

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

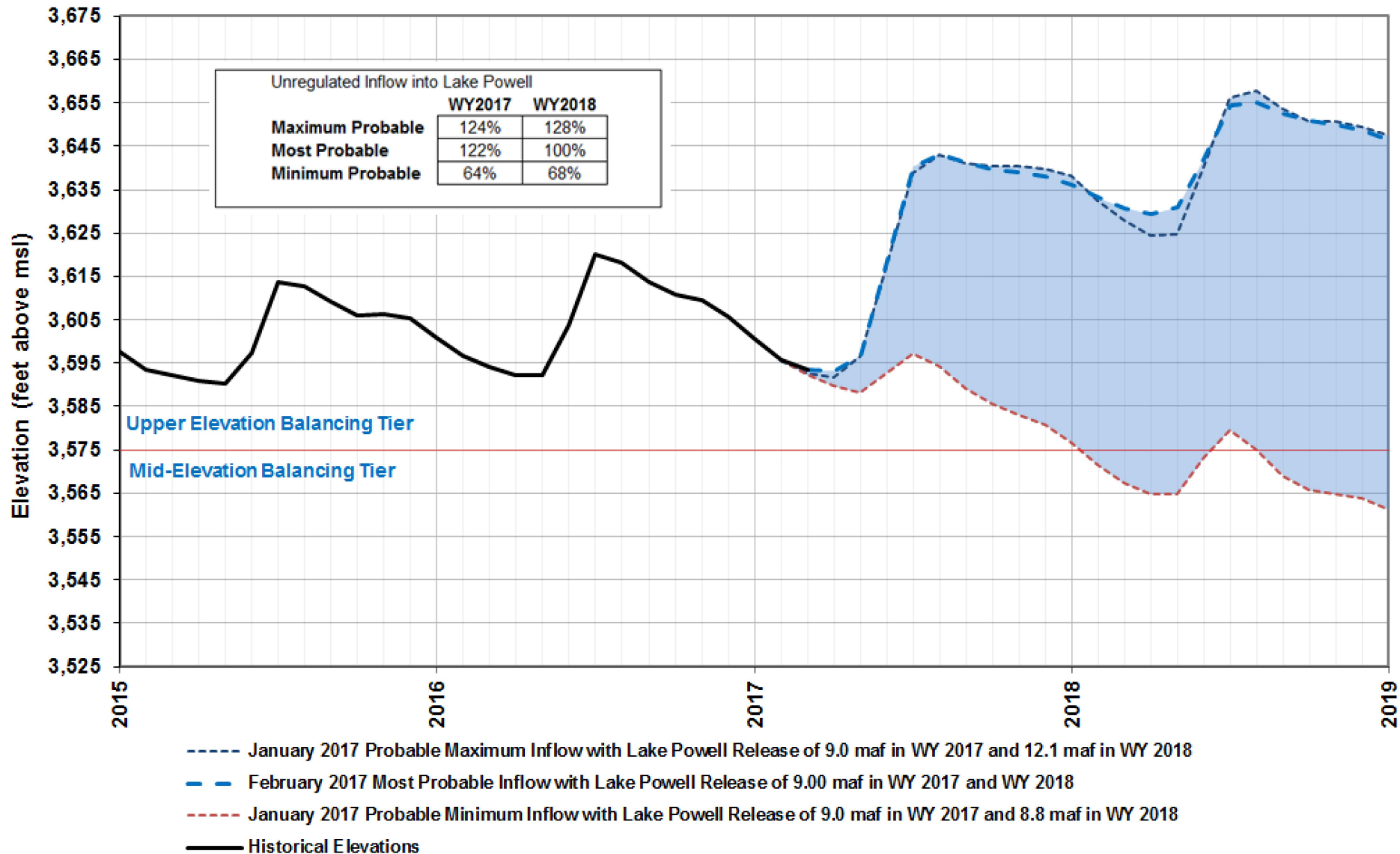
Results from January 2017 CRSS Run
(Values in percent of traces)

