

Colorado River Commission of Nevada

Hydrology and Water Use Update November 13, 2018



Summary

Lake Powell

- Water Year 2018 unregulated inflow was 43% of average.
- Water Year 2019 unregulated inflow is forecasted at 69% of average.
- Water Year 2019 is off to a good start with 138% of average precipitation in the Upper Basin.

Lake Mead

- A shortage will not be declared for 2019.
- Lake Mead is projected to remain around current elevations through the end of the calendar year.

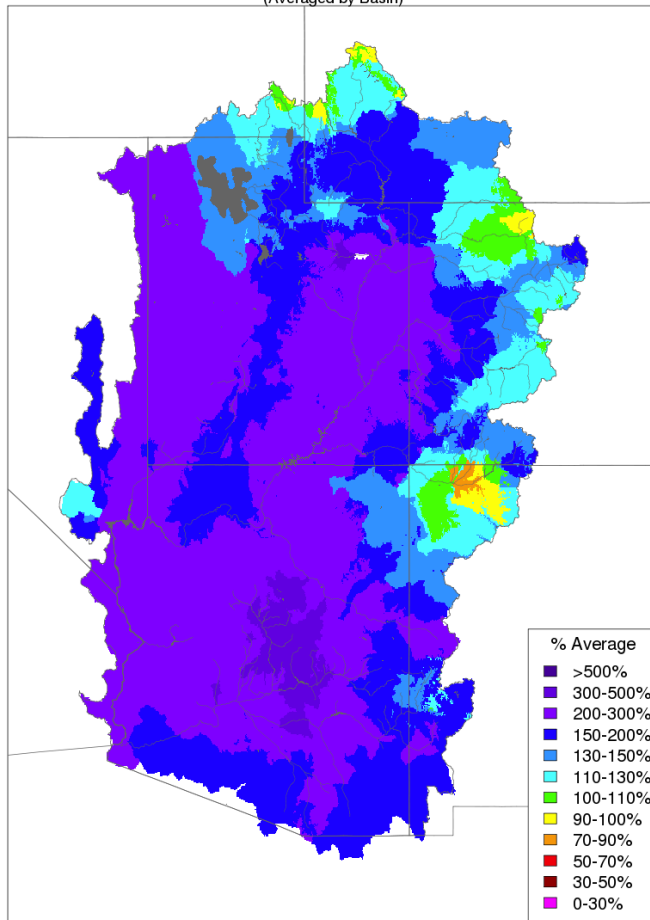
Nevada Water Supply

- 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	1,078.4	38%	- 3.7 ft
Lake Powell	3,590.3	45%	- 37.9 ft

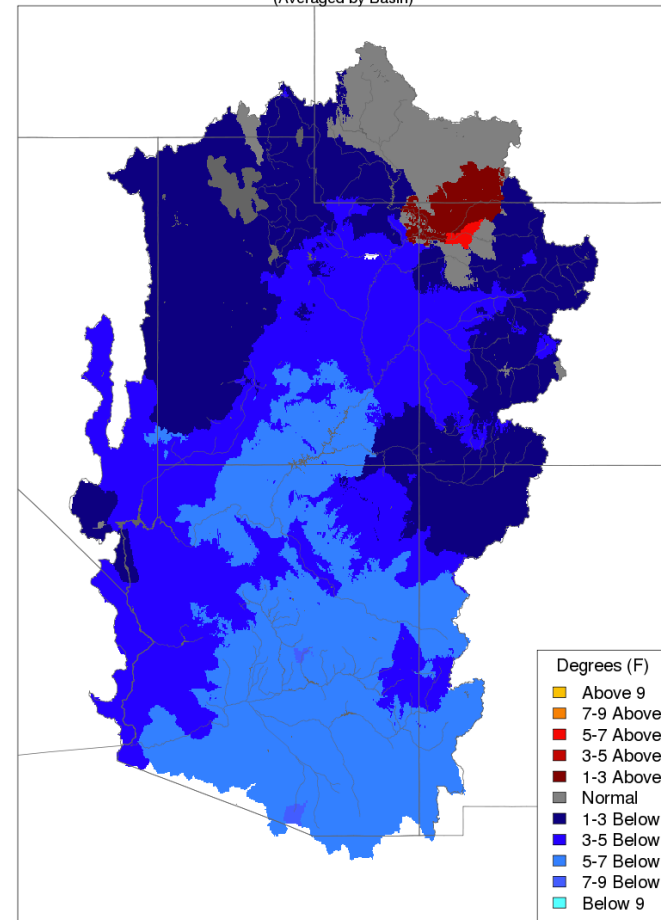
Precipitation and Temperature

Monthly Precipitation - October 2018
(Averaged by Basin)



