

# Colorado River Commission of Nevada

## Hydrology and Water Use Update May 8, 2018



# 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 thru March 2018	92,201	56,885	35,316
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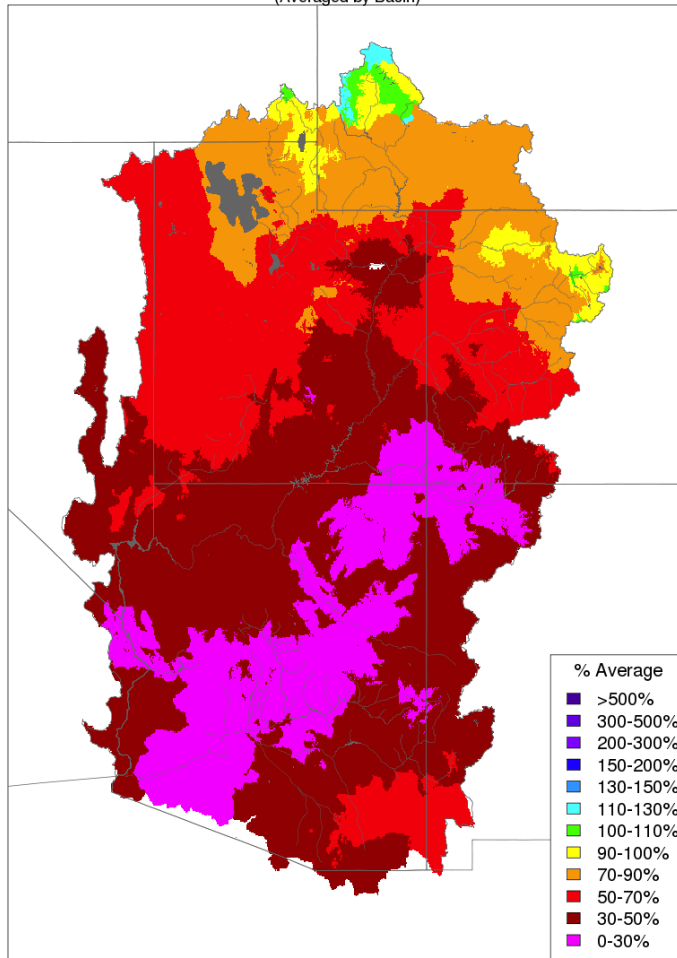
## Banked Water (Provisional through end of 2017)

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

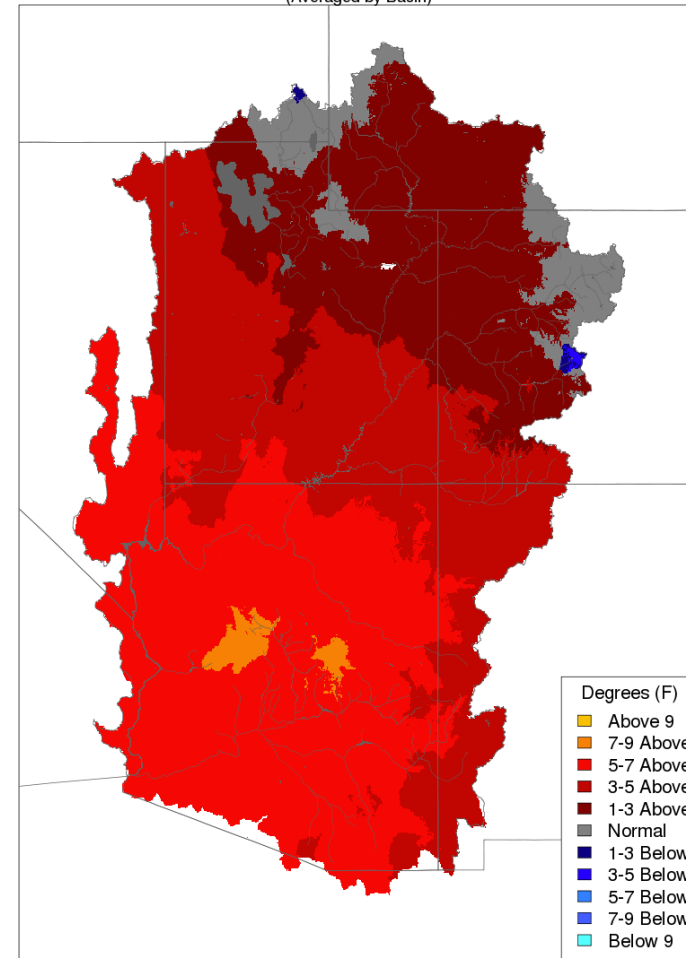
# Precipitation and Temperature

**Water Year Precipitation, October 2017 - April 2018**  
(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 - April 2018**  
(Averaged by Basin)

