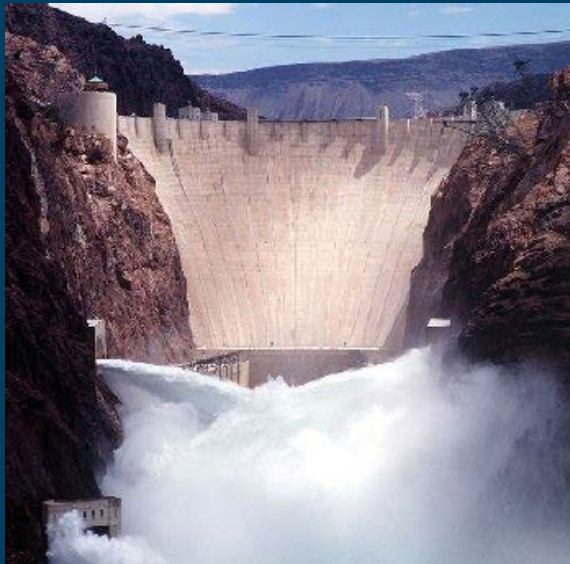


# ***COLORADO RIVER BASIN UPDATE AND STATUS***

Presented to

**Arizona Water Banking Authority  
March 21, 2018**

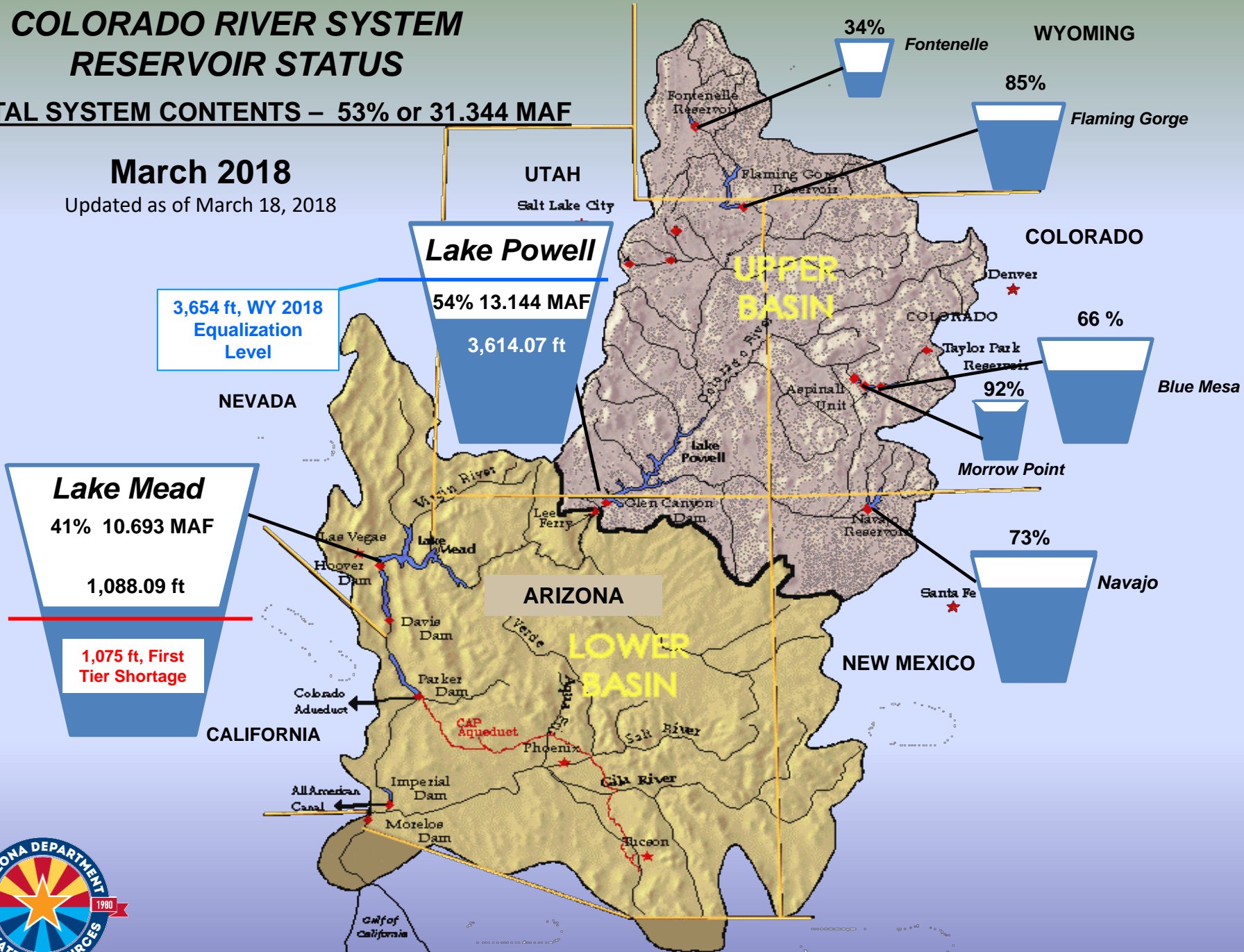


# COLORADO RIVER SYSTEM RESERVOIR STATUS

**TOTAL SYSTEM CONTENTS – 53% or 31.344 