Basin and Central Arizona Project Update

San Xavier Allottees Association
2022 Semi-Annual Meeting
August 20, 2022

Colorado River – Current Conditions (as of August 15, 2022)



Lake Powell near Glen Canyon Dam



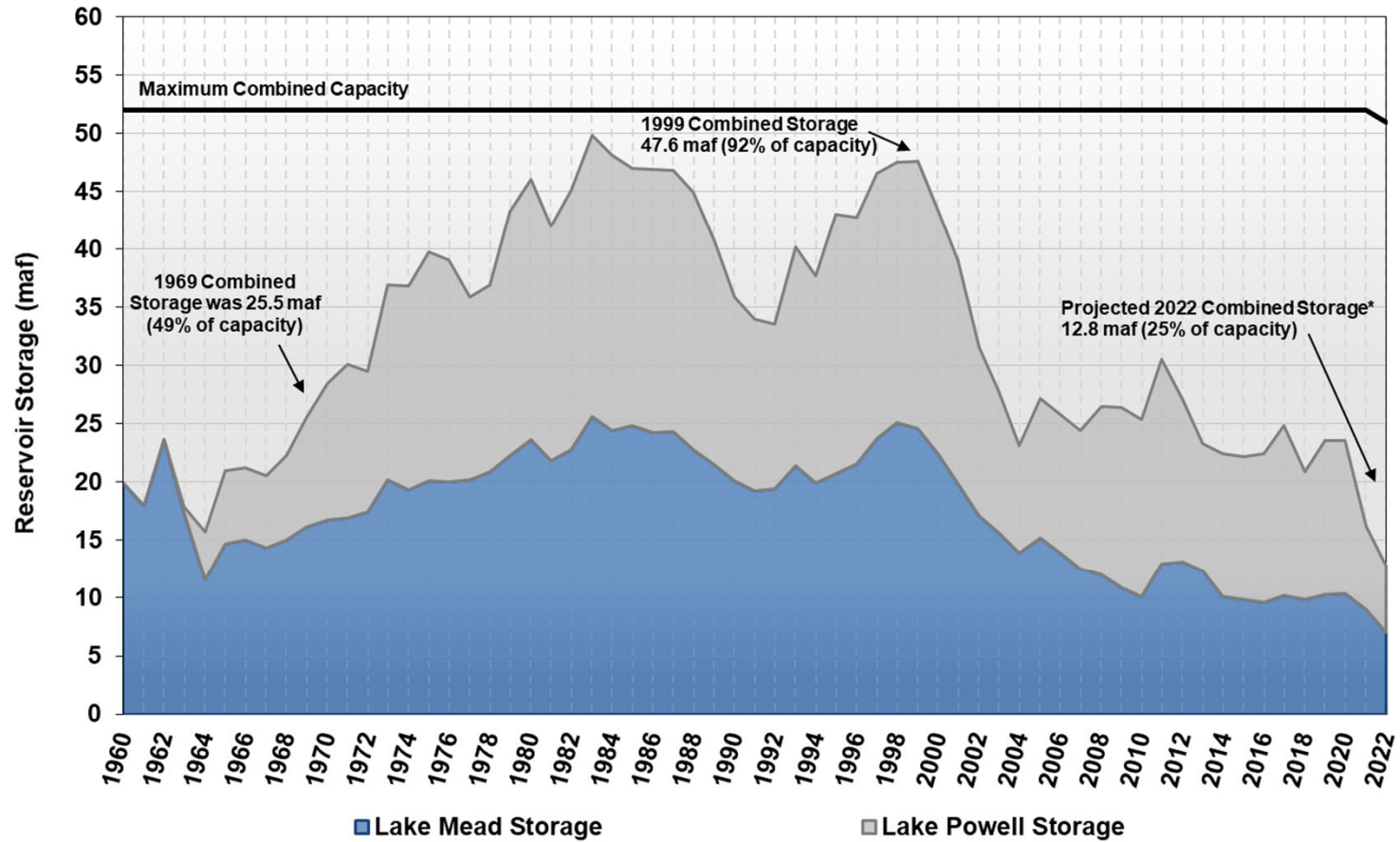
Lake Mead near Hoover Dam

- Driest 23-year period (2000-2022) on record
- Inflow 4 of the past 5 years were 60% of average or less
- Lake Powell and Lake Mead at historically low water levels
 - Lake Powell current elevation is 3,534 feet at 26% of capacity
 - Lake Mead current elevation is 1,042 feet at 27% of capacity



Lake Powell and Lake Mead End of Water Year Storage

Water Years 1960 through 2022



* Projected system storage based on the August 2022 24-Month Study



Lake Powell Drought Response Operations

- In light of the recent drought, the Department of Interior implemented an action to reduce the Glen Canyon Dam release from 7.48 maf to 7.00 maf.
- This action was done in conjunction with the 2022 Drought Response Operations plan actions which are anticipated to add about one million acre-feet of storage in Lake Powell by April 2023.
- The decision to hold back 480 kaf of water in Lake Powell will not impact future operating tier determinations and will be accounted for “as if” the volume of water had been delivered to Lake Mead.



