

# Colorado River Commission of Nevada





## Natural Resources Group Hydrologic Update January 10, 2018



# Unregulated Inflow & Storage

As of January 8, 2018

Projected unregulated inflow to Lake Powell	MAF*	% Avg**
WY 2018	6.8	62%
April-July 2018	3.9	54%

Storage	Elevation (f)	MAF*	% Capacity	 Δ year
Lake Mead	1,083.2	10.3	39%	 1.4 ft
Lake Powell	3,622.1	14.0	58%	 22.8 ft
Total storage***		32.0	54%	 2.5 maf

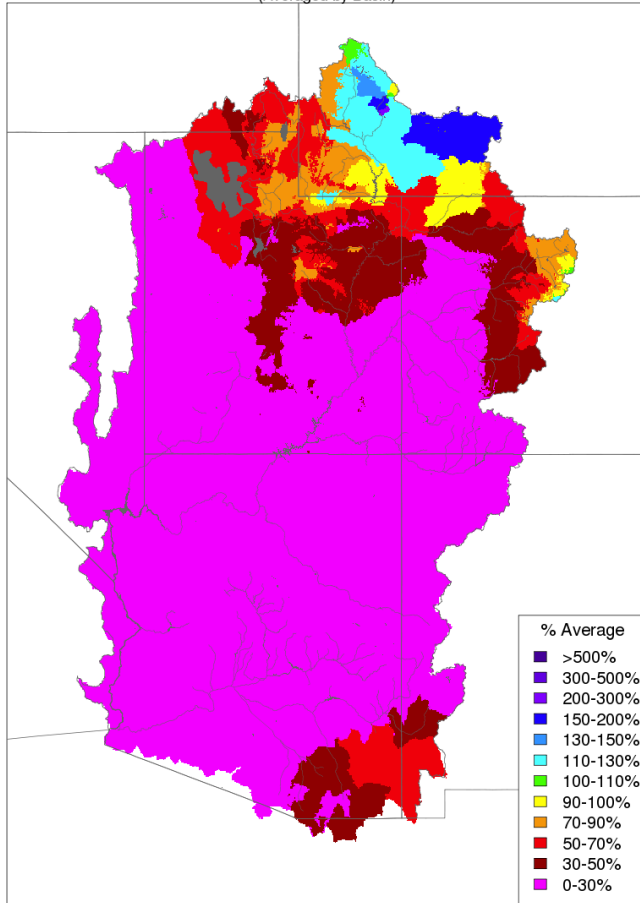
\*MAF=Million Acre-Feet

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

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

# Precipitation

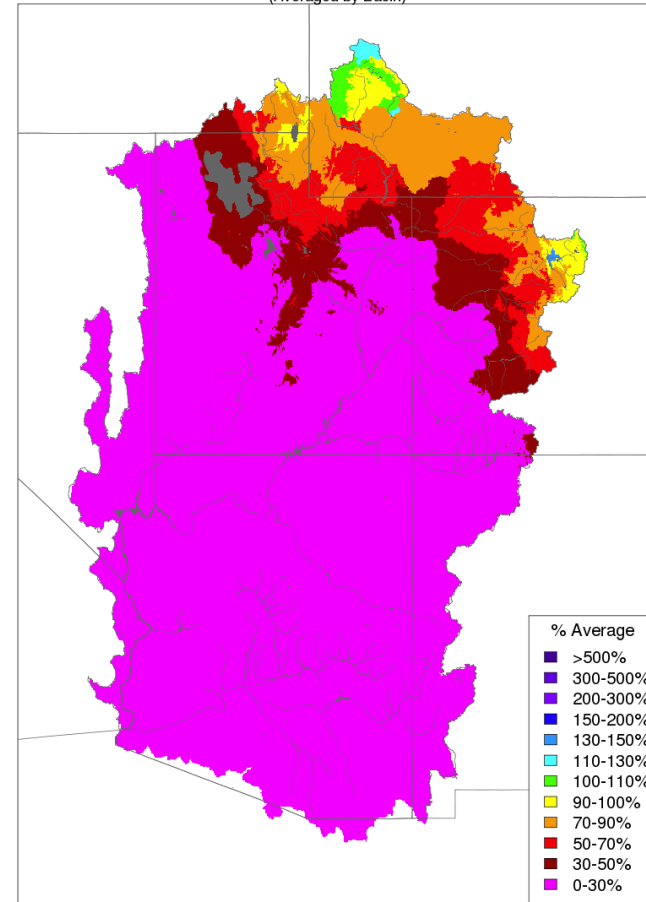
Monthly Precipitation - December 2017  
(Averaged by Basin)



