

COLORADO RIVER BASIN UPDATE AND STATUS

Presented to

Arizona Water Banking Authority
March 4, 2019



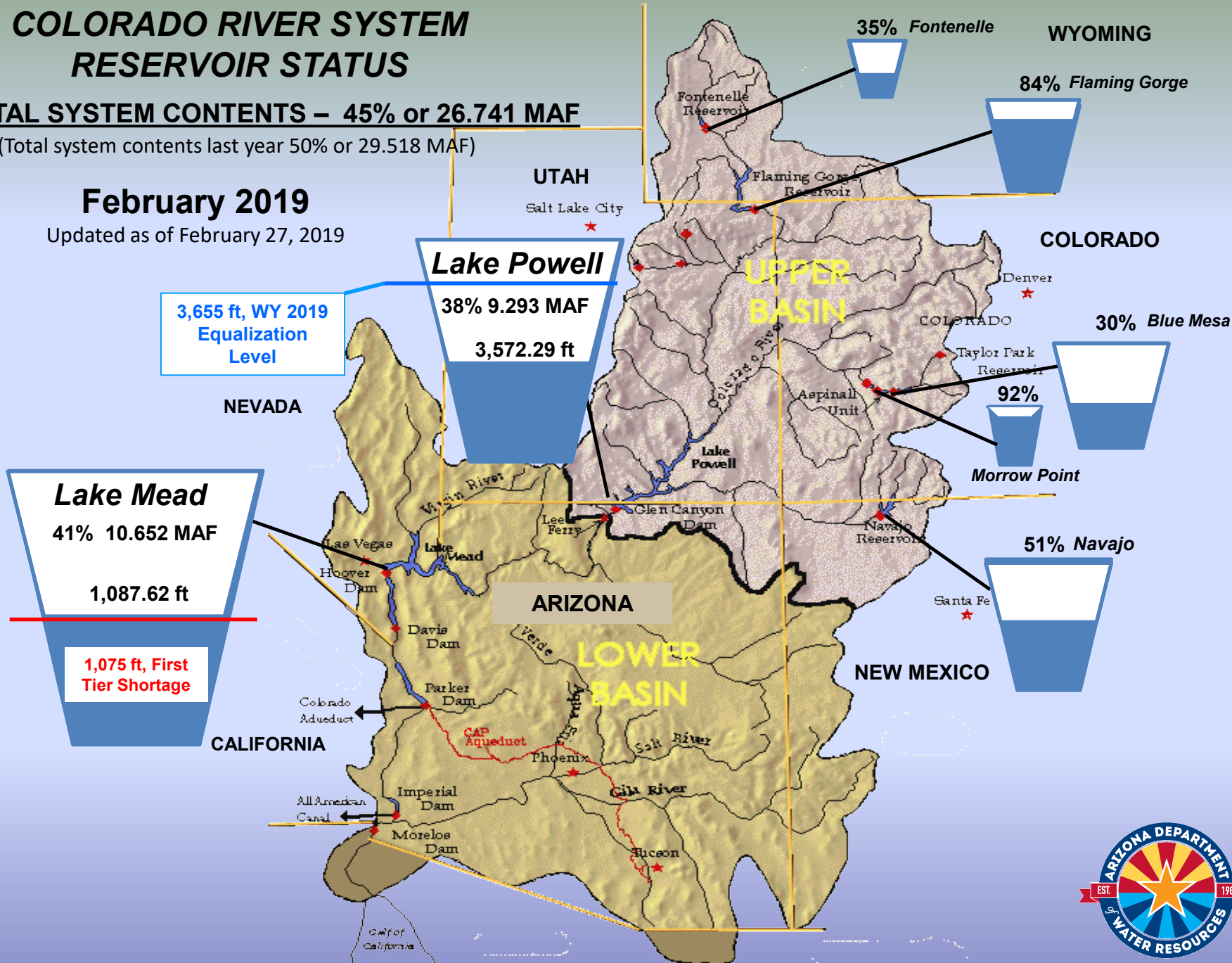
