Colorado River Commission of Nevada

Natural Resources Group
Hydrologic Update
February 15, 2018

Unregulated Inflow & Storage

As of February 12, 2018

Projected unregulated inflow to Lake Powell	MAF*	% Avg**
WY 2018	6.1	56%
April-July 2018	3.4	47%

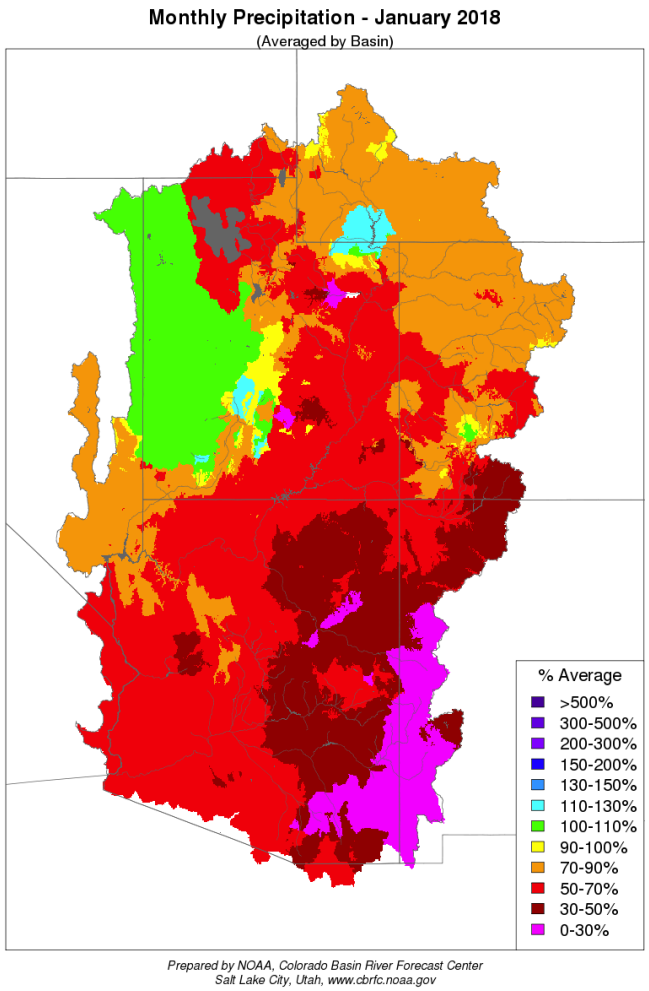
Storage	Elevation (f)	MAF*	% Capacity	Δ year
Lake Mead	1,087.8	10.7	41%	↑ 0.3 ft
Lake Powell	3,618.0	13.6	56%	↑ 23.4 ft
Total storage***		31.8	53%	↑ 2.3 maf

*MAF=Million Acre-Feet

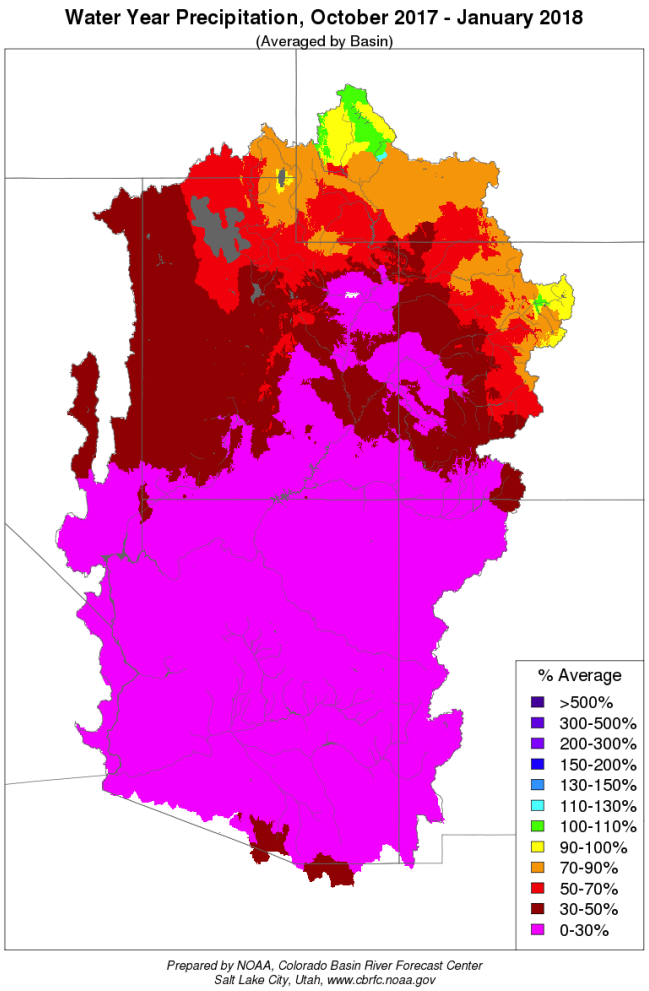
**30-year average, from 1981-2010 (current normal)

