

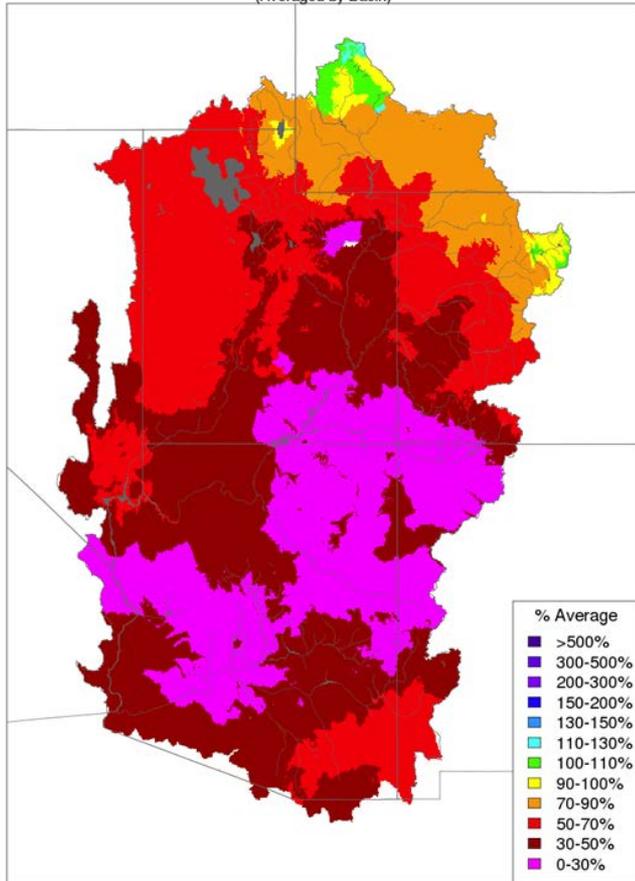
Colorado River Commission of Nevada

Natural Resources Group Hydrologic Update March 13, 2018



Precipitation

Water Year Precipitation, October 2017 - February 2018
(Averaged by Basin)



Prepared by NOAA, Colorado Basin River Forecast Center
Salt Lake City, Utah, www.cbrfc.noaa.gov