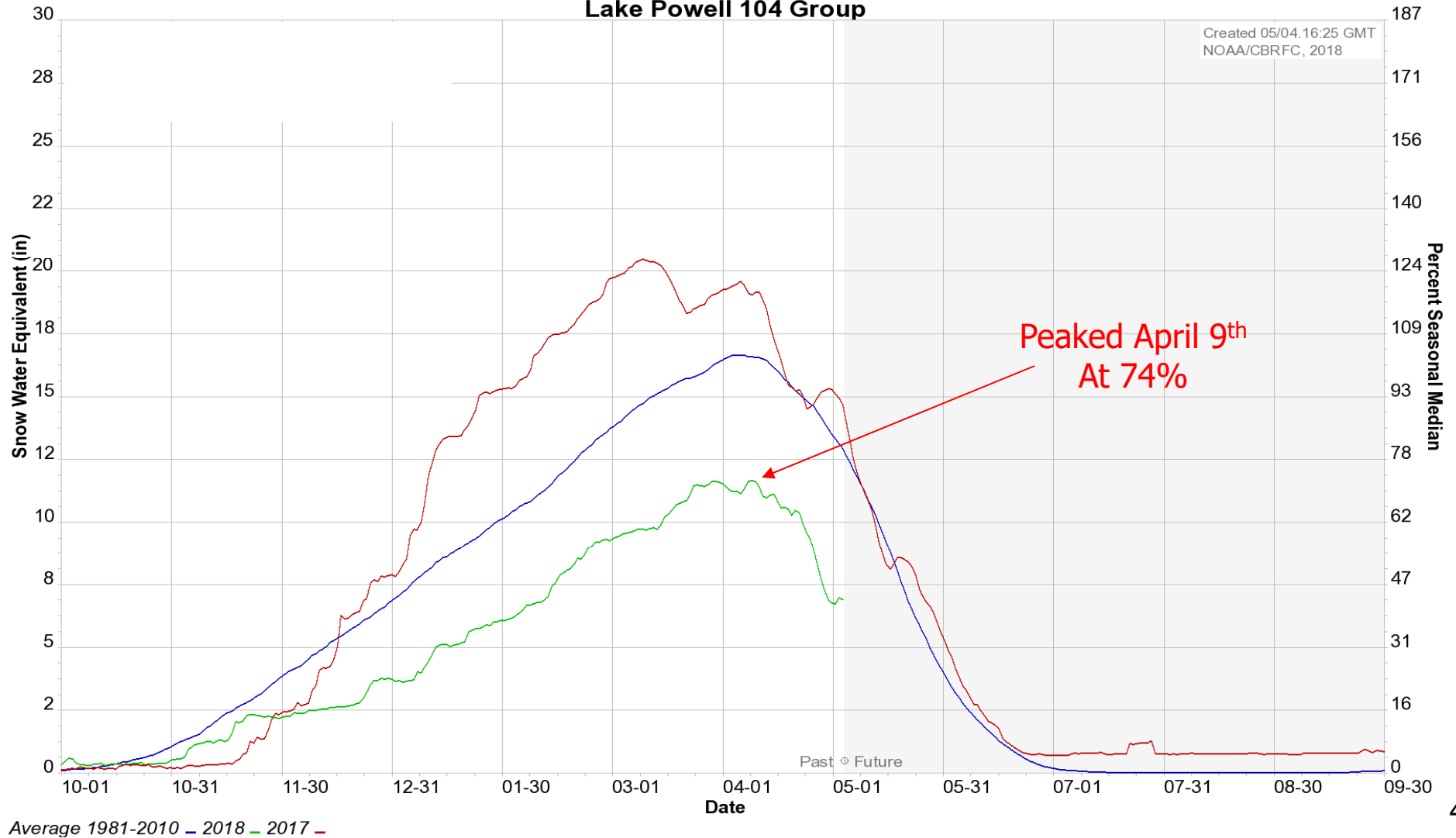


Prepared by NOAA, Colorado Basin River Forecast Center  
Salt Lake City, Utah, [www.cbrfc.noaa.gov](http://www.cbrfc.noaa.gov)

Above Lake Powell April Precipitation: 90%

# Upper Basin Snowpack Accumulation

Colorado Basin River Forecast Center  
Lake Powell 104 Group



# Unregulated Inflow, Current and Projected Reservoir Status

Projected unregulated inflow to Lake Powell      Acre-Feet      % Average

Water Year 2018	5,497,000	51%
April thru July 2018	3,000,000	42%

Reservoir	Current Elevation	Current Storage Acre-Feet	Current % Capacity	Projected Elevation on 1/1/2019 <sup>1</sup>
Lake Mead	1,084.7	10,400,000	40%	1,079.1
Lake Powell	3,609.5	12,682,000	52%	3,590.4

Data retrieved April 30, 2018

<sup>1</sup> Based on Reclamation's April 2018 24 Month Study.

# Summary

## Lake Powell

- Upper Basin cumulative precipitation is at 72% of average.
- Upper Basin snowpack peaked April 9<sup>th</sup> with 74% of average.
- Glen Canyon Dam is forecasted to release above average flows in 2018.

## Lake Mead

- Currently a shortage is not projected in 2019.
- Lake Mead is projected to be down about 5 feet from current elevation by the end of 2018.

## 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 <sup>1</sup>
Lake Mead	1,084.6	40%	- 0.2 ft
Lake Powell	3,609.5	52%	+ 5.4 ft

Data retrieved April 30, 2018

<sup>1</sup> Based on Reclamation's April 2018 24 Month Study.