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

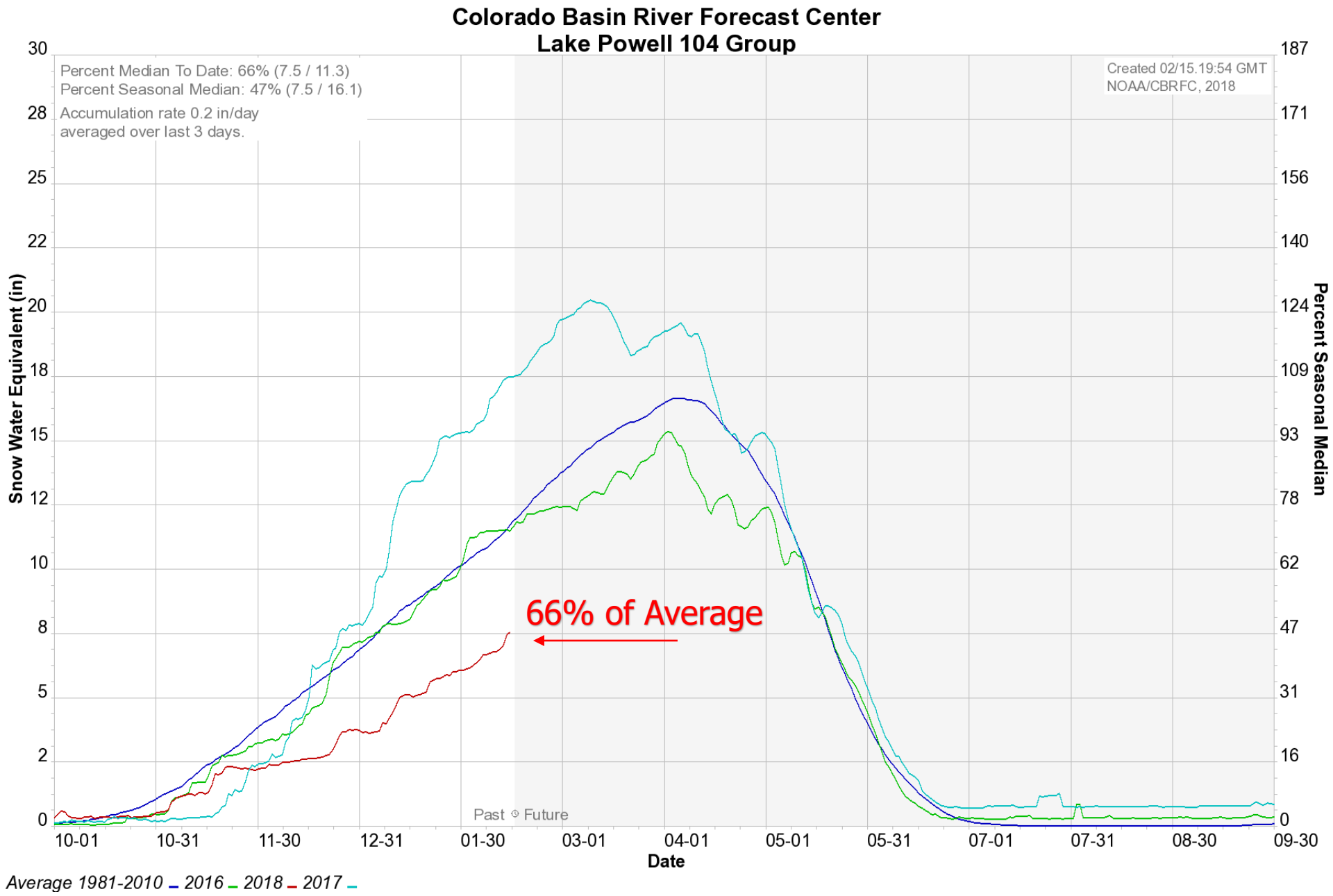
Precipitation



January precipitation above Lake Powell: 76%

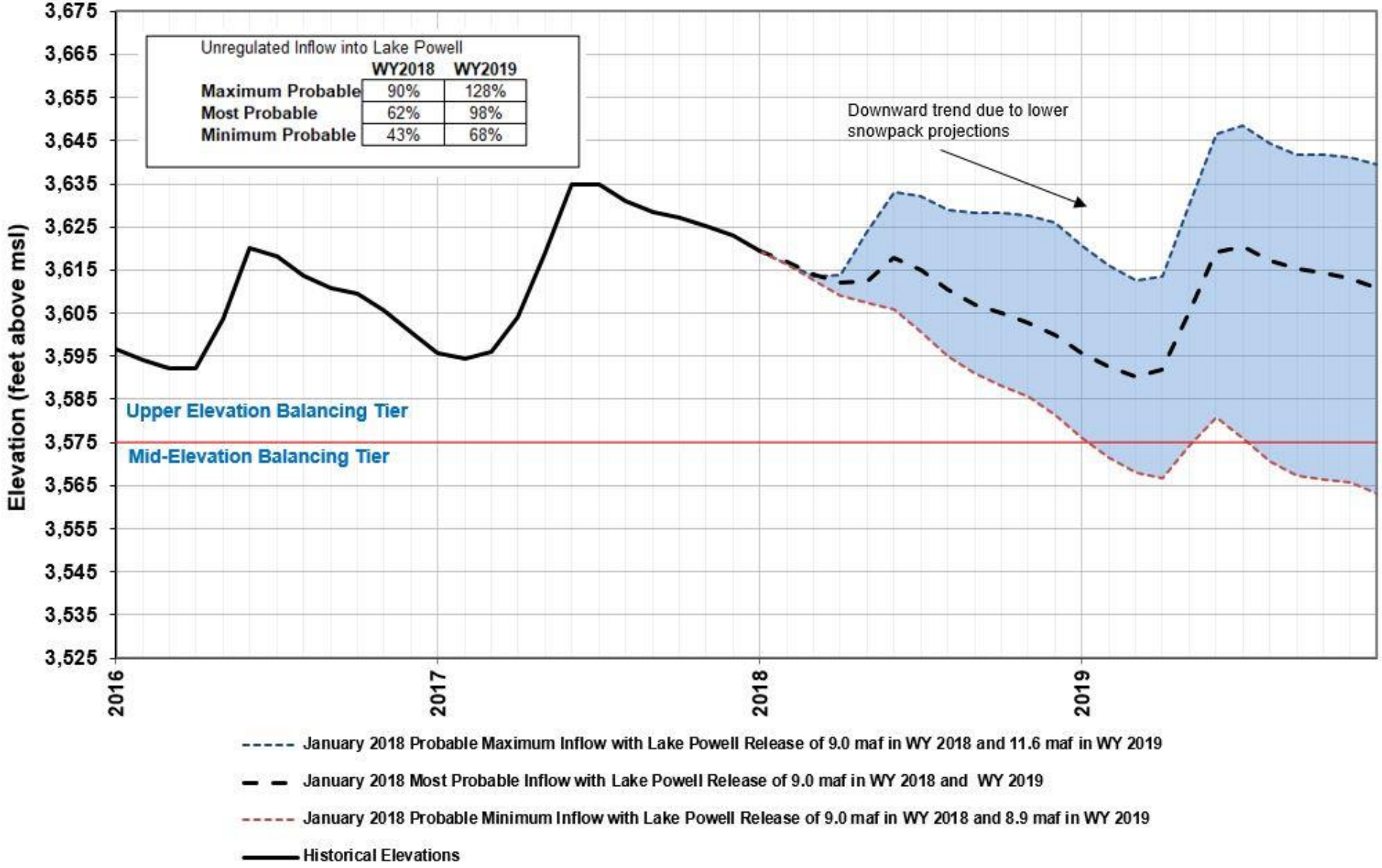


Cumulative water year precipitation above Lake Powell: 60%


Colorado Basin River Forecast Center
Lake Powell 104 Group
Percent Median To Date: 66% (7.5 / 11.3)
Percent Seasonal Median: 47% (7.5 / 16.1)
Accumulation rate 0.2 in/day
averaged over last 3 days.
Created 02/15.19:54 GMT
NOAA/CBRFC, 2018
66% of Average
Past
Future
Snow Water Equivalent (in)
Percent Seasonal Median
Date
30
28
25
22
20
18
15
12
10
8
5
2
0
187
171
156
140
124
109
93
78
62
47
31
16
0
10-01
10-31
11-30
12-31
01-30
03-01
04-01
05-01
05-31
07-01
07-31
08-30
09-30
Average 1981-2010
2016
2018
2017