2007 Interim Guidelines, Minute 323, Lower Basin Drought Contingency Plan, and Binational Water Scarcity Contingency Plan Total Volumes (kaf)

Lake Mead Elevation (feet msl)	2007 Interim Guidelines Shortages		Minute 323 Delivery Reductions	Total Combined Reductions	DCP Water Savings Contributions			Binational Water Scarcity Contingency Plan Savings	Combined Volumes by Country <i>US: (2007 Interim Guidelines Shortages + DCP Contributions)</i> <i>Mexico: (Minute 323 Delivery Reductions + Binational Water Scarcity Contingency Plan Savings)</i>					Total Combined Volumes
	AZ	NV			Mexico	<i>Lower Basin States + Mexico</i>	AZ		NV	CA	Mexico	AZ Total	NV Total	
1,090 - 1,075	0	0	0	0	192	8	0	41	192	8	0	200	41	241
1,075 - 1,050	320	13	50	383	192	8	0	30	512	21	0	533	80	613
1,050 - 1,045	400	17	70	487	192	8	0	34	592	25	0	617	104	721
1,045 - 1,040	400	17	70	487	240	10	200	76	640	27	200	867	146	1,013
1,040 - 1,035	400	17	70	487	240	10	250	84	640	27	250	917	154	1,071
1,035 - 1,030	400	17	70	487	240	10	300	92	640	27	300	967	162	1,129
1,030 - 1,025	400	17	70	487	240	10	350	101	640	27	350	1,017	171	1,188
<1,025	480	20	125	625	240	10	350	150	720	30	350	1,100	275	1,375

Lake Mead
Operating Condition for 2023 →

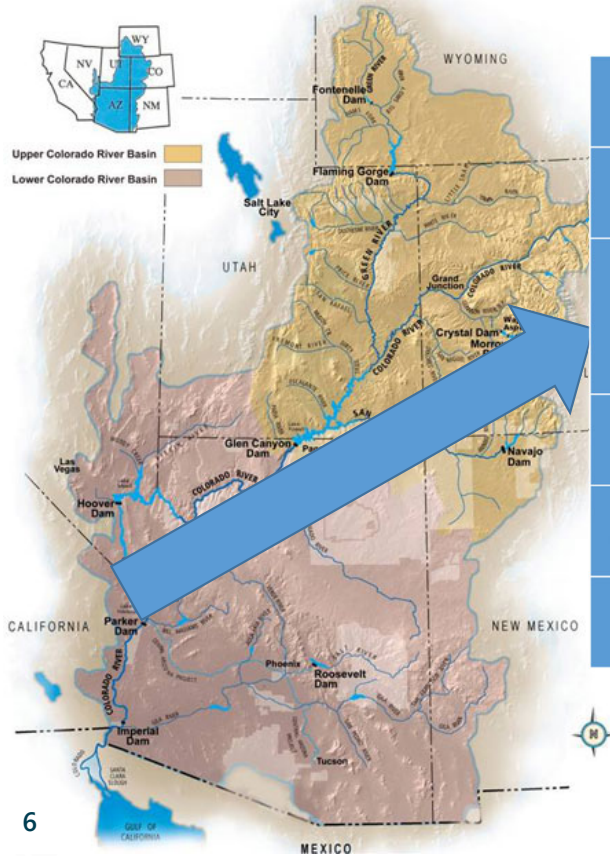
The Secretary of the Interior will take affirmative actions to implement programs designed to create or conserve 100,000 acre-ft per annum or more of Colorado River System water to contribute to conservation of water supplies in Lake Mead and other Colorado River reservoirs in the lower basin. All actions taken by the United States shall be subject to applicable law, including availability of appropriations.



Central Arizona Project

AZ Colorado River Water

Colorado River Basin



Arizona Colorado River – Priority System

Sixth Priority	Entitlements to surplus.
Fifth Priority	Entitlements to unused Arizona entitlement or unused apportionment water.
Fourth Priority	Entitlements (i) entered into after September 30, 1968 for use on Federal, State, or privately-owned lands in the State of Arizona (for a total quantity of not to exceed 164,652 acre-feet per year); and (ii) CAP Contract No. 14-06-W-245, as amended dated December 15, 1972. Entitlements in (i) and (ii) are coequal.
Third Priority	Entitlements pursuant to contracts executed on or before September 30, 1968.
Second Priority	Secretarial Reservations and Perfected Rights established or effective prior to September 30, 1968.
First Priority	Present Perfected Rights (PPRs) existing as of June 25, 1929, as recognized in the Consolidated Decree in <i>Arizona v. California</i> .



Arizona Shortage Sharing

- On average, Arizona Priorities 1 through 3 use slightly more than 1,100,000 acre-feet of Colorado River water per year; use is variable and some entitlements are unquantified
- The remainder of Arizona's 2,800,000 acre-foot apportionment is shared approximately 10% to the P4(i) (mainstream) and approximately 90% to CAP
- Shortages are effectively shared in the same proportion



CAP Priority Pool Estimated Shortage - Illustration



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Figure from April 14, 2022 Central Arizona Water Conservation District Rate Briefing



CAP Shortage Timeline

- 2021 - Last year with sufficient water to fill all long-term CAP contract orders
- 2022 - First ever reductions to NIA contractors, AZ DCP mitigation
- 2023 - Based on the August 24-month study, the Available CAP Supply is expected to be less than it was in 2022. NIA reductions, potentially first reductions to M&I and Indian Priority contractors, AZ DCP mitigation
- 2024 - 2025 - If shortage persists, possible additional reductions to deliveries for M&I and Indian Priority
- 2026 – 2007 Interim Guidelines renegotiation



CAP Shortage – 2022 Overview

- June 1 letter
- Technical coordination meetings
- Coordination regarding contract administration
- August 16 release of 24-month study
- Announcements to CAP users on water availability
- Water orders submitted and water distribution determinations



Questions?



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