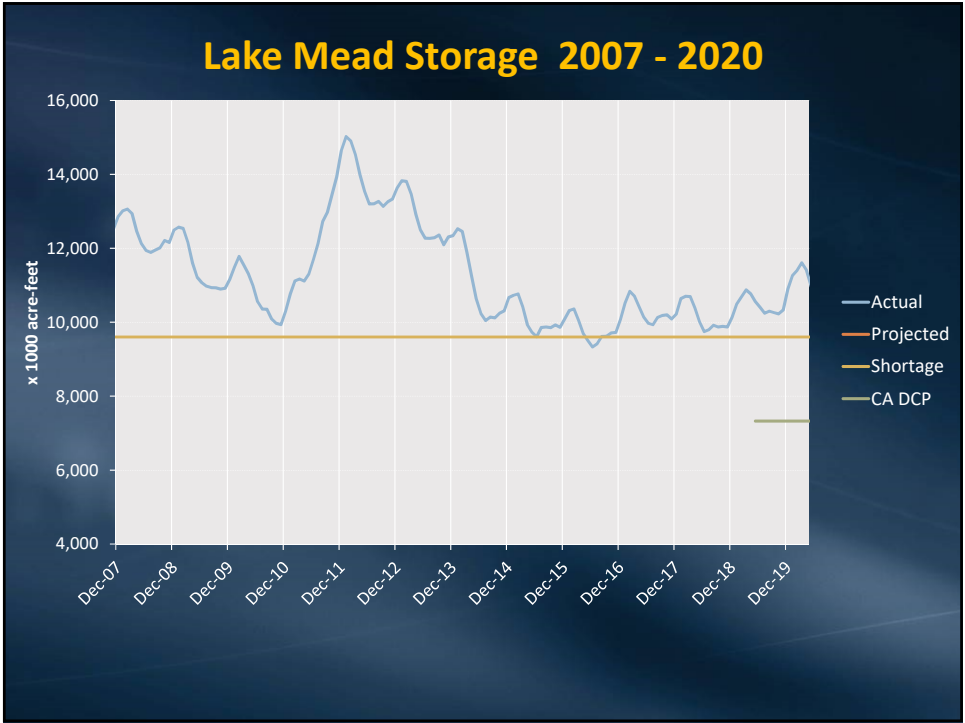


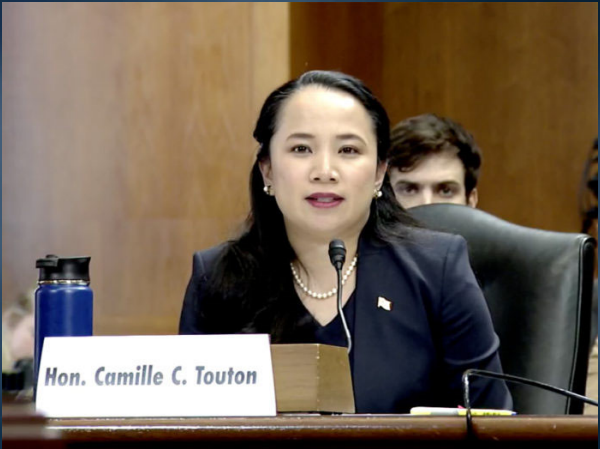


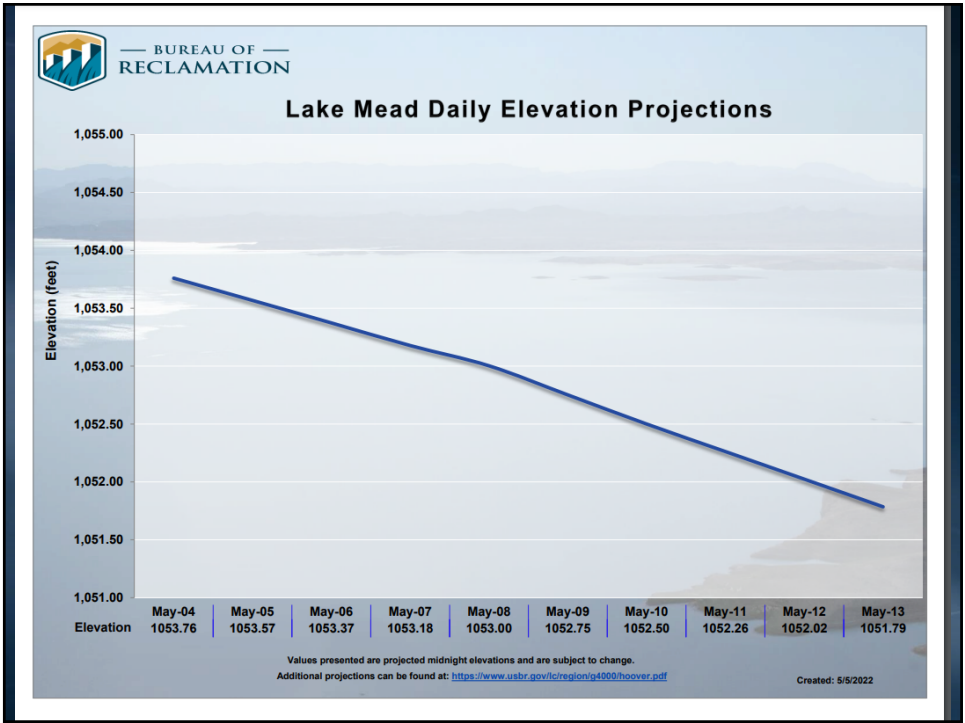
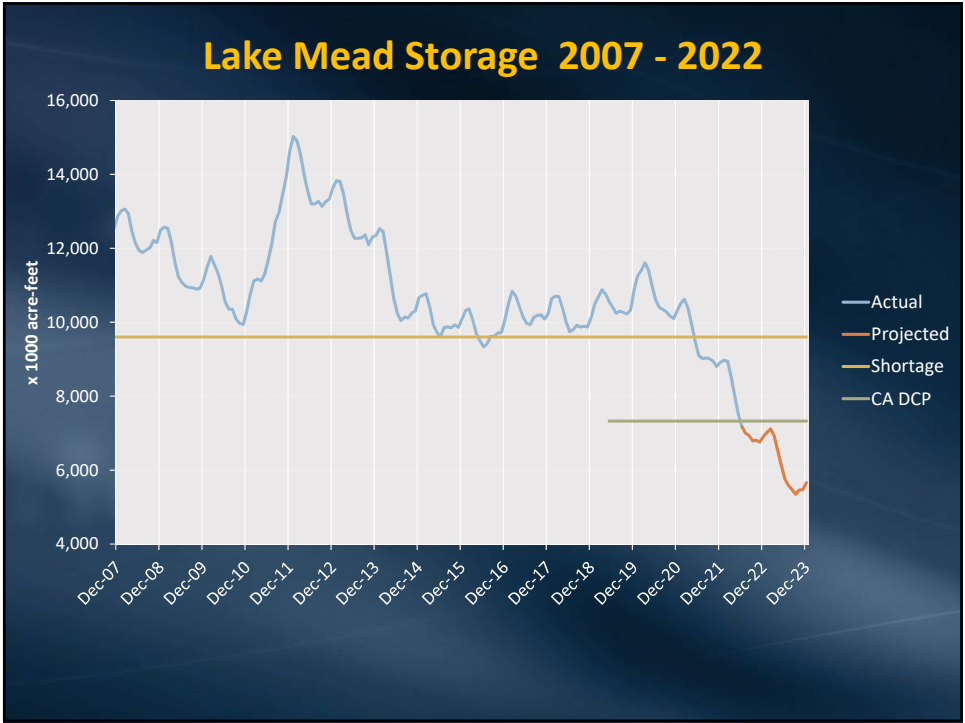
May 21, 2019, Department of Interior and States
approve Colorado River Drought Contingency Plan





June 14, 2022: Commissioner Touton Calls for 2 – 4 MAF of Water Reductions in 2023





