

# Colorado River Commission of Nevada

## Natural Resources Group Hydrologic Update February 14, 2017



# Unregulated Inflow & Storage

As of February 13, 2017

Projected unregulated inflow to Lake Powell	MAF*	% Avg**
WY 2017 (Forecast):	13.19	122%
April-July 2017 (Forecast):	9.60	134%

Storage	Elevation (f)	MAF*	% Capacity	Δ year
Lake Mead	1,087.5	10.6	41%	 3.3 ft
Lake Powell	3,594.6	11.2	46%	 0.8 ft
Combined storage		29.5	49%	 0.2 maf

\*MAF=Million Acre-Feet

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

# January 2017 CRSS Results

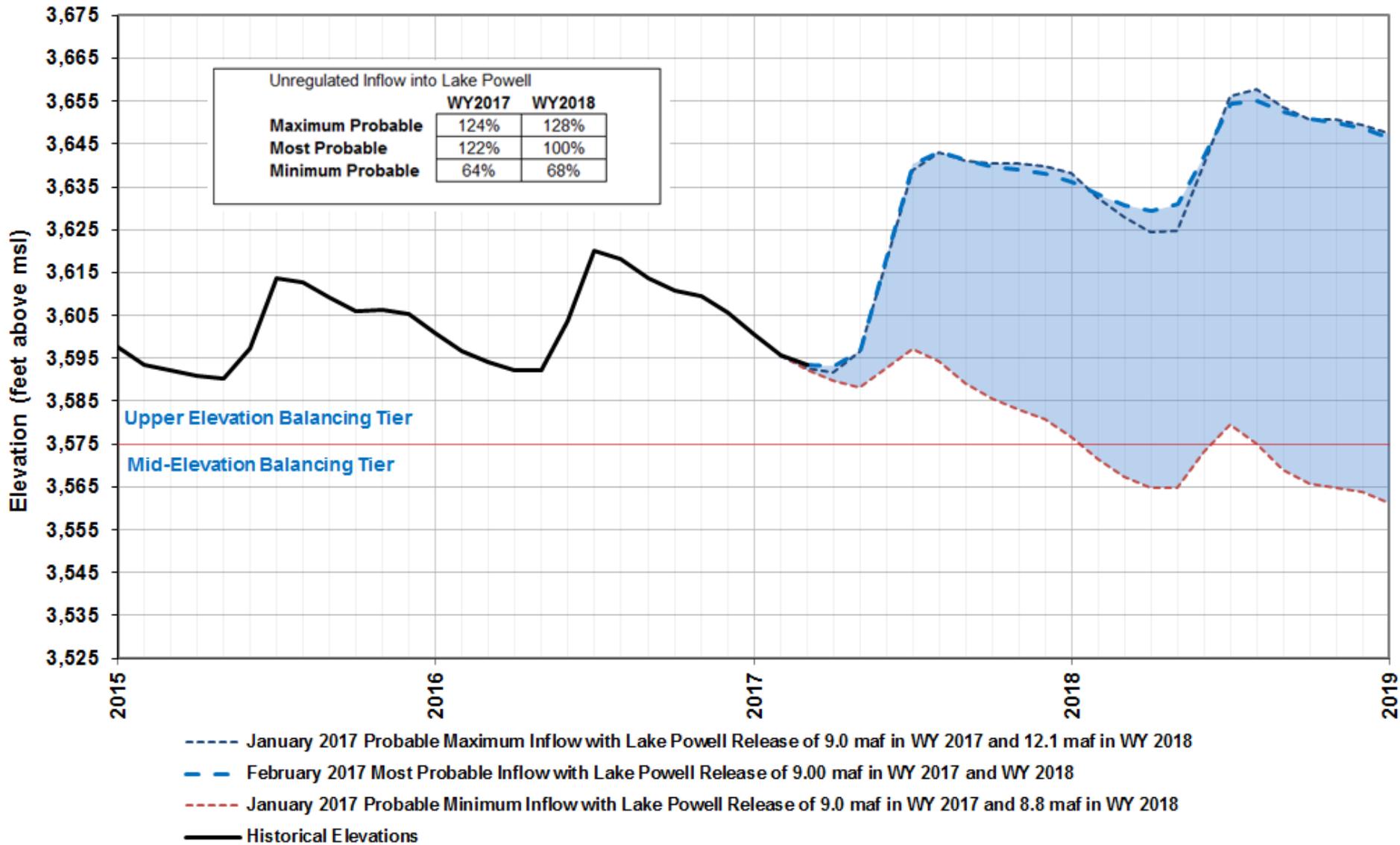
Results from January 2017 CRSS Run  
(Values in percent of traces)