Prepared by NOAA, Colorado Basin River Forecast Center  
Salt Lake City, Utah, [www.cbrfc.noaa.gov](http://www.cbrfc.noaa.gov)

December precipitation  
above Lake Powell: 51%

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



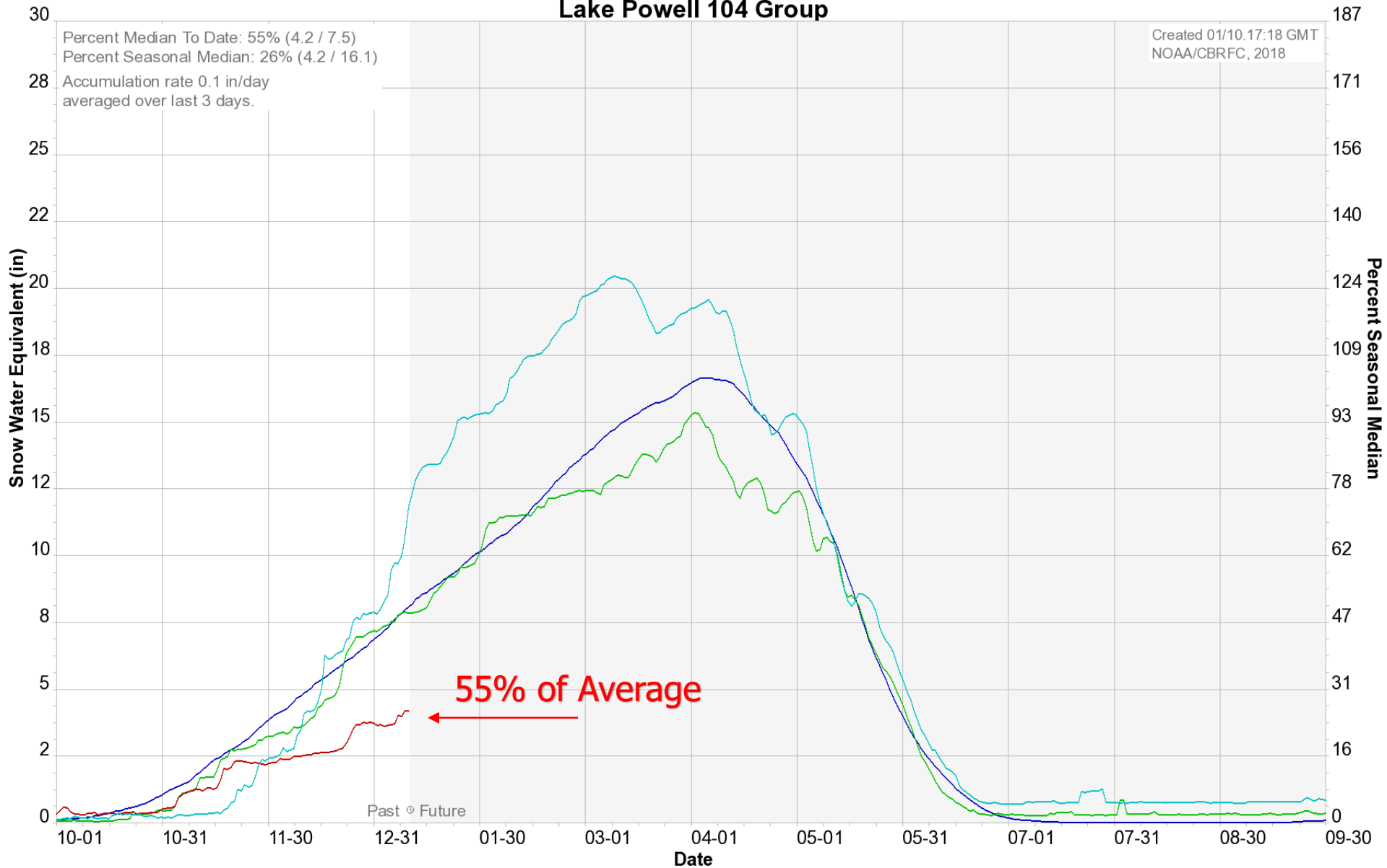
Prepared by NOAA, Colorado Basin River Forecast Center  
Salt Lake City, Utah, [www.cbrfc.noaa.gov](http://www.cbrfc.noaa.gov)

Cumulative water year precipitation  
above Lake Powell: 56%

# Colorado Basin River Forecast Center Lake Powell 104 Group

Created 01/10.17:18 GMT  
NOAA/CBRFC, 2018

Percent Median To Date: 55% (4.2 / 7.5)  
Percent Seasonal Median: 26% (4.2 / 16.1)  
Accumulation rate 0.1 in/day  
averaged over last 3 days.