Items Appear as Lake Mead Drops



SNWA's Original Intake

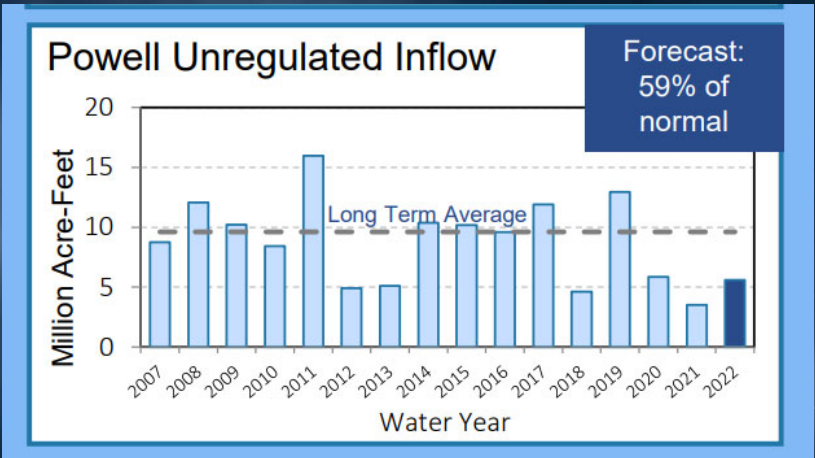


Body Found in Barrel

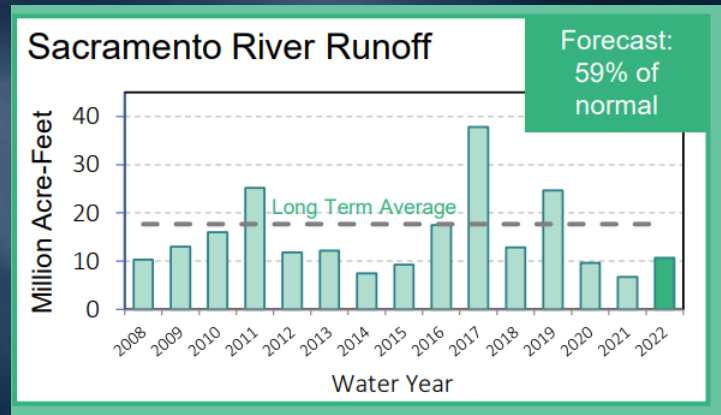


Ghost Ship Emerges

(1) Three Dry Years on Colorado River



(2) MWD Shifts to Colorado River for Imported Water



(3) Feds Take Action to Protect Glen Canyon Dam

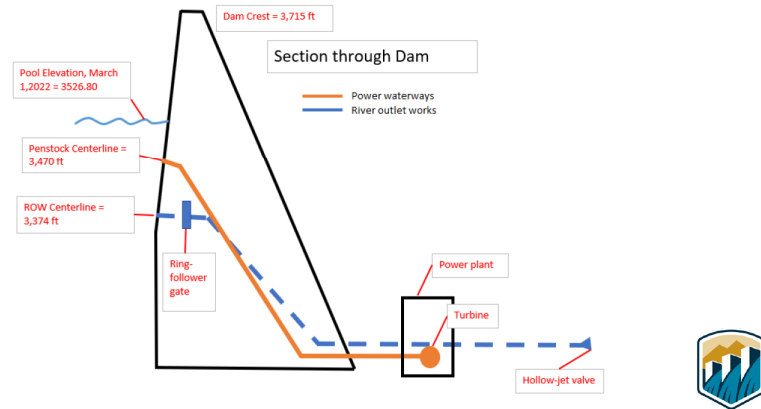
Releasing water from Glen Canyon Dam



- Power generation
 - 8 penstocks / turbines / generators
 - Center line elevation: 3,470 ft
 - Up to ~33,000 cfs
- River Outlet Works (Bypass Tubes)
 - 4 outlets / valves
 - Center line elevation: 3,374 ft
 - Up to 15,000 cfs
- Spillway
 - 2 spillways
 - Crest elevation: 3,648 ft
 - Up to 276,000 cfs



Glen Canyon Dam – Sectional View



15

Lake Mead has dropped 25 feet since January



USBR Latest Studies About Needed Colorado River Protection Volumes

Lake Mead Elevations and Necessary Protection Volumes


2023-2026 Average Lake Powell Inflow	Avg Lake Mead End-of-Year Elevation Without Action (ft)				Annual Volumes (maf) Needed to Protect:	
Percent of 1991-2020 Avg*	2023	2024	2025	2026	Powell 3,525' & Mead 1,020' Avg (Min – Max)	Powell 3,500' & Mead 1,000' Avg (Min – Max)
Greater than 95%	1,049	1,052	1,059	1,066	0.6 (0.3 – 2.0)	0.2 (0.0 – 1.4)
80% - 95%	1,028	1,025	1,020	1,021	1.3 (0.3 – 2.8)	0.6 (0.0 – 2.1)
64% - 79%	1,028	1,017	998	983	2.1 (1.1 – 3.1)	1.3 (0.4 – 2.3)
50% - 63%	1,018	988	943	914	3.5 (2.5 – 4.5)	2.7 (1.7 – 3.7)
Less than 50%	1,006	917	895	896	4.2 (4.2 – 4.2)	3.5 (3.5 – 3.5)

1,000' < Pool Elevation < 1,020'

Pool Elevation < 1,000'

Mead Elevation (ft)	Storage (maf)	% Capacity
1,020	5.7	21.7
1,000	4.5	17.1
950	2.0	7.7
895	0.0	0.0

* 1991-2020 Avg = 9.46 maf
2000-2021 Avg = 8.31 maf
2018-2021 Avg = 6.86 maf (73% of 1991-2020)
2022 = ~6.0 maf (63% of 1991-2020)



June 16, 2022