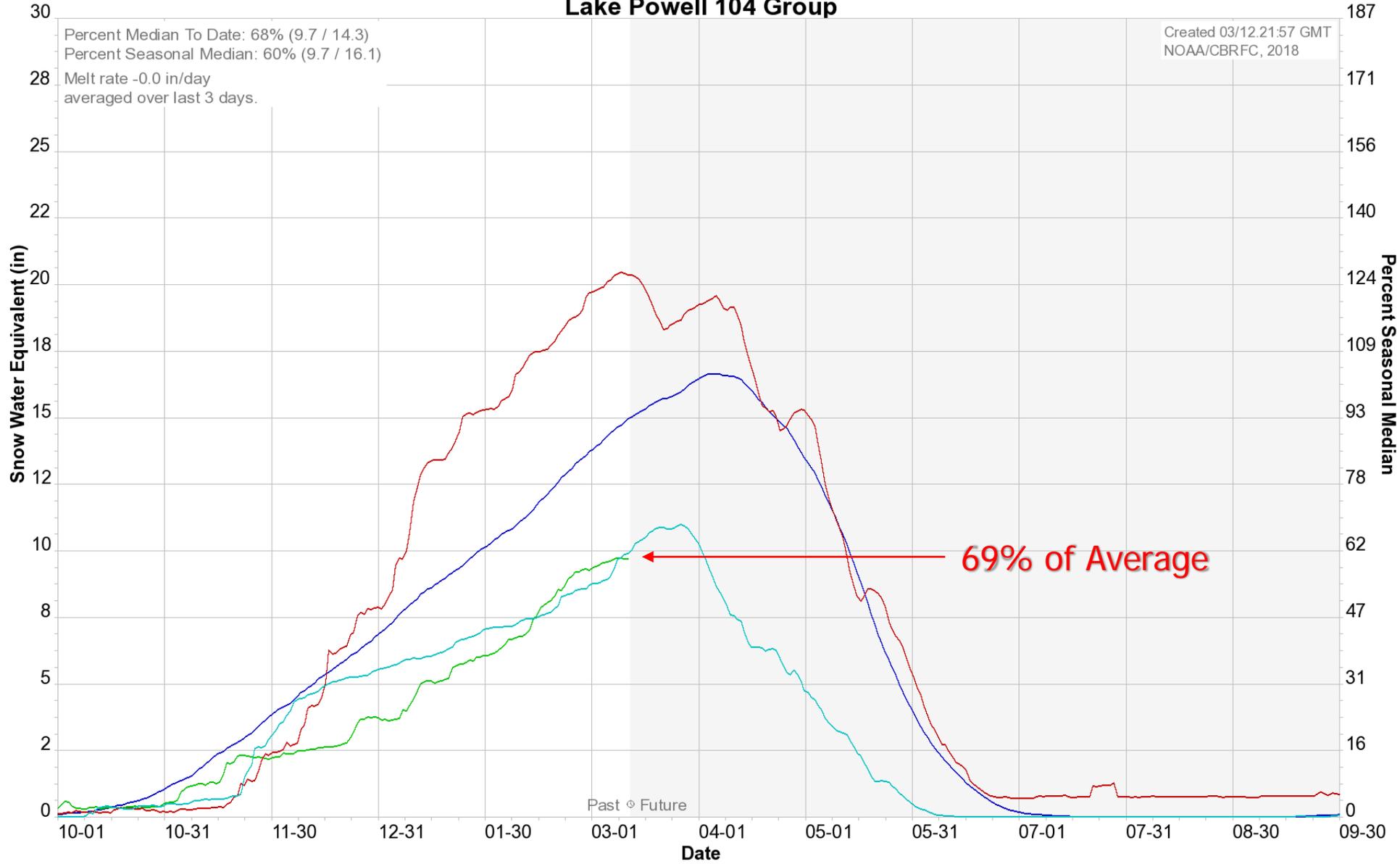
Above Lake Powell WY Precipitation
to date: 66% or (10.6")

Month	Precipitation (% of average)
OCT	56
NOV	59
DEC	50
JAN	76
FEB	97
MAR	
APR	
MAY	
JUN	
JUL	
AUG	
TOTAL	66

Colorado Basin River Forecast Center Lake Powell 104 Group

Created 03/12:21:57 GMT
NOAA/CBRFC, 2018

Percent Median To Date: 68% (9.7 / 14.3)
Percent Seasonal Median: 60% (9.7 / 16.1)
Melt rate -0.0 in/day
averaged over last 3 days.