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

Max Temp - Monthly Deviation - October 2018
(Averaged by Basin)

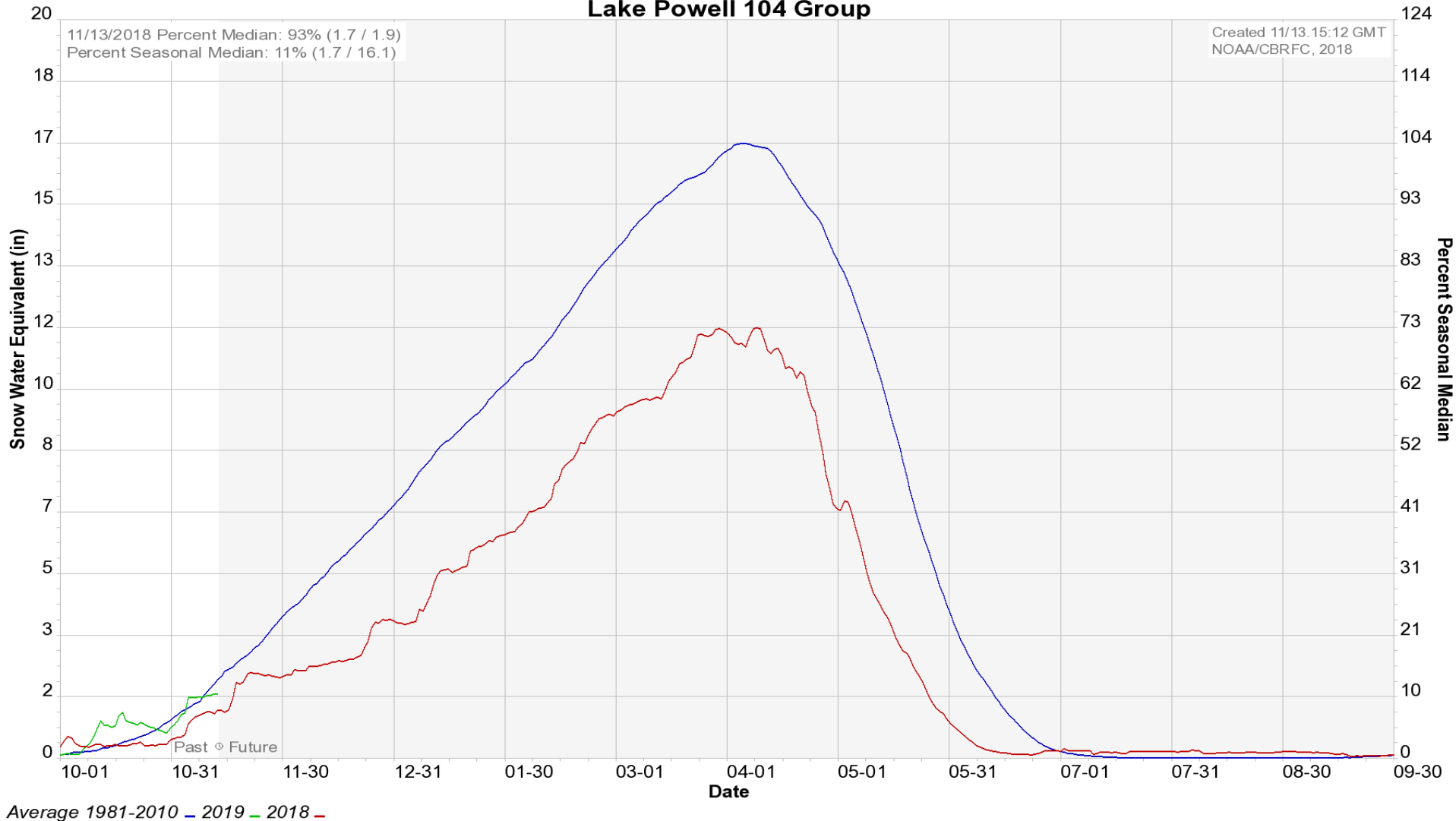


Prepared by NOAA, Colorado Basin River Forecast Center
Salt Lake City, Utah, www.cbrfc.noaa.gov

Above Lake Powell October Precipitation: 138%

Upper Basin Snowpack Accumulation

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 thru September 2018	369,445	175,272	194,174
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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 2018 (observed)	4,612,000	43%
April thru July 2018 (observed)	2,602,000	36%

Reservoir	Current Elevation	Current Storage Acre-Feet	Current % Capacity	Projected Elevation on 1/1/2020 ¹
Lake Mead	1,078.4	9,875,000	38%	1,069.8
Lake Powell	3,590.3	10,845,000	45%	3,569.5

Data retrieved November 5th, 2018

¹ Based on Reclamation's October 2018 24 Month Study.