<b>Probability of Occurrence</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Shortage 1st Level (Mead $\leq 1,075$ and $\geq 1,050$ )	0	34	30	27	25
Shortage 2nd Level (Mead $< 1,050$ and $\geq 1,025$ )	0	0	<1	1	7
Shortage 3rd Level (Mead $< 1,025$ )	0	0	0	<1	1
Equalization Tier	34	38	37	34	33



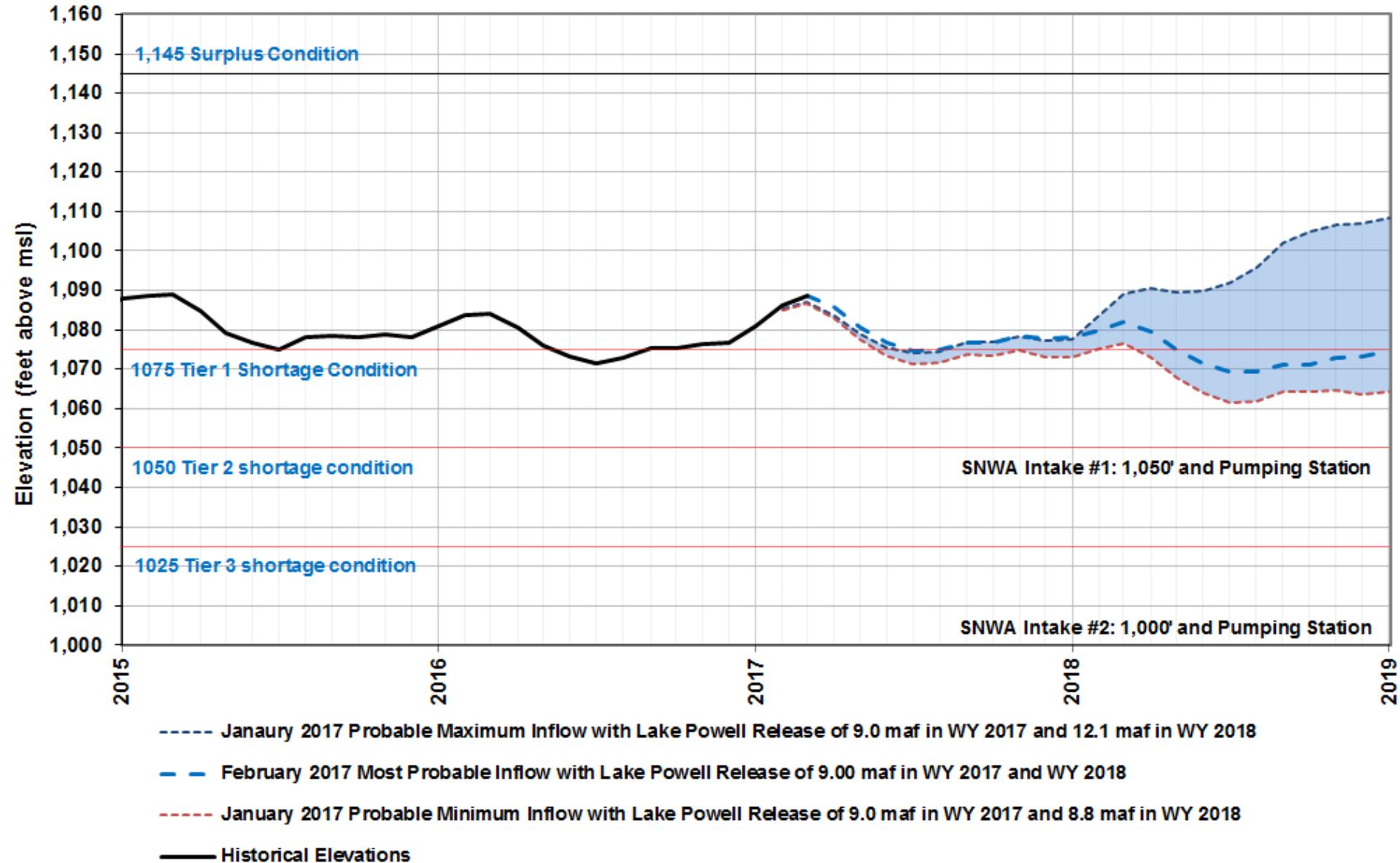
# Lake Powell Projections

## Reclamation's February 2017 24-Month Study



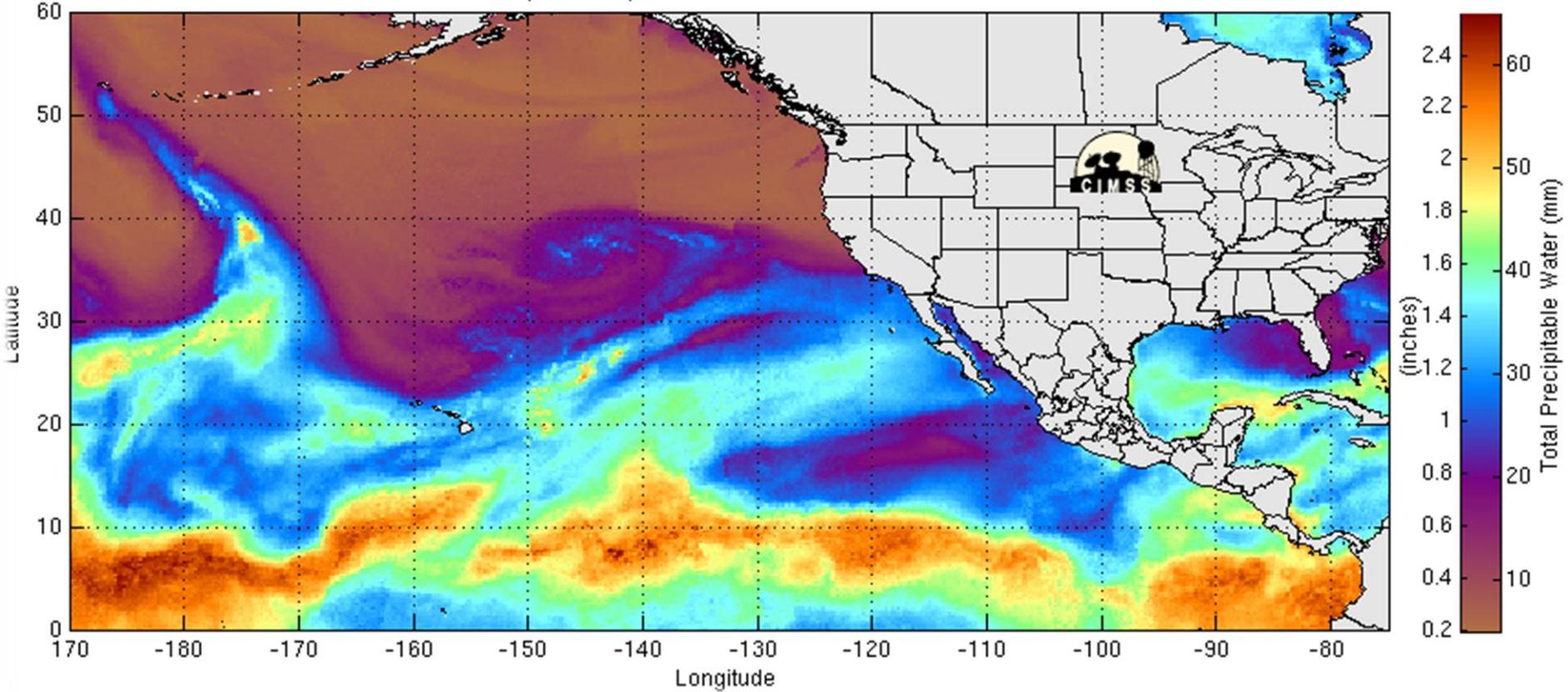
# Lake Mead Projections

Reclamation's February 2017 24-Month Study