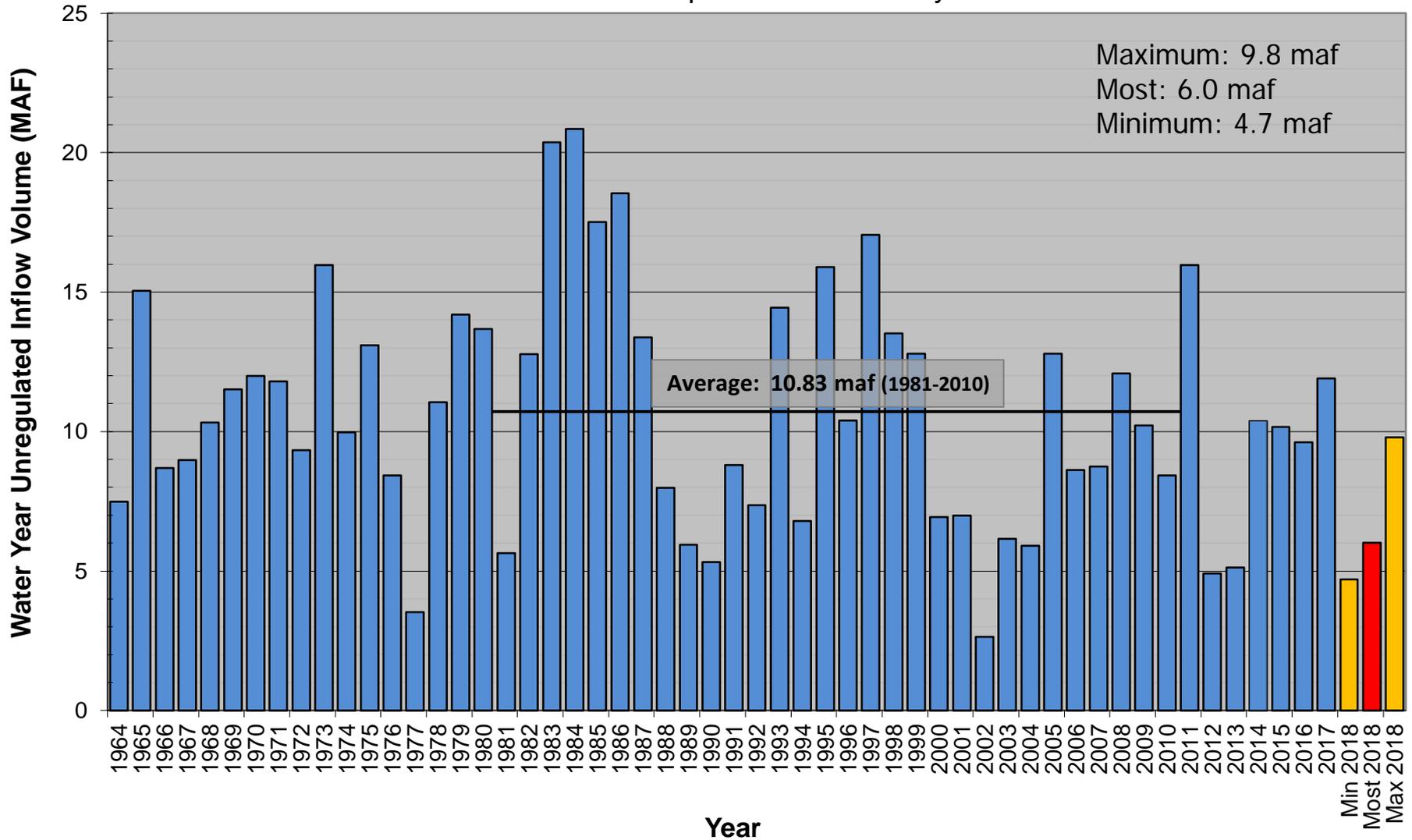


Average 1981-2010 — 2018 — 2017 — 2002 —

Lake Powell Unregulated Inflow

Water Year 2018 Forecast (*issued March 2*)

Comparison with History



Unregulated Inflow & Storage

As of March 12, 2018

Projected unregulated inflow to Lake Powell	MAF*	% Avg**
WY 2018	6.0	55%
April-July 2018	3.4	47%

Storage	Elevation (f)	MAF*	% Capacity	 Δ year
Lake Mead	1,088.3	10.7	41%	 0.8 ft
Lake Powell	3,614.8	13.3	55%	 20.9 ft
Total storage***		31.5	53%	 1.9 maf