COLORADO RIVER SYSTEM RESERVOIR STATUS

TOTAL SYSTEM CONTENTS – 45% or 26.741 MAF

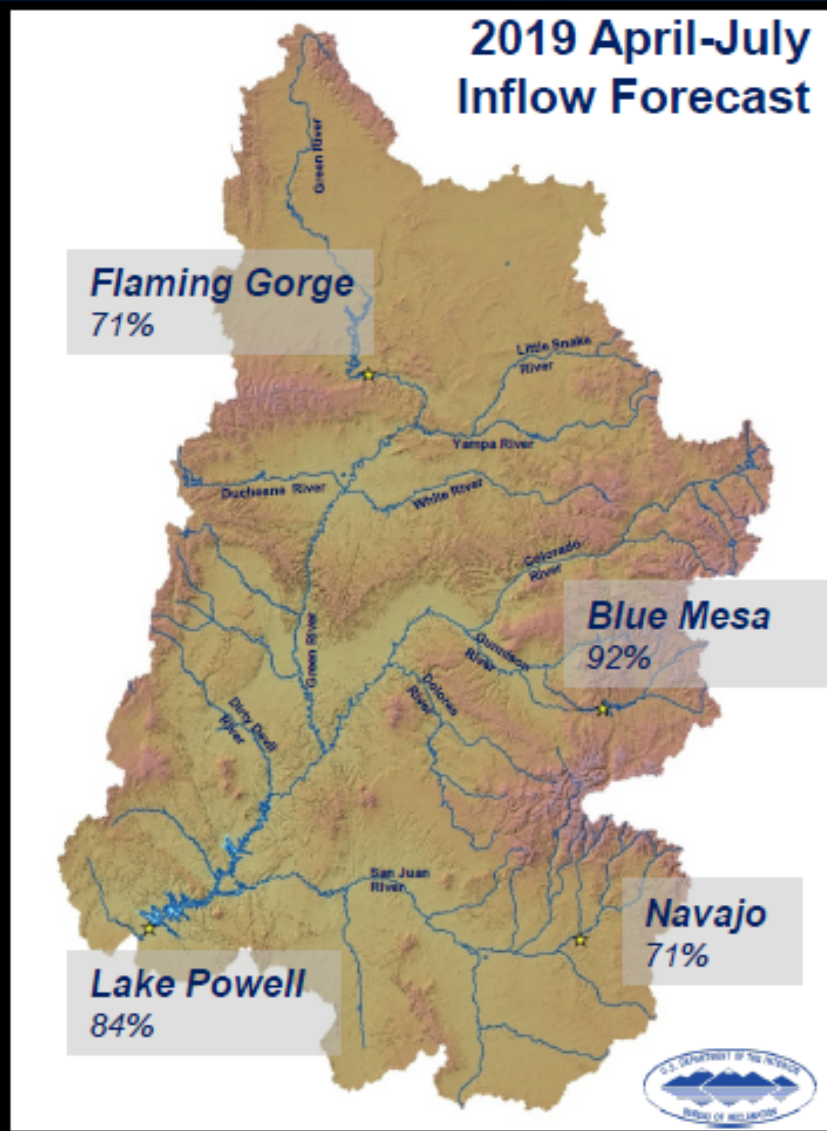
(Total system contents last year 50% or 29.518 MAF)