MAF**

**March 2018**

Updated as of March 18, 2018

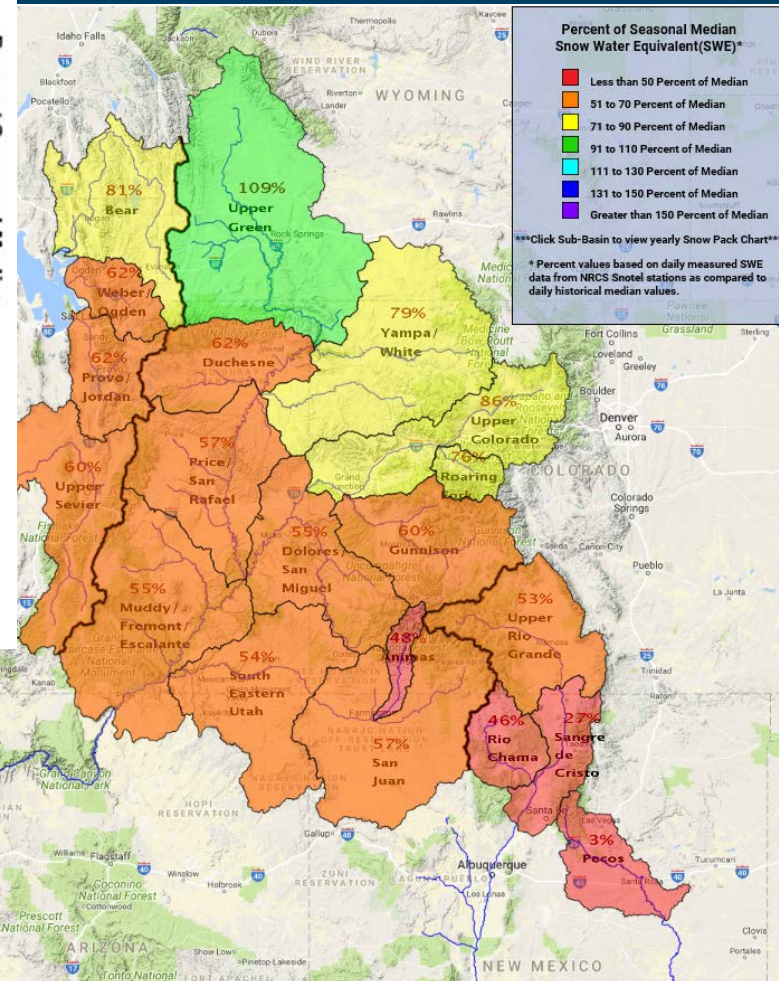
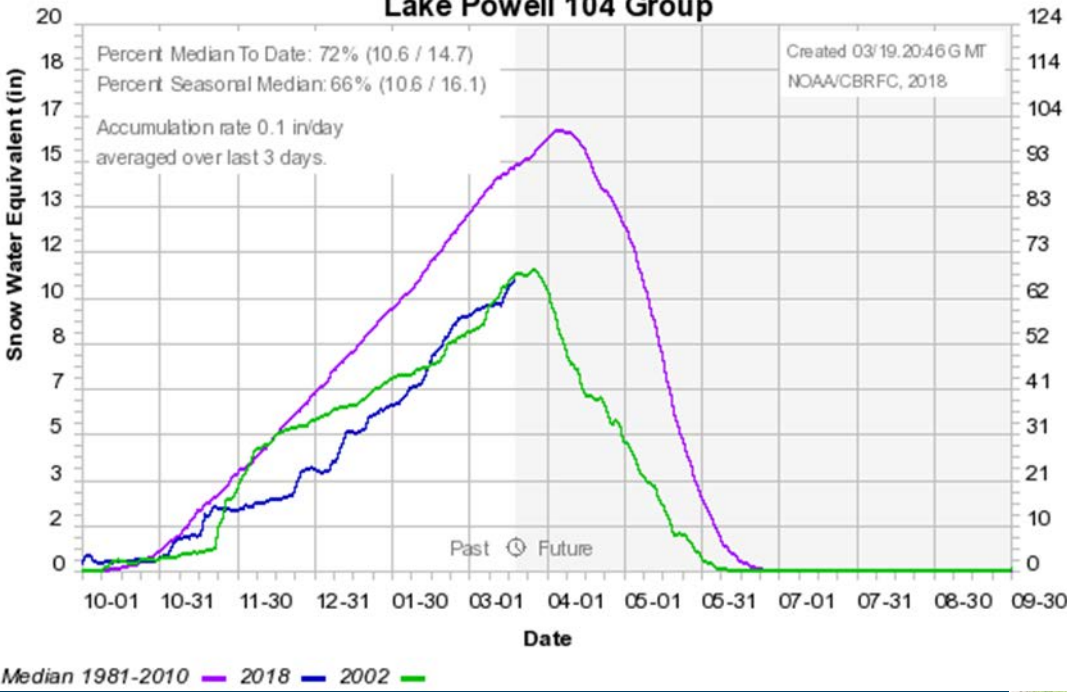