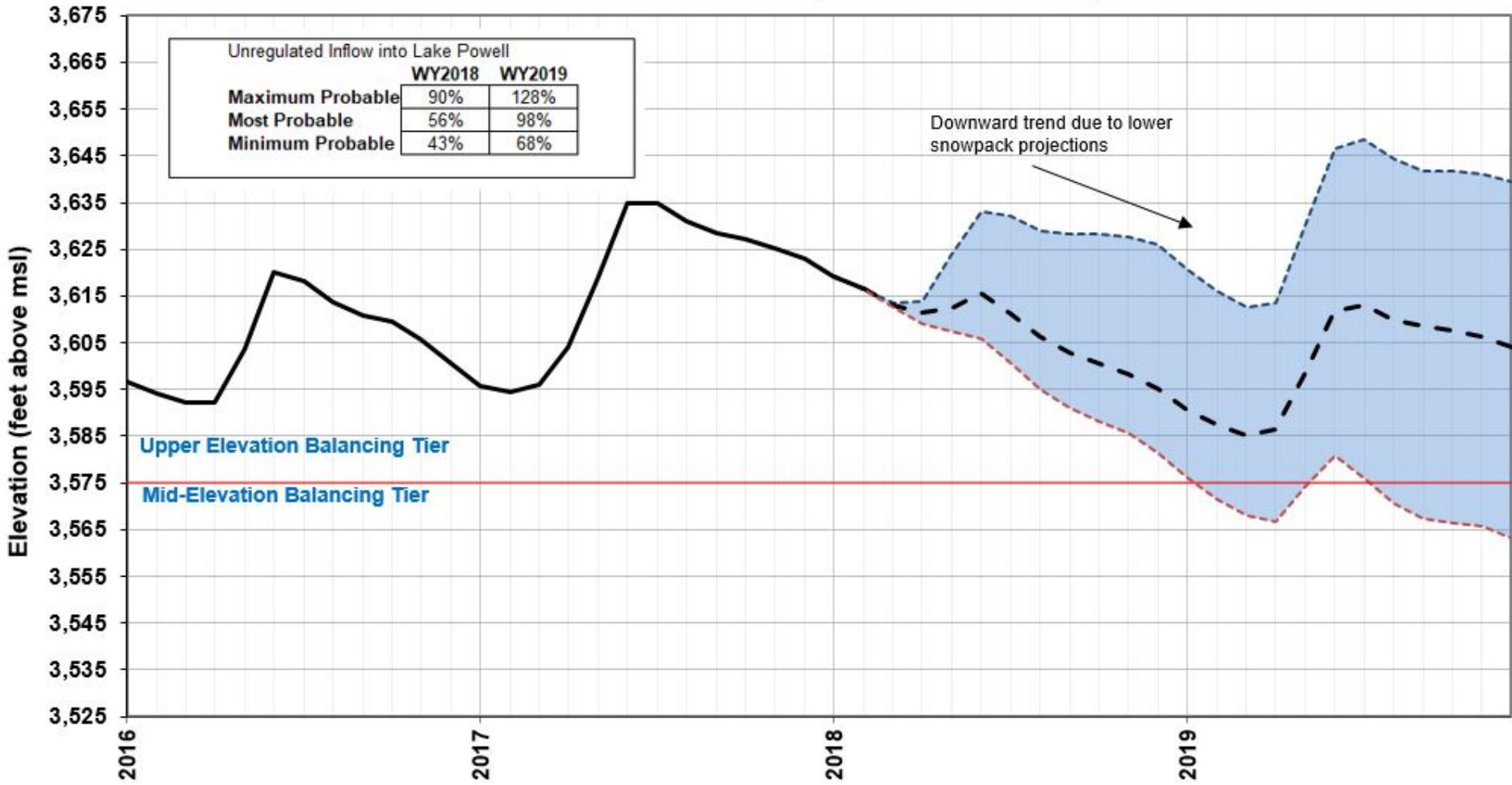
*MAF=Million Acre-Feet

**30-year average, from 1981-2010 (current normal)

***Total storage includes additional Upper and Lower Basin reservoirs

Lake Powell Projections

Reclamation's February 2018 24-Month Study

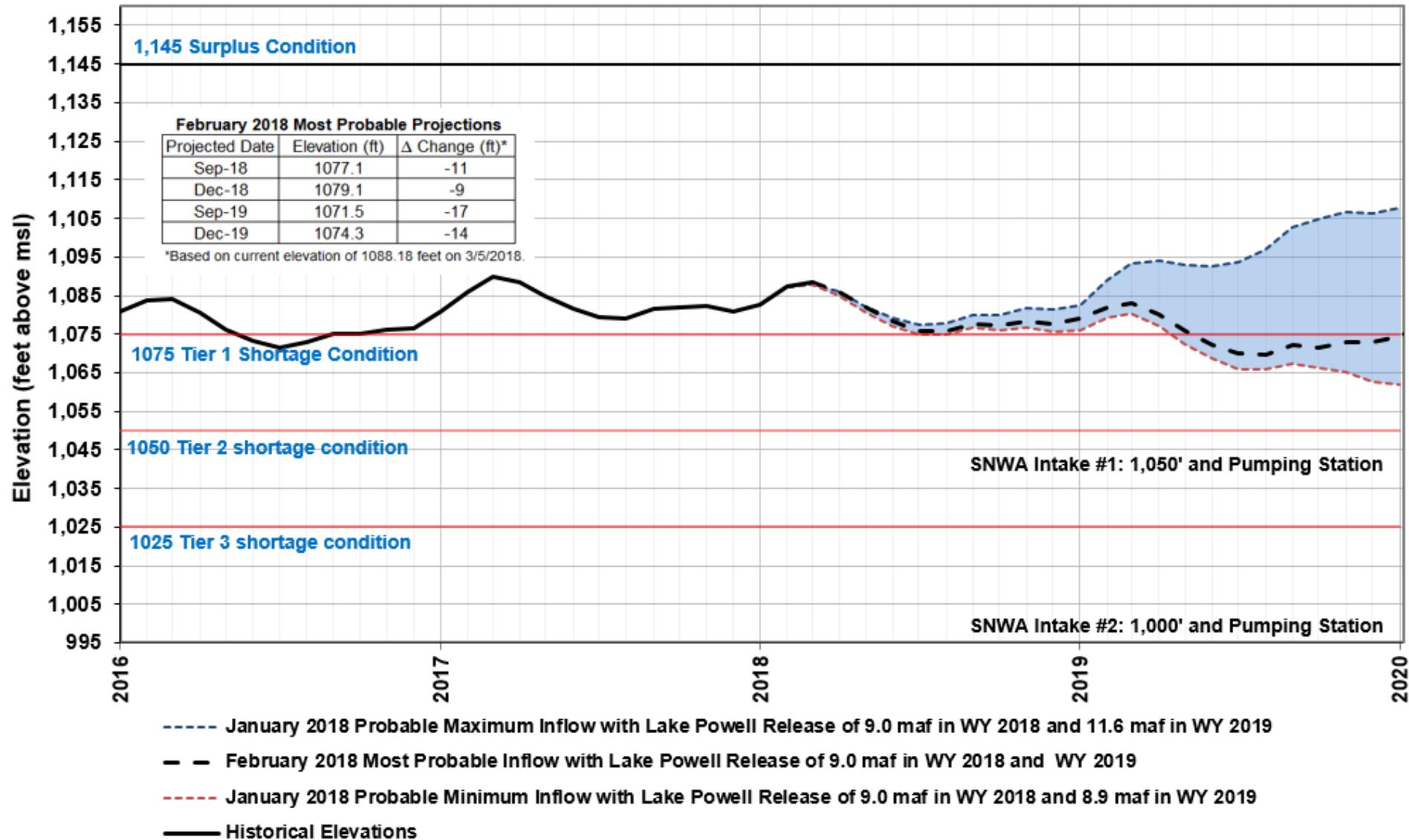


Unregulated Inflow into Lake Powell		
	WY2018	WY2019
Maximum Probable	90%	128%
Most Probable	56%	98%
Minimum Probable	43%	68%

- January 2018 Probable Maximum Inflow with Lake Powell Release of 9.0 maf in WY 2018 and 11.6 maf in WY 2019
- - - February 2018 Most Probable Inflow with Lake Powell Release of 9.0 maf in WY 2018 and WY 2019
- . . . January 2018 Probable Minimum Inflow with Lake Powell Release of 9.0 maf in WY 2018 and 8.9 maf in WY 2019
- Historical Elevations