Probability of Occurrence	2017	2018	2019	2020	2021
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



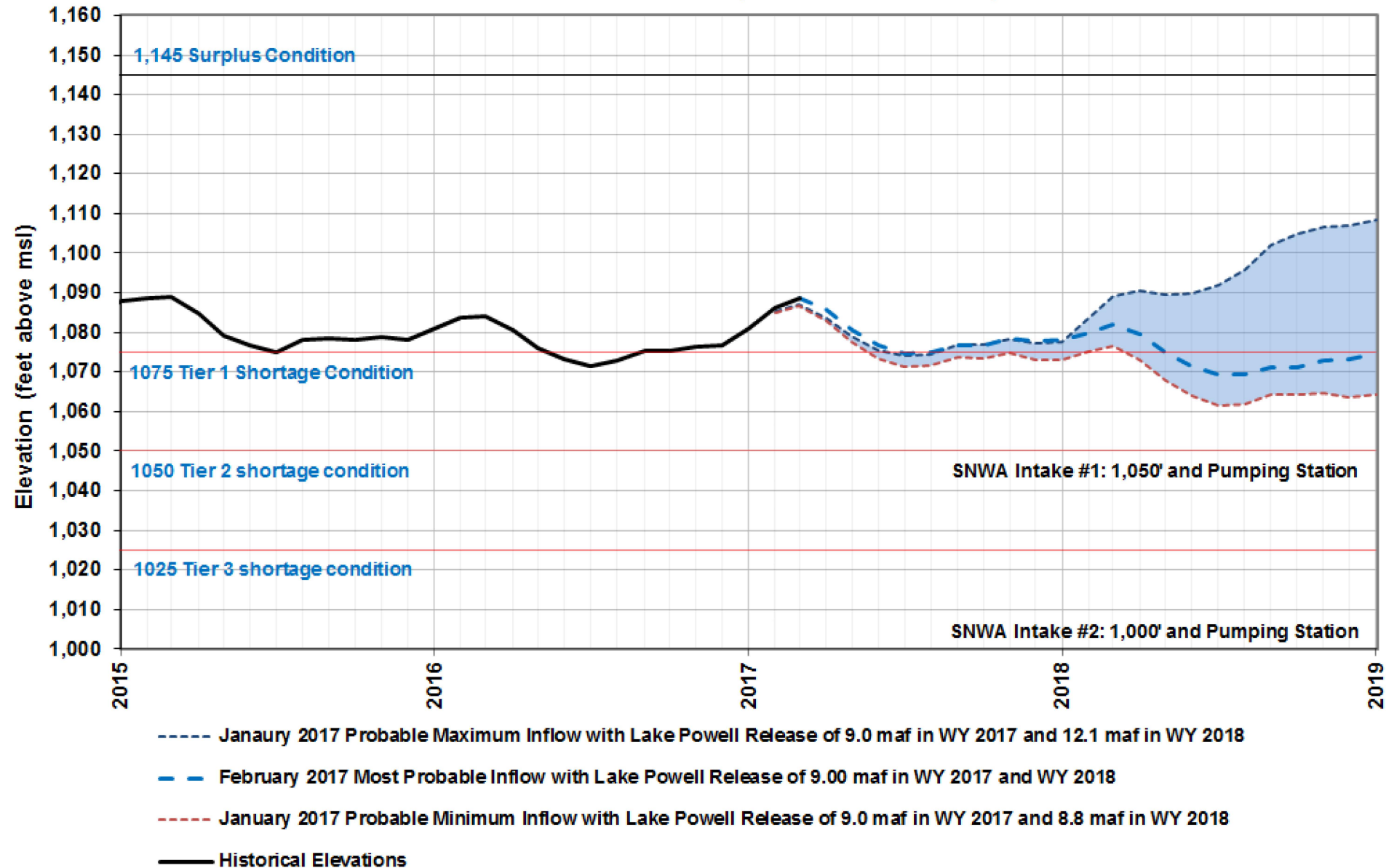
Lake Powell Projections