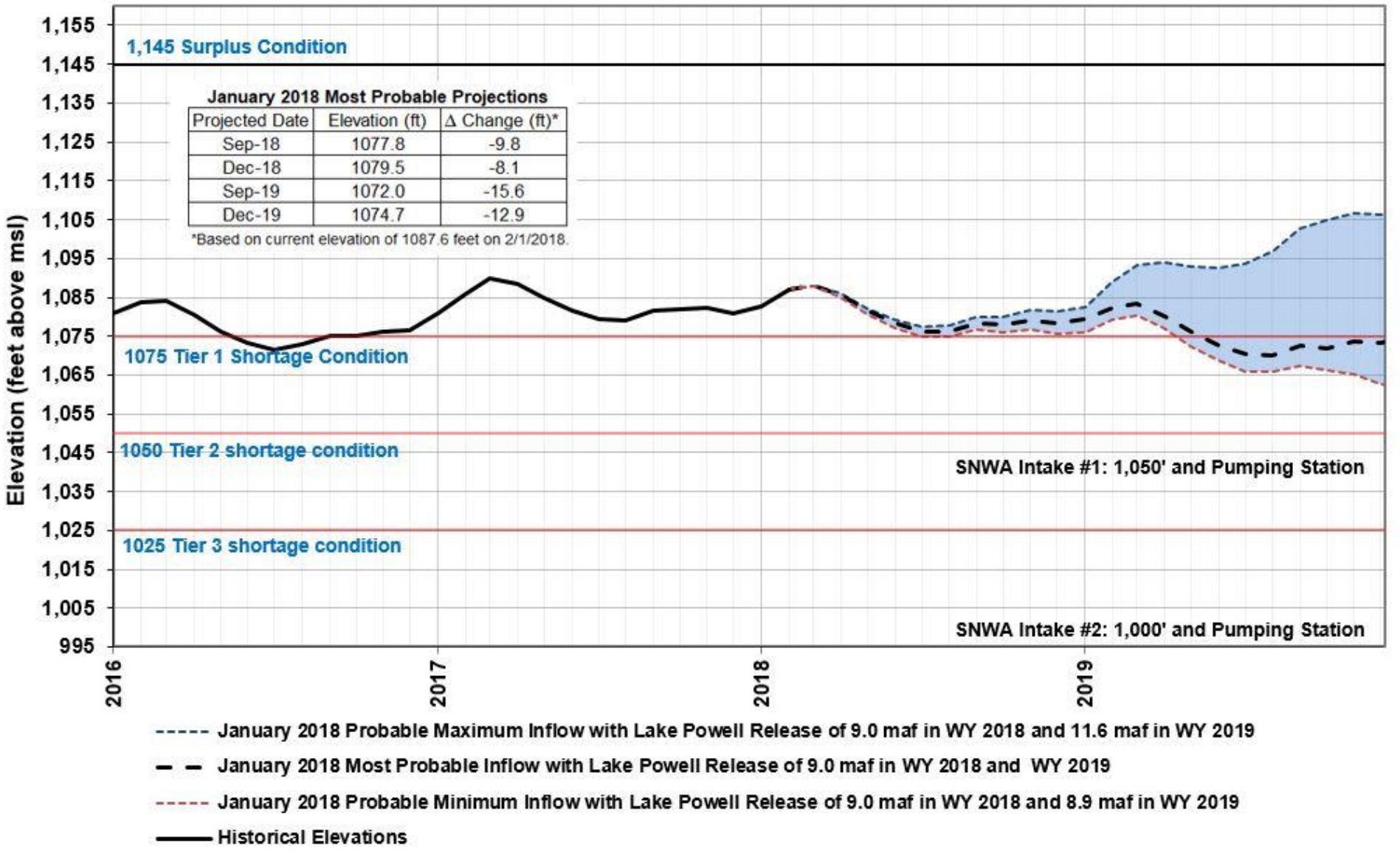
Lake Powell Projections

Reclamation's January 2018 24-Month Study



Lake Mead Projections

Reclamation's January 2018 24-Month Study



January 2018 Most Probable Projections

Projected Date	Elevation (ft)	Δ Change (ft)*
Sep-18	1077.8	-9.8
Dec-18	1079.5	-8.1
Sep-19	1072.0	-15.6
Dec-19	1074.7	-12.9

*Based on current elevation of 1087.6 feet on 2/1/2018.