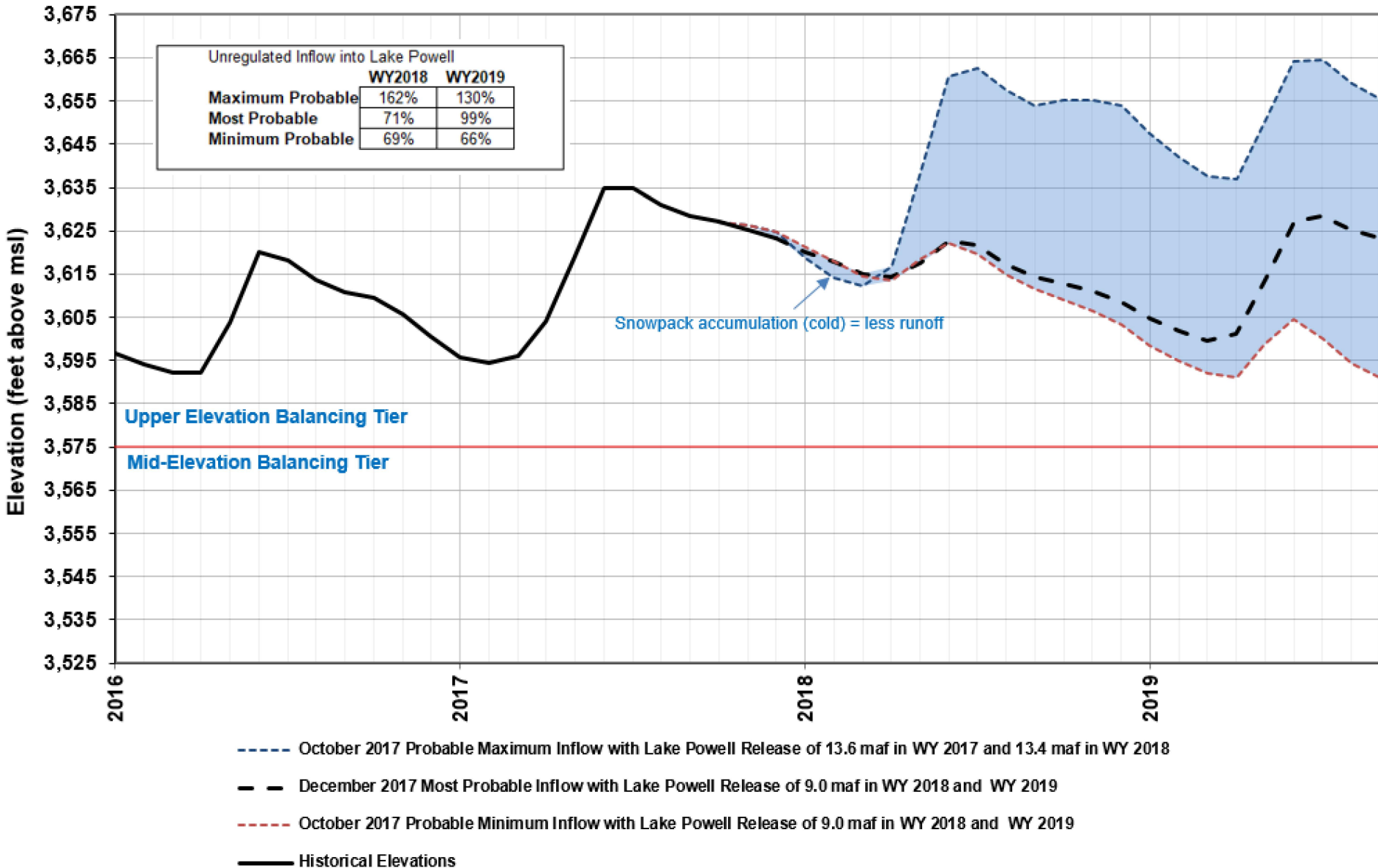
55% of Average

Past ◉ Future

Average 1981-2010 — 2016 — 2018 — 2017 —

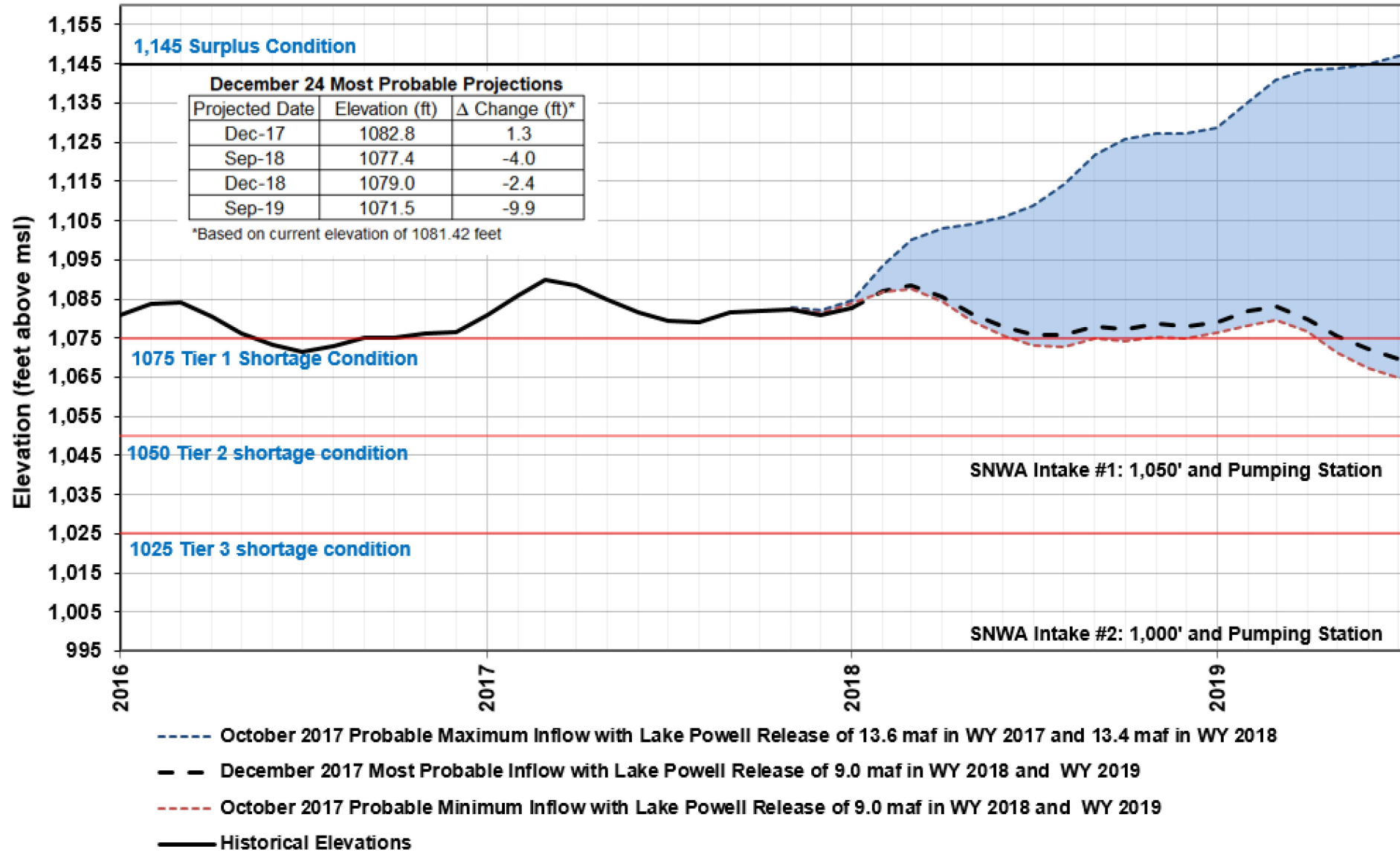
# Lake Powell Projections

Reclamation's December 2017 24-Month Study



# Lake Mead Projections

## Reclamation's December 2017 24-Month Study



# Water Use in Southern Nevada

January- November 2017

2017: Consumptive Use = 231,059\* af

2016: Consumptive Use = 228,900 af

**Difference = 2,159 af**

\*Subject to final accounting.



# December Reservoir Conditions (Summary)

## Lake Powell

- Upper Basin snowpack accumulation is currently at 55% of average.
- Increased over 22 feet from this time last year which will benefit Lake Mead.

## Lake Mead

- Elevation is one foot higher than this time last year.
- Lake Mead is forecasted to decrease by 2.8 feet by December 2018.

Storage	Elevation (f)	% Capacity	△ year
Lake Mead	1,083.2	39%	↑ 1.4 ft
Lake Powell	3,622.1	58%	↑ 22.8 ft

Data retrieved January 8, 2018





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## Questions?

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