Reclamation's February 2017 24-Month Study



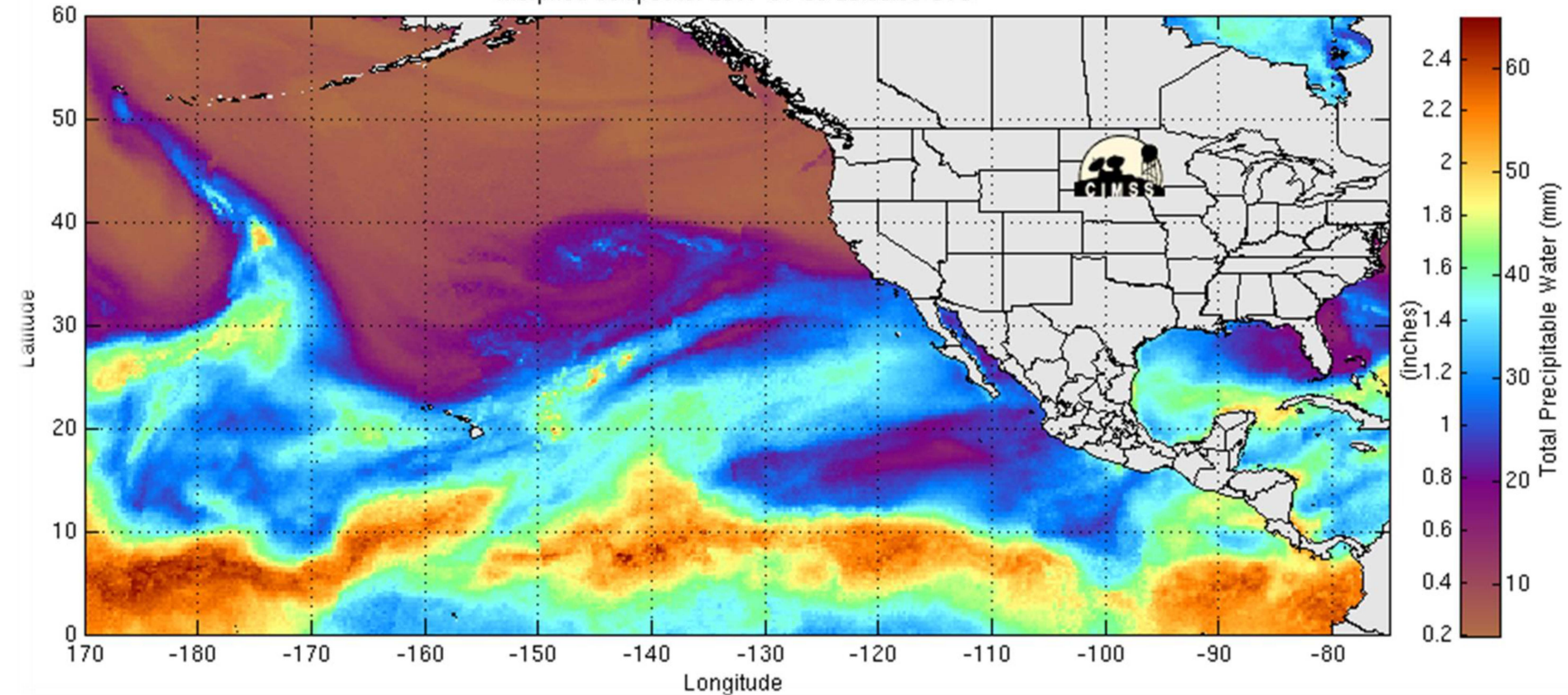
Lake Mead Projections

Reclamation's February 2017 24-Month Study



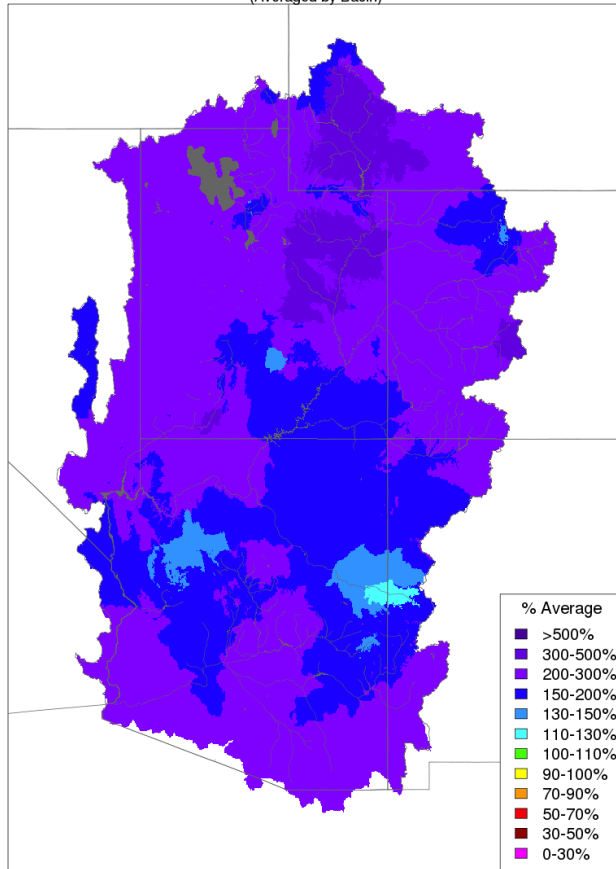