Water Use in Southern Nevada

January- December 2017

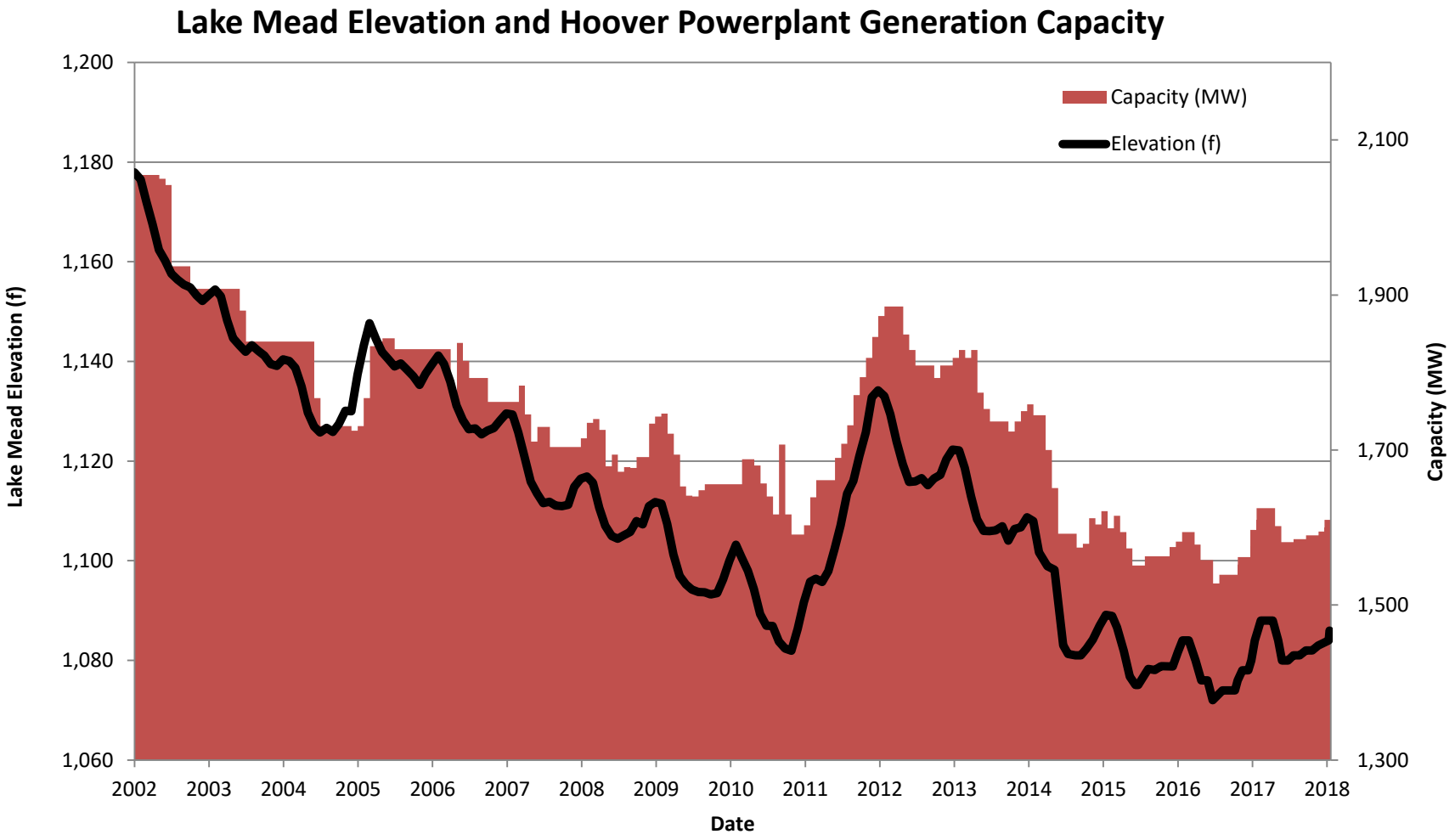
2017: Consumptive Use = 243,336* af

2016: Consumptive Use = 238,326 af

Difference = 5,010 af

*Subject to final accounting.

Hydropower Capacity



- On January 25, 2018 capacity was increased to 1,610 MW.

February Reservoir Conditions (Summary)

Lake Powell

- Upper Basin snowpack accumulation is currently at 66% of average.
- Dry conditions are decreasing the forecasted elevations in both reservoirs.
- Lake Powell is forecasted to decrease 18 feet by December 2018.

Lake Mead

- Elevation is about the same as last year this time.
- Lake Mead is forecasted to decrease 8 feet by December 2018.

Storage	Elevation (f)	% Capacity	△ year
Lake Mead	1,087.8	41%	↑ 0.3 ft
Lake Powell	3,618.0	56%	↑ 23.4 ft

Data retrieved February 12, 2018

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Questions?

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