

Colorado River Commission of Nevada

Hydrology and Water Use Update January 8, 2019



Summary

Lake Powell

- Water Year 2019 unregulated inflow is forecasted at 64% of average.
- Water Year 2019 Upper Basin cumulative precipitation is 100% of average.

Lake Mead

- Lake Mead is projected to decrease about 13 feet by end of year.
- A Lower Basin shortage is projected for Water Year 2020.

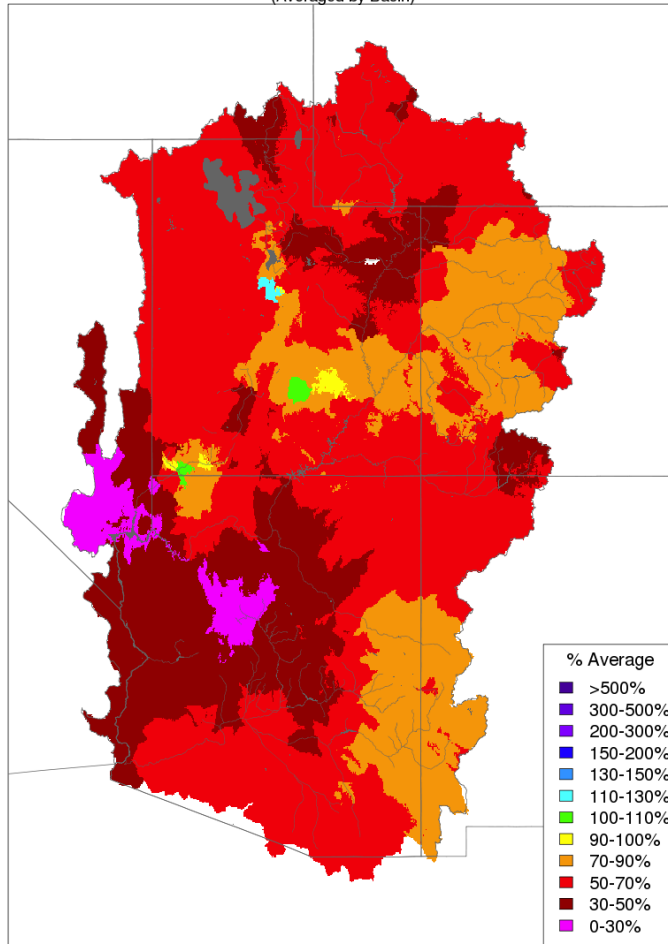
Nevada Water Supply

- 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	1,081.3	39%	-1.2 ft
Lake Powell	3,582.0	42%	- 40.9 ft

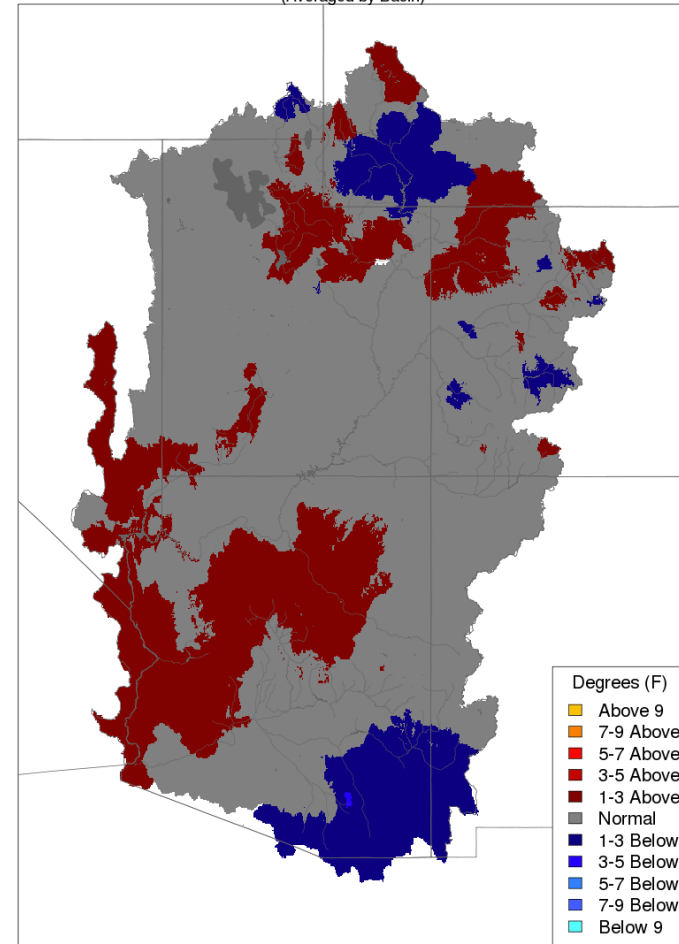
Precipitation and Temperature

Monthly Precipitation - December 2018
(Averaged by Basin)