Atmospheric River, January 5-8

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



Precipitation

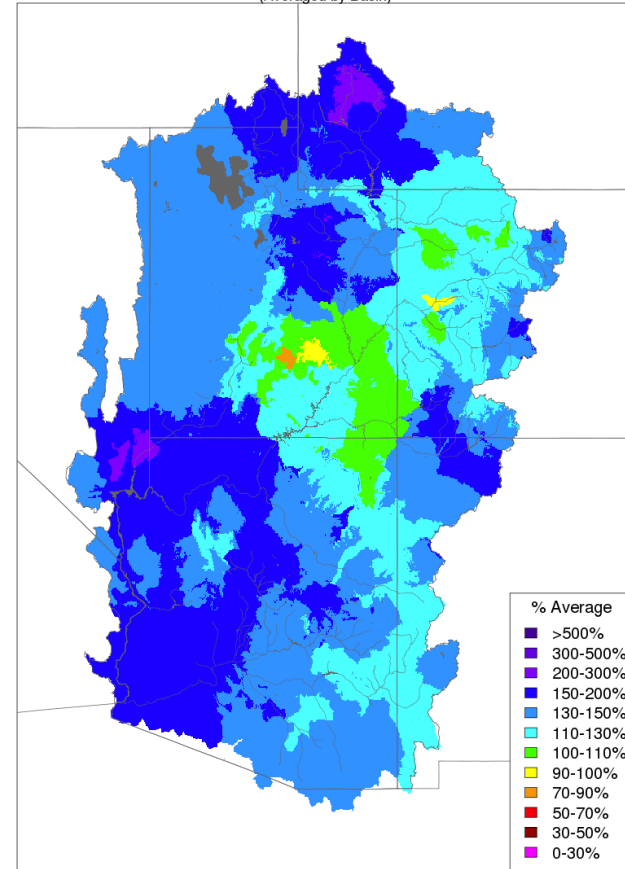
Monthly Precipitation - January 2017
(Averaged by Basin)