Data Source: United States Bureau of Reclamation



# COLORADO RIVER BASIN FORECAST CENTER CURRENT SNOWPACK

Colorado Basin River Forecast Center  
Lake Powell 104 Group

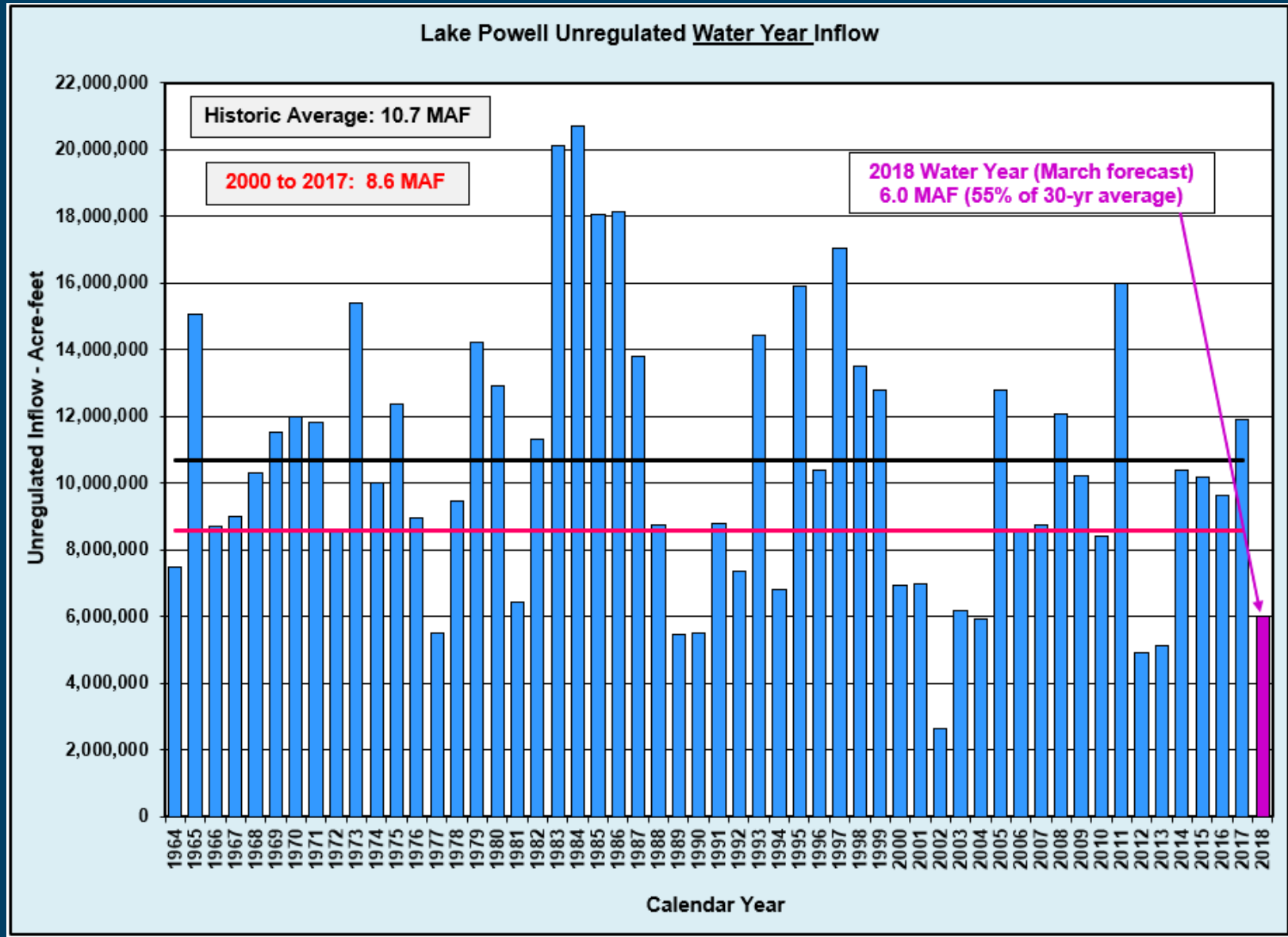


Source: Colorado Basin River Forecast Center

Source: Natural Resources Conservation Service

# COLORADO RIVER BASIN FORECAST CENTER

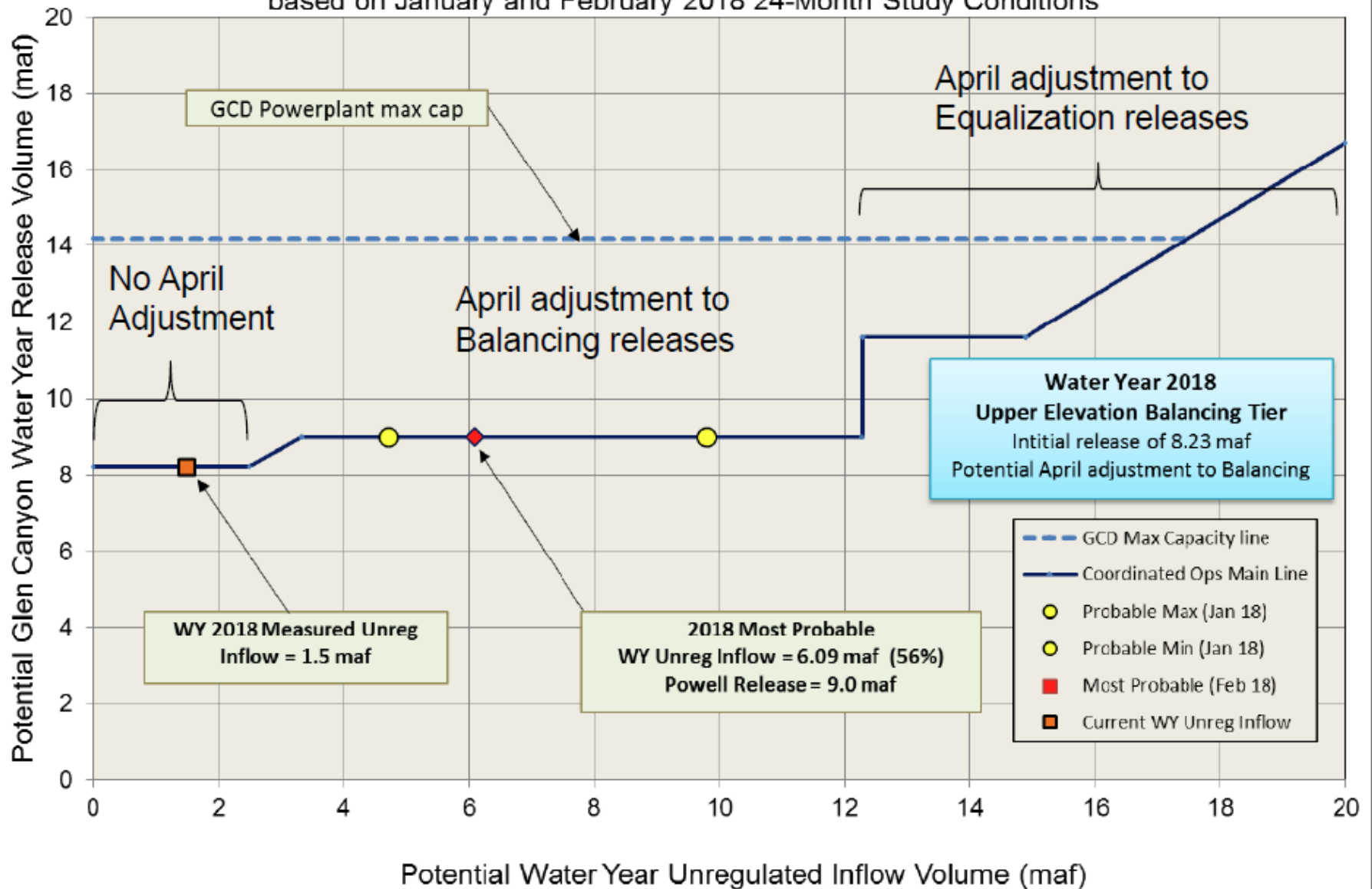
## INFLOW FORECAST - Final Forecast March 1, 2018



Source: United States Bureau of Reclamation

# Potential Lake Powell Release Scenarios

Water Year 2018 Release Volume as a Function of Unregulated Inflow Volume  
based on January and February 2018 24-Month Study Conditions



# Probabilities of Lower Colorado River Basin Shortage

U.S. Bureau of Reclamation MTOM/CRSS Model Run – January 2018

	2018	2019	2020	2021	2022
<b>Probability of any level of shortage (Mead <math>\leq</math> 1,075 ft.)</b>	<b>0</b>	<b>17</b>	<b>49</b>	<b>58</b>	<b>63</b>
1 <sup>st</sup> level shortage (Mead $\leq$ 1,075 and $\geq$ 1,050 ft)	0	17	48	43	39
2 <sup>nd</sup> level shortage (Mead $<$ 1,050 and $\geq$ 1,025 ft)	0	0	1	15	18
3 <sup>rd</sup> level shortage (Mead $<$ 1,025)	0	0	0	$<$ 1	5

- **The probability for shortage in 2019 has increased from 15 % in the August 2017 model to 17% in the January 2018 model. The probabilities of shortage in the following years, 2020-2022, have also increased by 7%, 13%, and 11% respectively.**