February 2019

Updated as of February 27, 2019



CBRFC Unregulated Inflow Forecast dated February 15, 2019



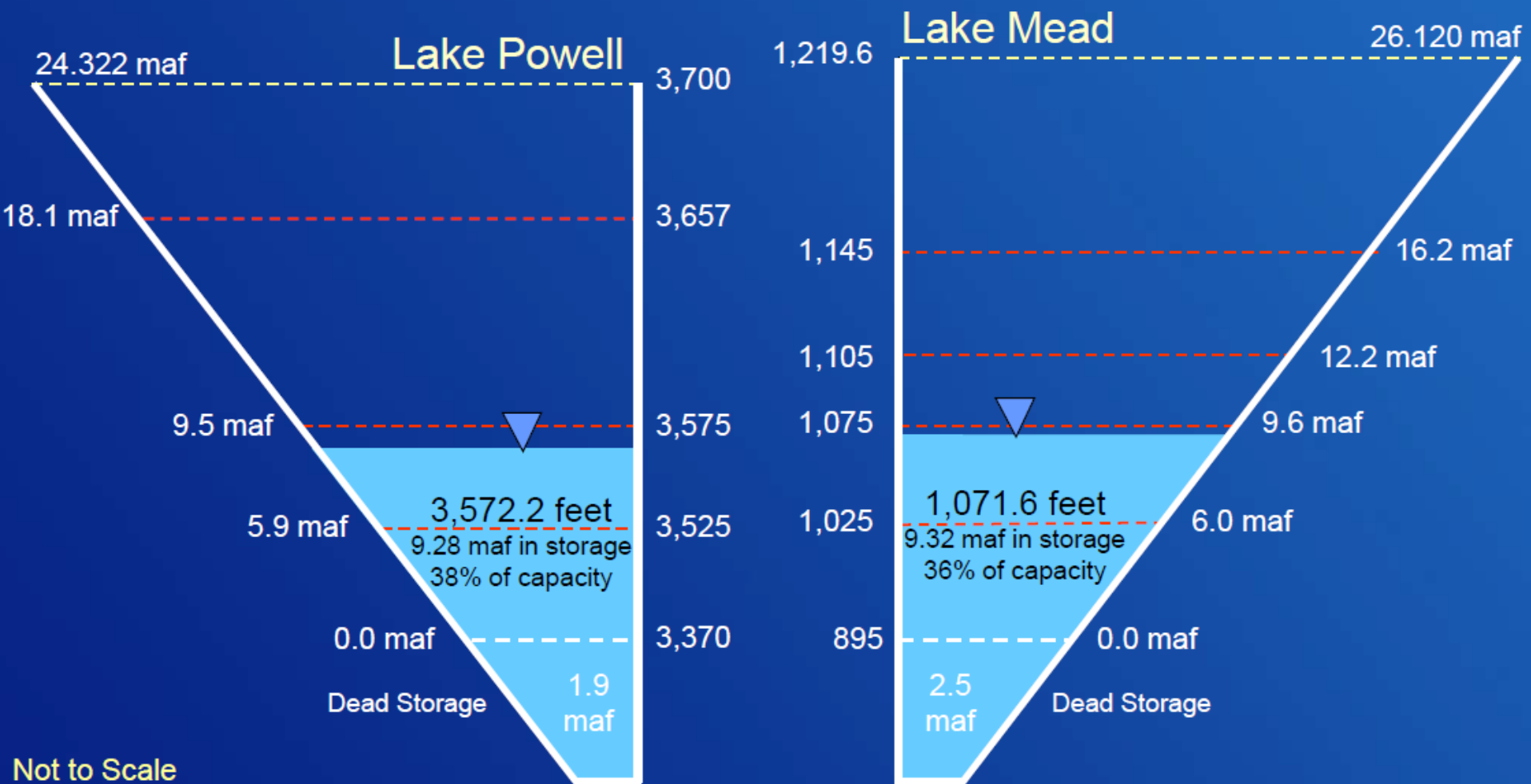
Month/Period	Inflow (kaf)	Percent of Average
Jan 2019 (Observed)	212	59
Feb 2019	250	64
Mar 2019	415	62
Apr 2019	720	68
2019 Apr-Jul	6,000	84
WY 2019	8,400	78