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

Above Lake Powell
January precipitation: 237%

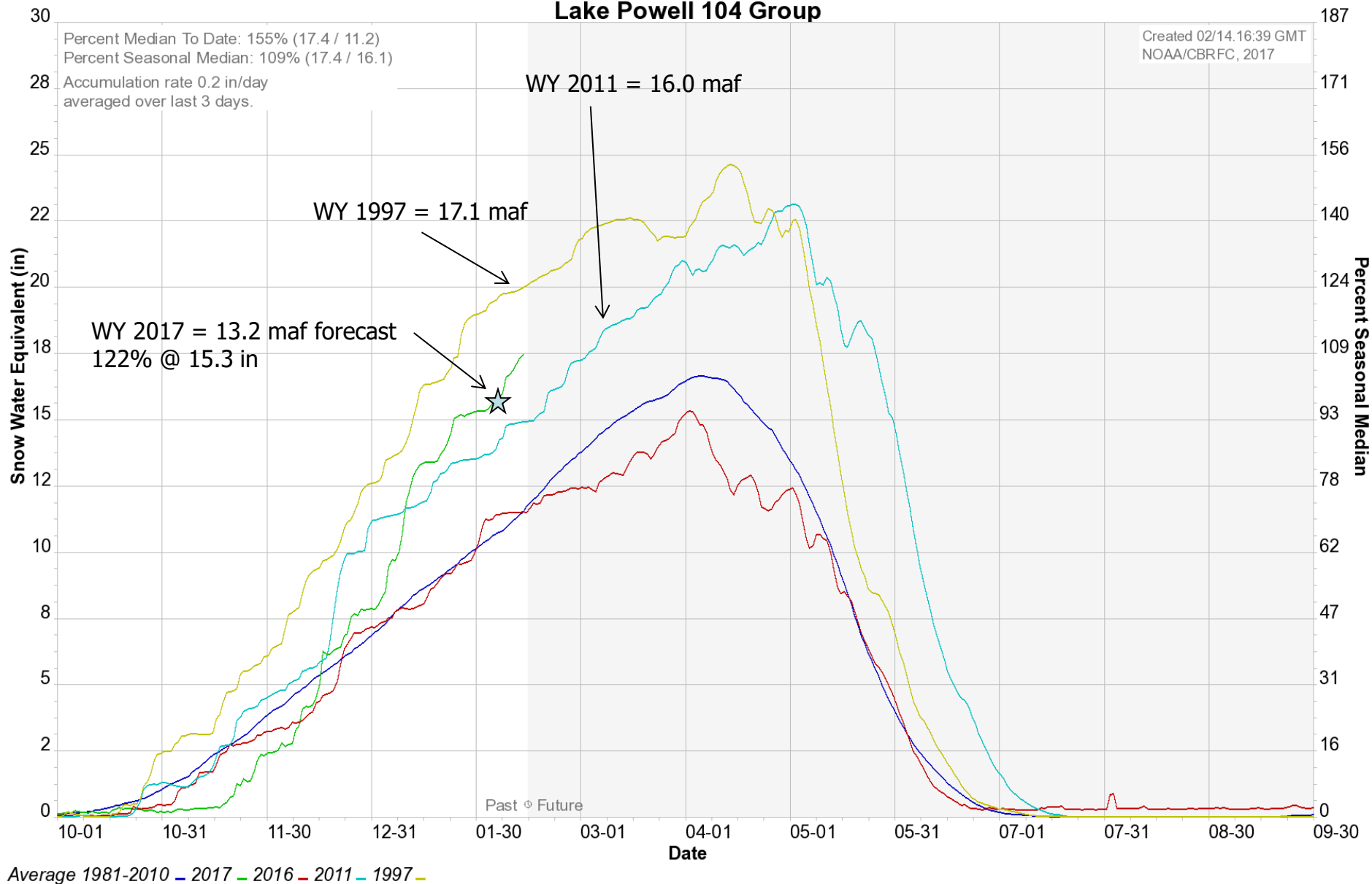
Water Year Precipitation, October 2016 - January 2017
(Averaged by Basin)



