

# Colorado River Commission of Nevada

## Hydrology and Water Use Update February 12, 2019



# Summary

## Lake Powell

- Water Year 2019 unregulated inflow is forecasted at 71% of average.
- Water Year 2019 Upper Basin cumulative precipitation is 106% of average.

## Lake Mead

- Lake Mead is projected to decrease about 18 feet by end of calendar year.
- A Lower Basin shortage is projected for Water Year 2020.

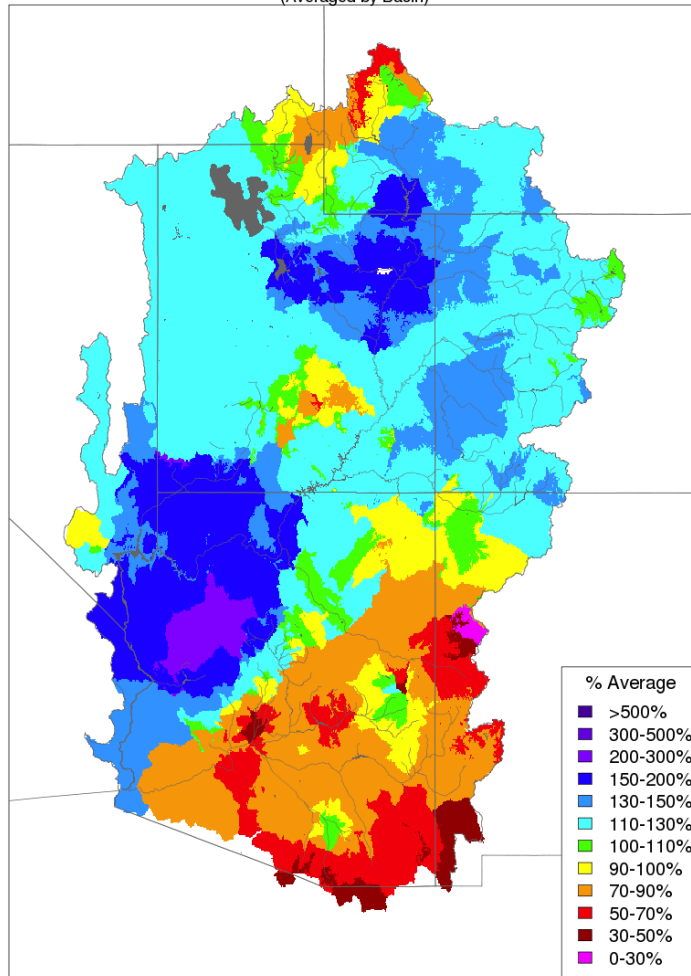
## Nevada Water Supply

- Southern Nevada has 7 years of water supply banked.
- **In 2017, Southern Nevada used 19% less than its annual allocation.**

Storage	Elevation (f)	% Capacity	Change since last year
Lake Mead	1,085.8	40%	-2.0 ft
Lake Powell	3,574.7	39%	- 43.3 ft

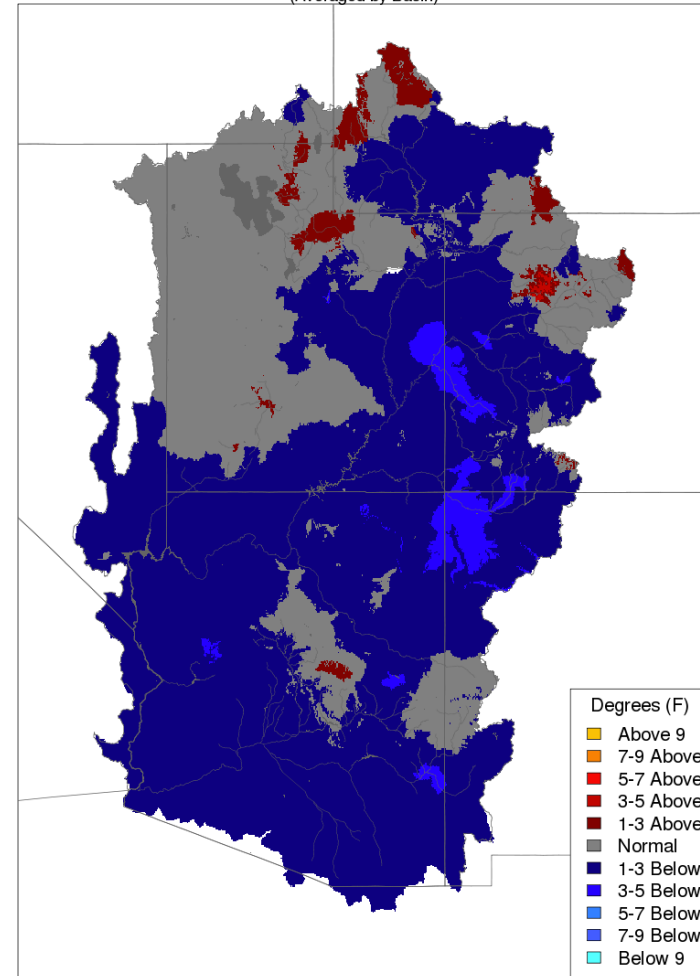
# Precipitation and Temperature

Monthly Precipitation - January 2019  
(Averaged by Basin)



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

Max Temp - Monthly Deviation - January 2019  
(Averaged by Basin)