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

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



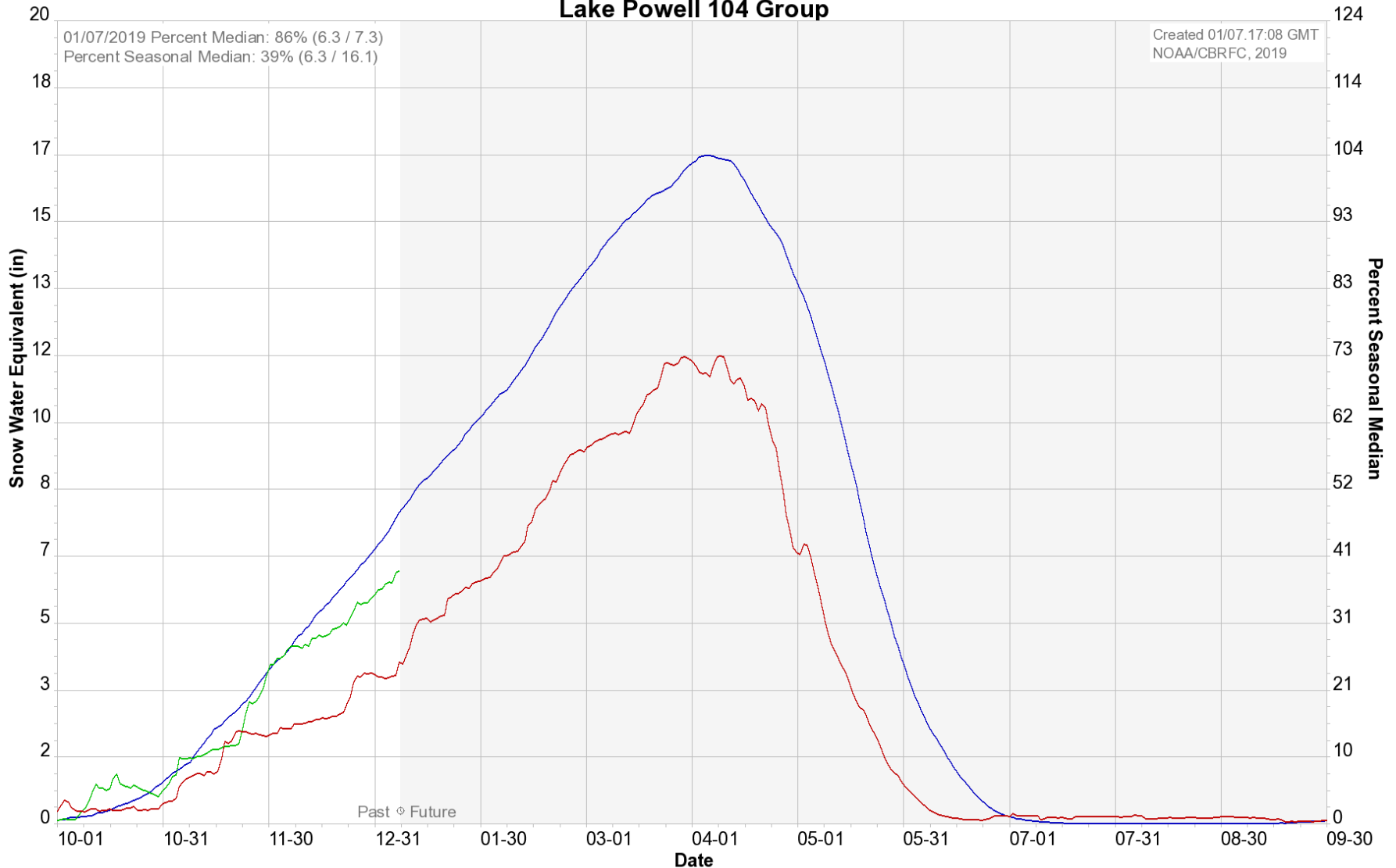
Prepared by NOAA, Colorado Basin River Forecast Center
Salt Lake City, Utah, www.cbrfc.noaa.gov

Above Lake Powell December Precipitation: 66%

Upper Basin Snowpack Accumulation

October 1st, 2018 to January 7th, 2019

Colorado Basin River Forecast Center
Lake Powell 104 Group



Average 1981-2010 — 2019 — 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 November 2018	448,158	215,018	233,140
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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	6,983,000	64%
April thru July 2019	4,550,000	64%

Reservoir	Current Elevation	Current Storage Acre-Feet	Current % Capacity	Projected Elevation on 1/1/2020 ¹
Lake Mead	1,081.3	10,122,000	39%	1,068.1
Lake Powell	3,582.0	10,110,000	42%	3,567.6

Data retrieved December 31st, 2018

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