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

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

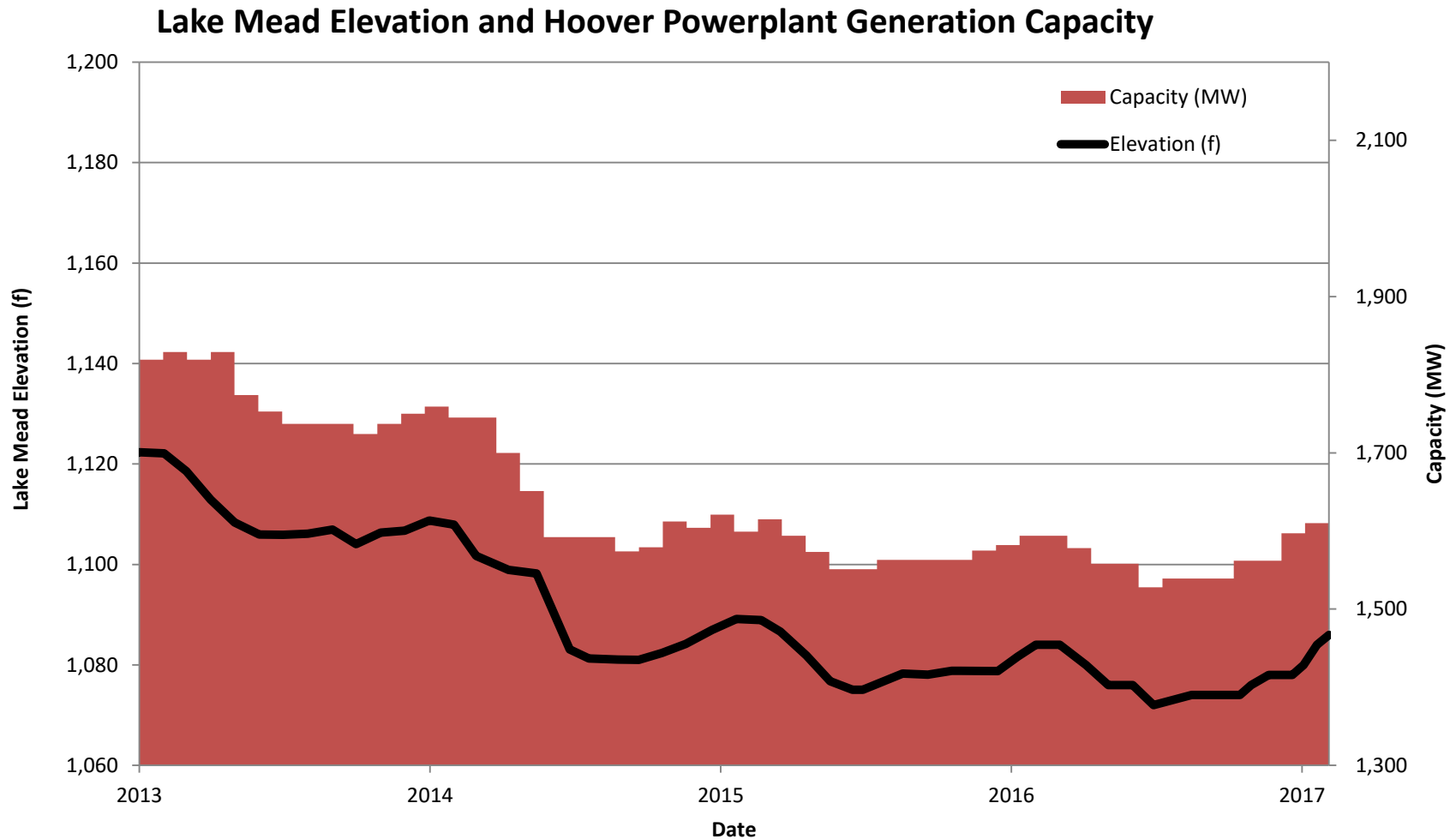
2015: Consumptive Use = 222,729 af

Difference = 15,497 af

*Subject to final accounting.



Hydropower Capacity



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

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Questions?

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