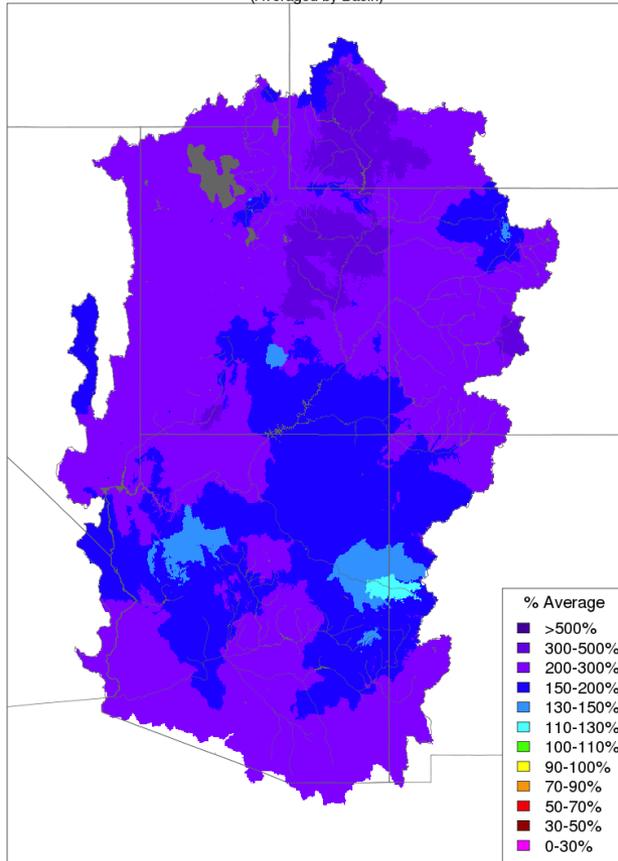
# Atmospheric River, January 5-8

Morphed composite: 2017-01-05 22:00:00 UTC



# Precipitation

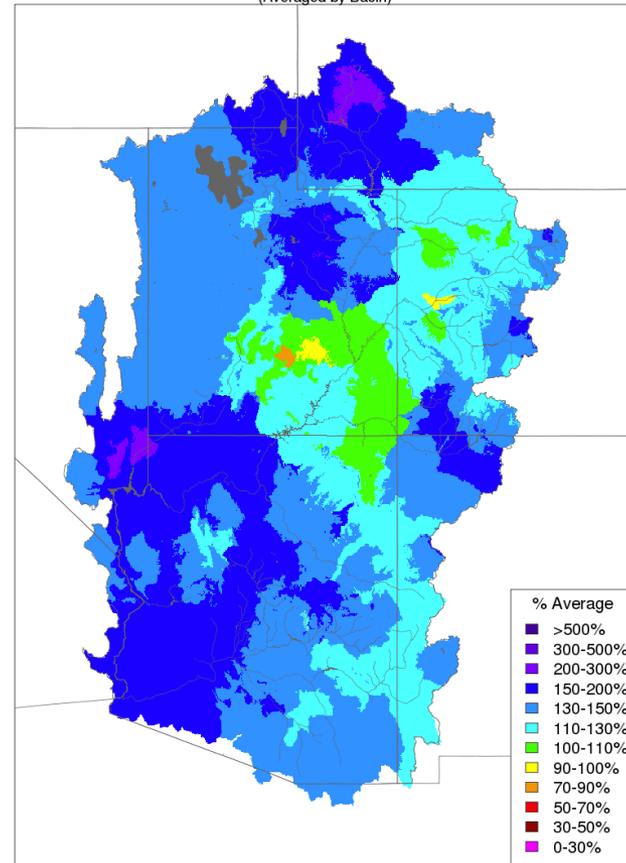
Monthly Precipitation - January 2017  
(Averaged by Basin)