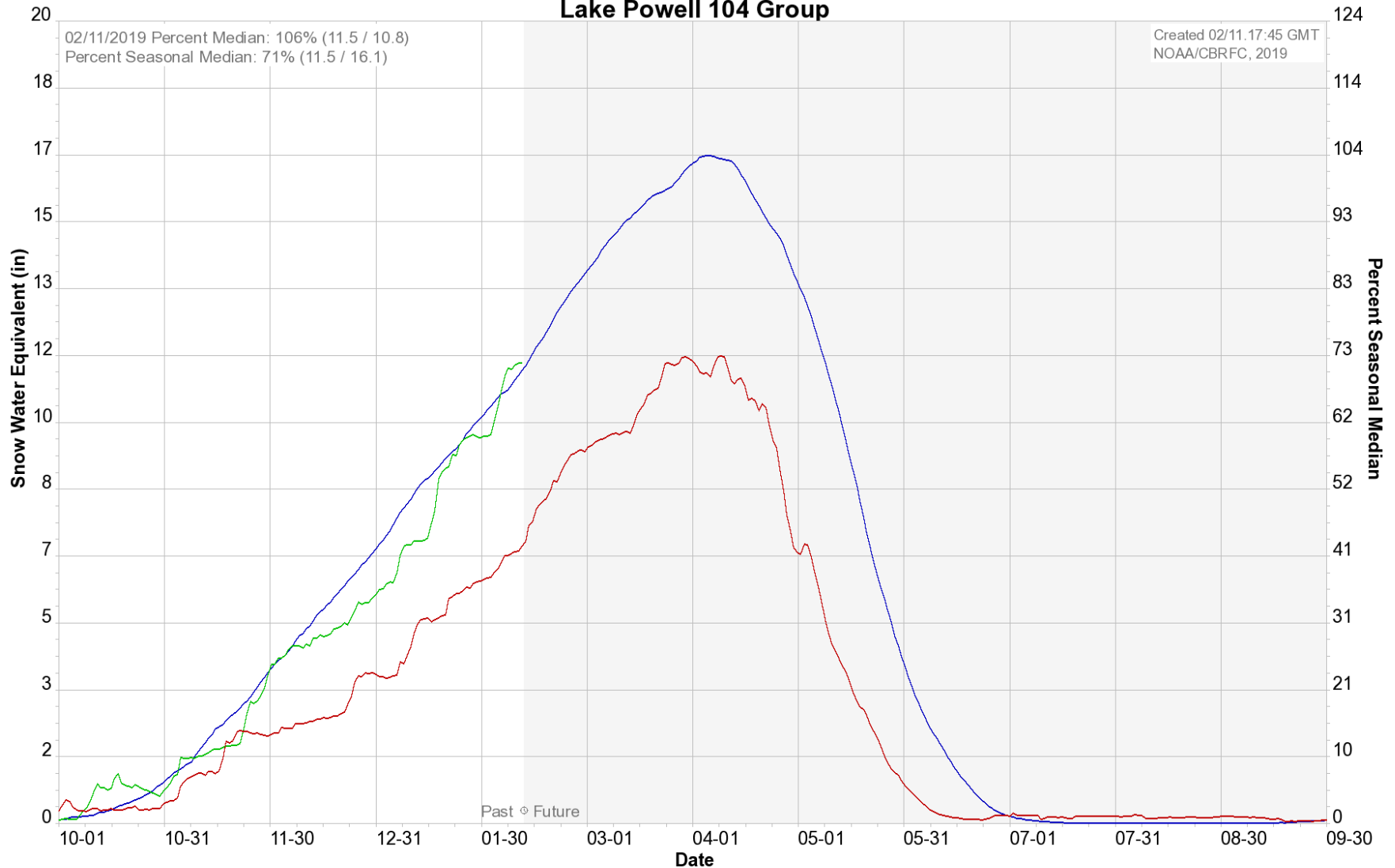
Prepared by NOAA, Colorado Basin River Forecast Center  
Salt Lake City, Utah, [www.cbrfc.noaa.gov](http://www.cbrfc.noaa.gov)

Above Lake Powell January Precipitation: 122%

# Upper Basin Snowpack Accumulation

October 1<sup>st</sup>, 2018 to February 11th, 2019

## Colorado Basin River Forecast Center Lake Powell 104 Group



# Water Use In Southern Nevada

## Southern Nevada Water Use

2017 Actual Use in Acre-Feet

Nevada Annual Allocation	300,000
Diversion	470,271
Return Flows	226,846
Consumptive Use	243,425
Unused Allocation Available for Banking	56,575 (19%)

## Southern Nevada Water Use

Diversions

Return Flows

Consumptive Use

January to December 2018	479,216	235,150	244,065
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## Banked Water (through end of 2017)

Acre-Feet

Ground Water Recharge in So. Nevada	359,045
Banked in Lake Mead	582,313
Banked in California and Arizona	931,226
Total	1,872,584

# Unregulated Inflow, Current and Projected Reservoir Status

Projected unregulated inflow to Lake Powell	Acre-Feet	% Average
Water Year 2019	7,698,000	71%
April thru July 2019	5,300,000	74%

Reservoir	Current Elevation	Current Storage Acre-Feet	Current % Capacity	Projected Elevation on 1/1/2020 <sup>1</sup>
Lake Mead	1,085.8	10,498,000	40%	1,067.7
Lake Powell	3,574.7	9,579,000	39%	3,566.8

Data retrieved February 11th, 2019

<sup>1</sup> Based on Reclamation's January 2019 24 Month Study.