Lake Mead Projections

Reclamation's February 2018 24-Month Study



Water Use in Southern Nevada

January 2018

2018: Consumptive Use = *9,958 af

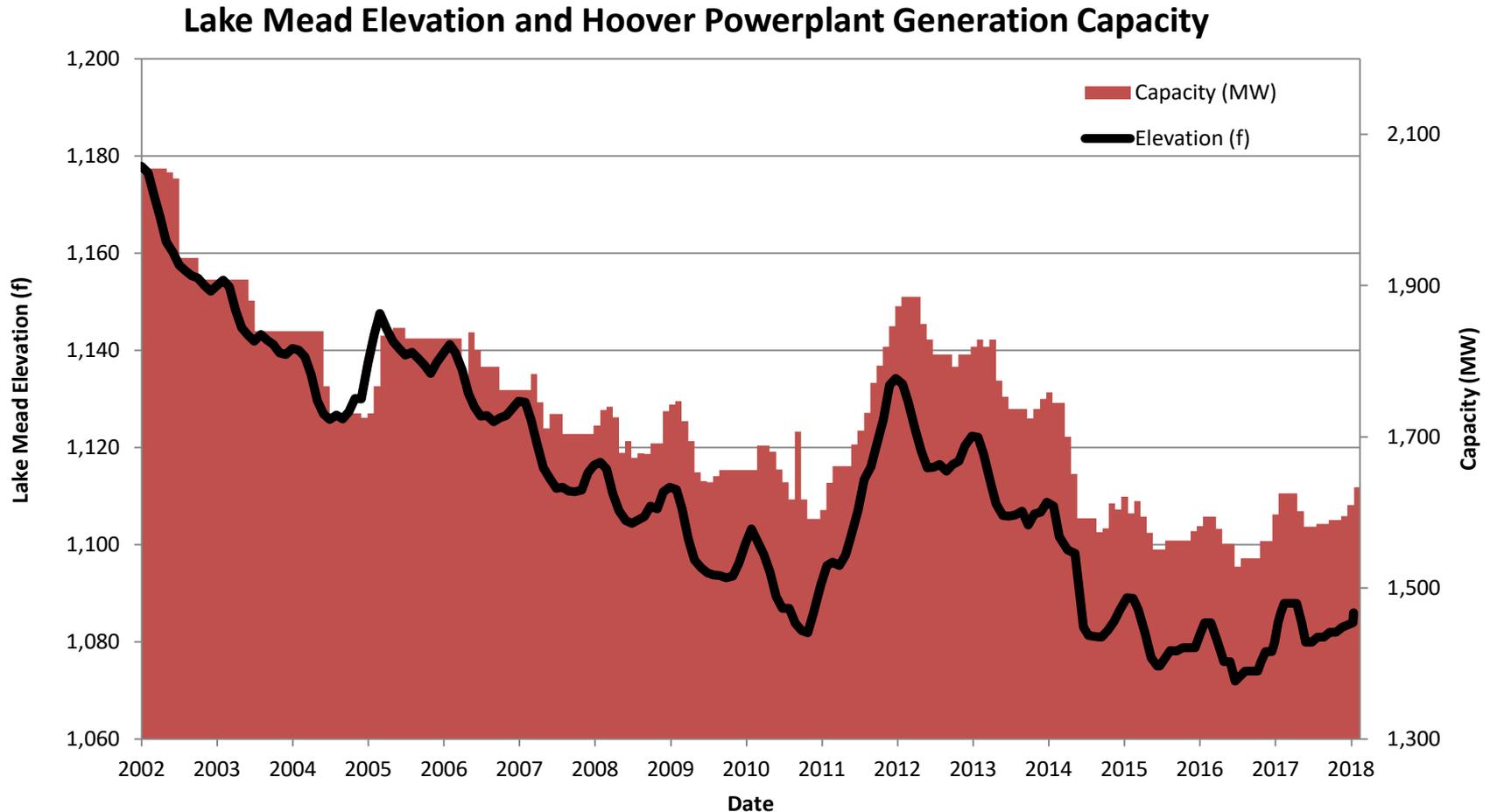
2017: Consumptive Use = *7,508 af

Difference = 2,450 af

*Subject to final accounting.



Hydropower Capacity



- On February 22, 2018 capacity was increased to 1,633 MW.

March Reservoir Conditions (Summary)

Lake Powell

- Upper Basin snowpack accumulation is currently at 72% of average.
- Dry conditions are decreasing the forecasted elevations in both reservoirs.
- Lake Powell is forecasted to decrease 20 feet by December 2018.

Lake Mead

- Elevation is about one foot less than this time last year.
- Lake Mead is forecasted to decrease 9 feet by December 2018.

Storage	Elevation (f)	% Capacity	△ year
Lake Mead	1,088.3	41%	↓ 0.8 ft
Lake Powell	3,614.8	55%	↑ 20.9 ft

Data retrieved March 5, 2018



Colorado River Commission of Nevada

Questions?

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