RECLAMATION

End of Calendar Year 2019 Projections

February 2019 24-Month Study Most Probable Inflow Scenario¹

Based on a Lake Powell release of 8.91 maf in WY 2019 & 7.48 maf in WY 2020



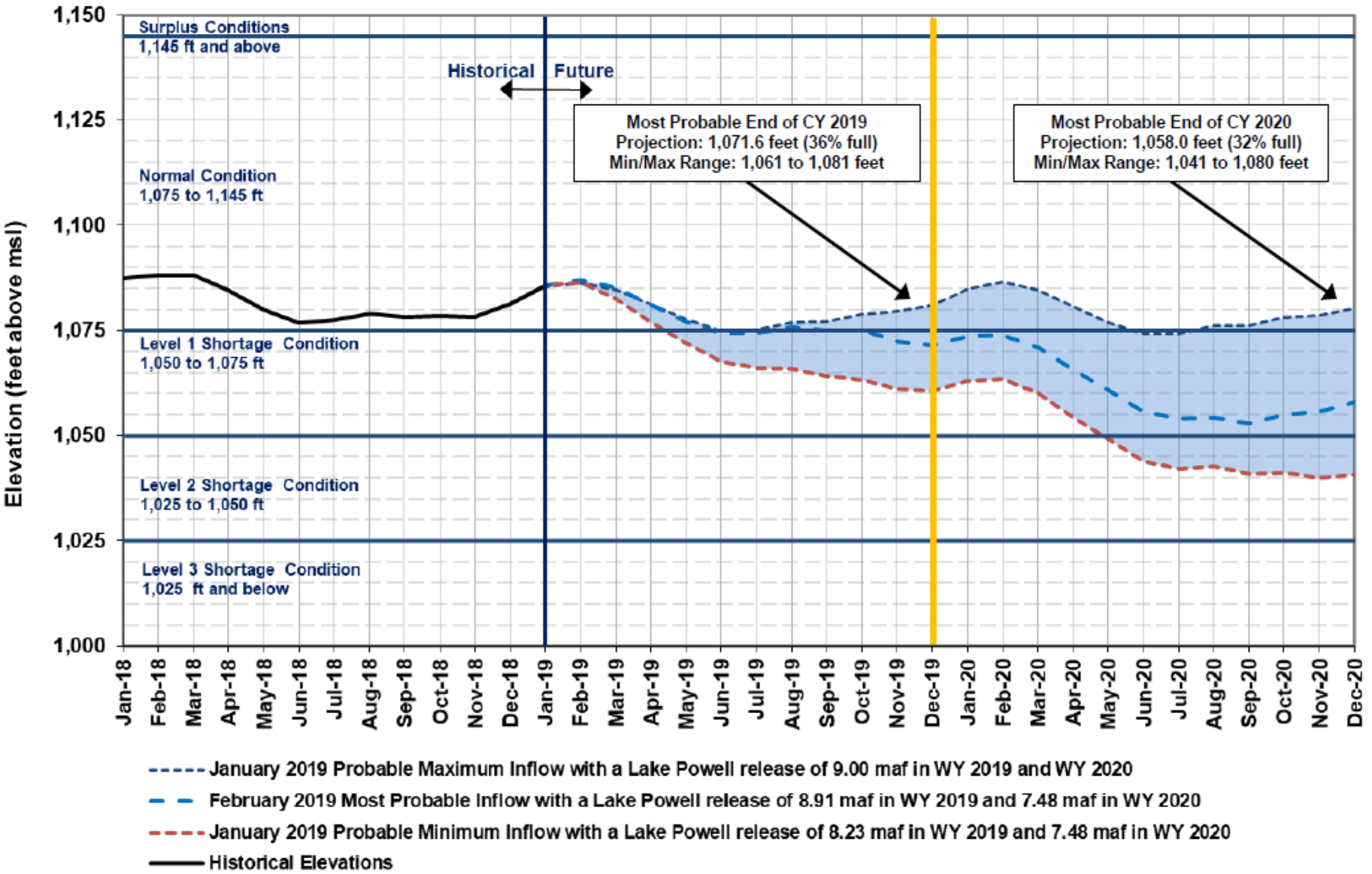
Not to Scale

¹ WY 2019 unregulated inflow into Lake Powell is based on the CBRFC forecast dated 2/4/19.

RECLAMATION

Lake Mead End of Month Elevations

Projections from the January and February 2019 24-Month Study Inflow Scenarios



Probabilities of Lower Colorado River Basin Shortage

U.S. Bureau of Reclamation CRSS Model Run – August 2018

	2019	2020	2021	2022	2023
Probability of any level of shortage (Mead \leq 1,075 ft.)	0	57	68	70	65
1 st level shortage (Mead \leq 1,075 and \geq 1,050 ft)	0	57	42	40	28
2 nd level shortage (Mead $<$ 1,050 and \geq 1,025 ft)	0	0	26	23	24
3 rd level shortage (Mead $<$ 1,025)	0	0	0	7	14

U.S. Bureau of Reclamation MTOM/CRSS Model Run – January 2019

	2019	2020	2021	2022	2023
Probability of any level of shortage (Mead \leq 1,075 ft.)	0	69	82	81	79
1 st level shortage (Mead \leq 1,075 and \geq 1,050 ft)	0	69	50	33	26
2 nd level shortage (Mead $<$ 1,050 and \geq 1,025 ft)	0	0	31	39	31
3 rd level shortage (Mead $<$ 1,025)	0	0	0	9	21