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

Above Lake Powell  
January precipitation: 237%

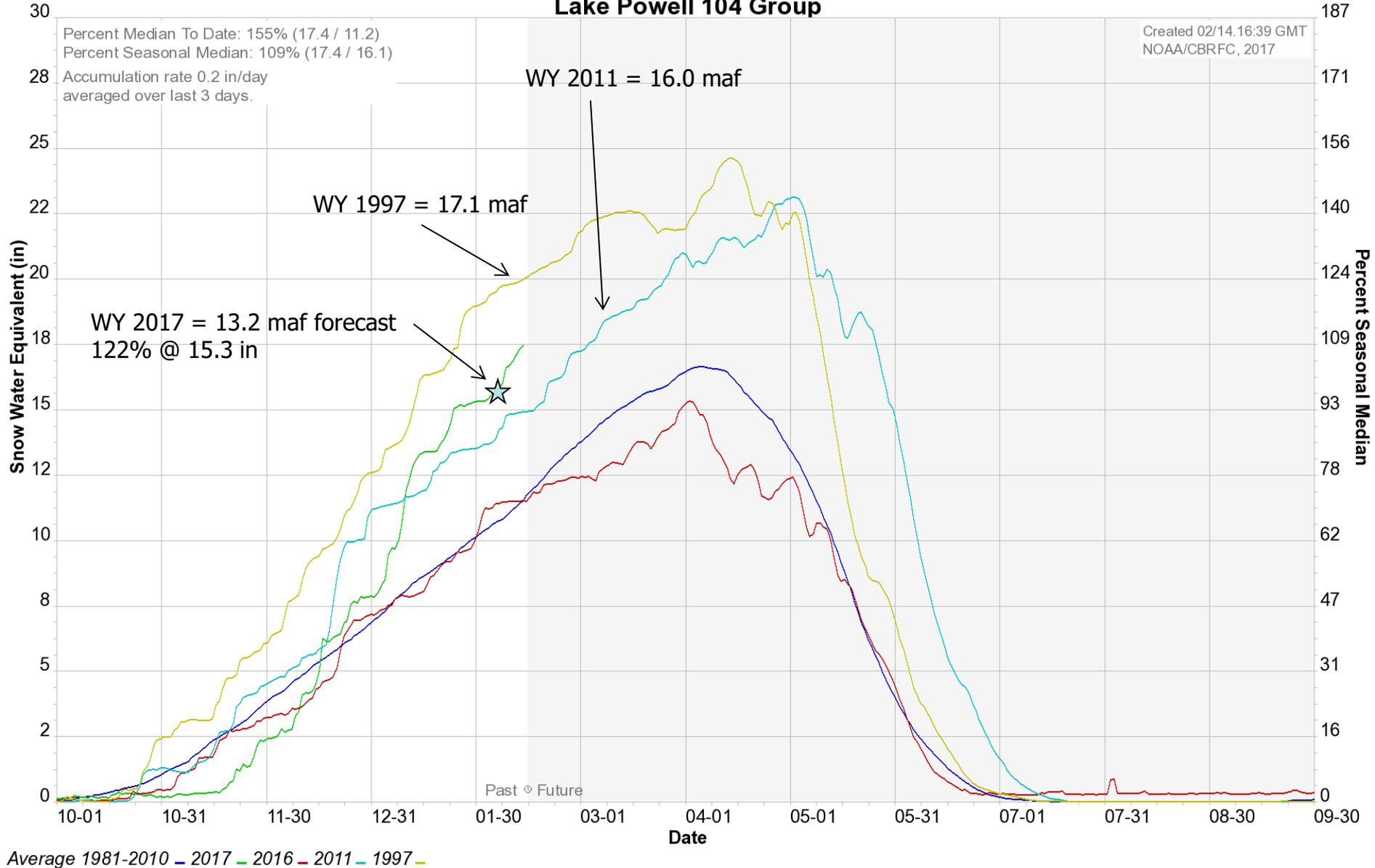
Water Year Precipitation, October 2016 - January 2017  
(Averaged by Basin)



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

WY 2017 Precipitation:  
135% (16.5")

# Colorado Basin River Forecast Center Lake Powell 104 Group



# Water Use in Southern Nevada

January – December 2016

2016: Consumptive Use = 238,226\* af

2015: Consumptive Use = 222,729 af

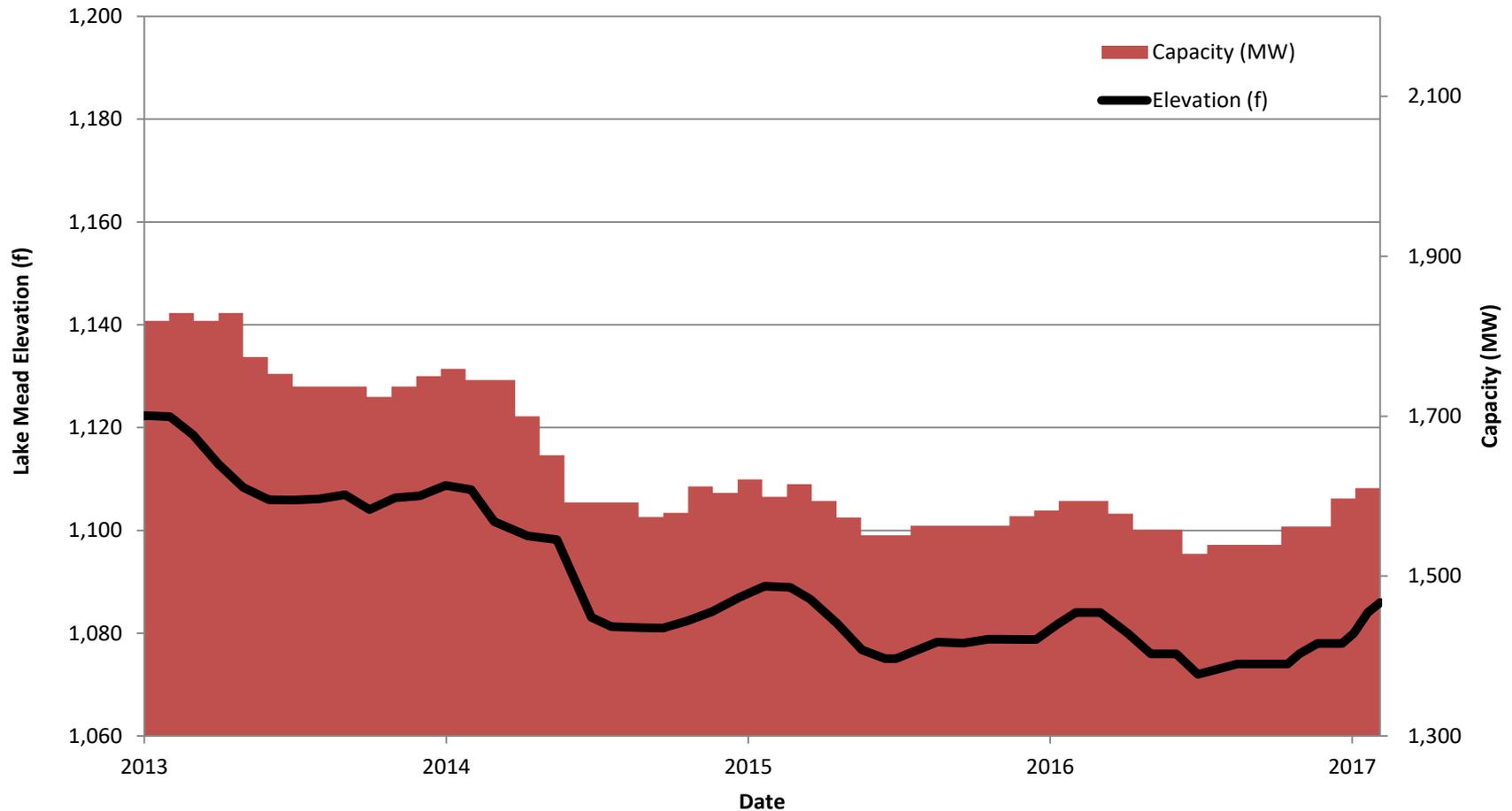
**Difference = 15,497 af**

\*Subject to final accounting.



# Hydropower Capacity

## Lake Mead Elevation and Hoover Powerplant Generation Capacity



- On February 7, 2017 capacity was increased to 1,610 MW.

# Colorado River Commission of Nevada

## Questions?

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