

Colorado River Commission of Nevada

Hydrology and Water Use Update March 12, 2019



Summary

Lake Powell

- Water Year 2019 Upper Basin snowpack is 132% of average.
- Water Year 2019 Upper Basin cumulative precipitation is 123% of average.
- Water Year 2019 unregulated inflow is forecasted at 92% 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, but recent snowpack could change projection.

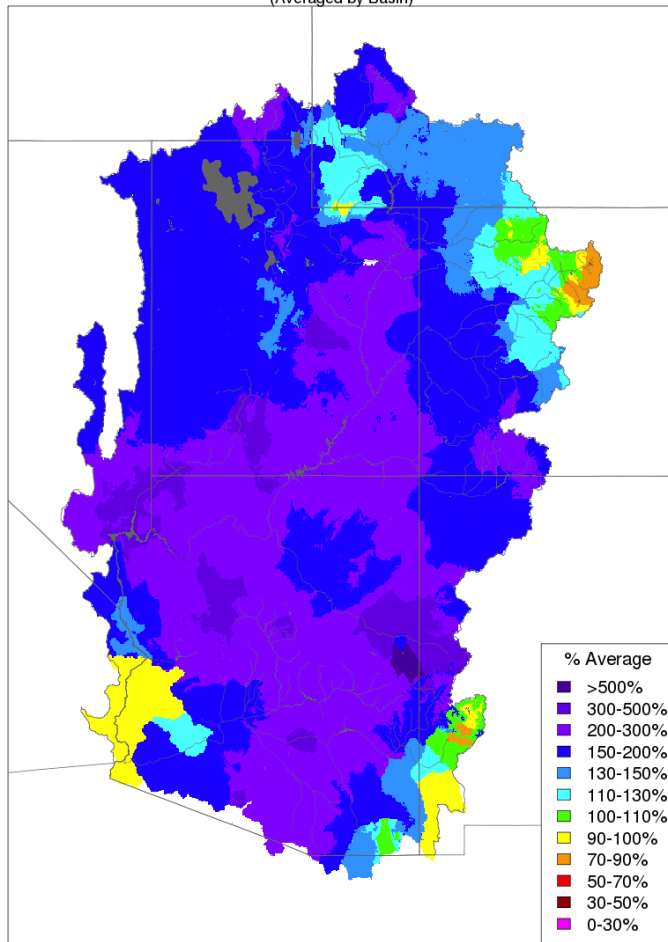
Nevada Water Supply

- 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	1,089.2	41%	1.0 ft
Lake Powell	3,571.1	38%	- 43.7 ft

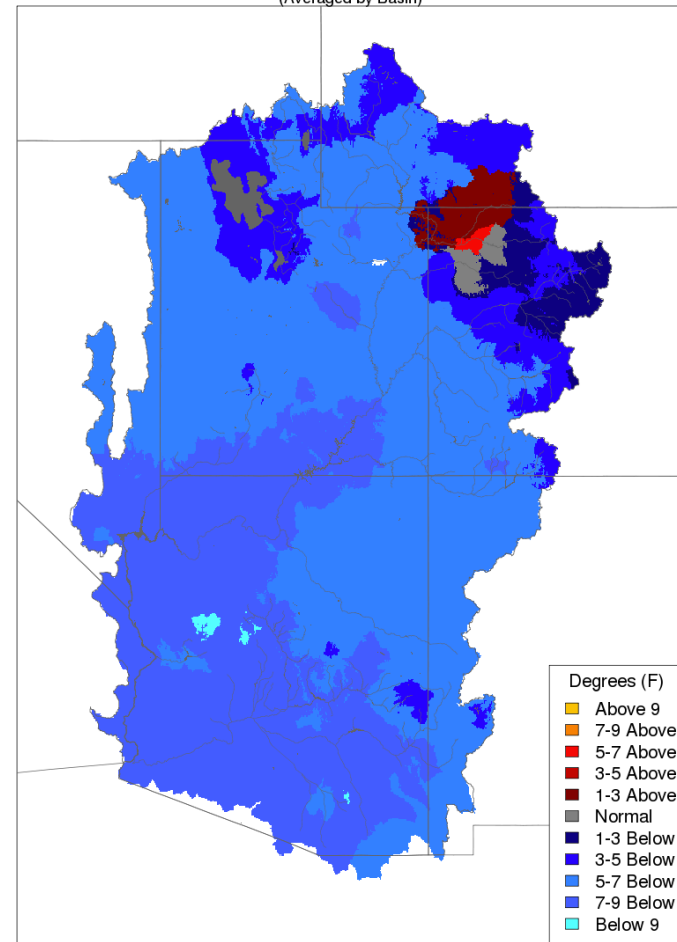
Precipitation and Temperature

Monthly Precipitation - February 2019
(Averaged by Basin)



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

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



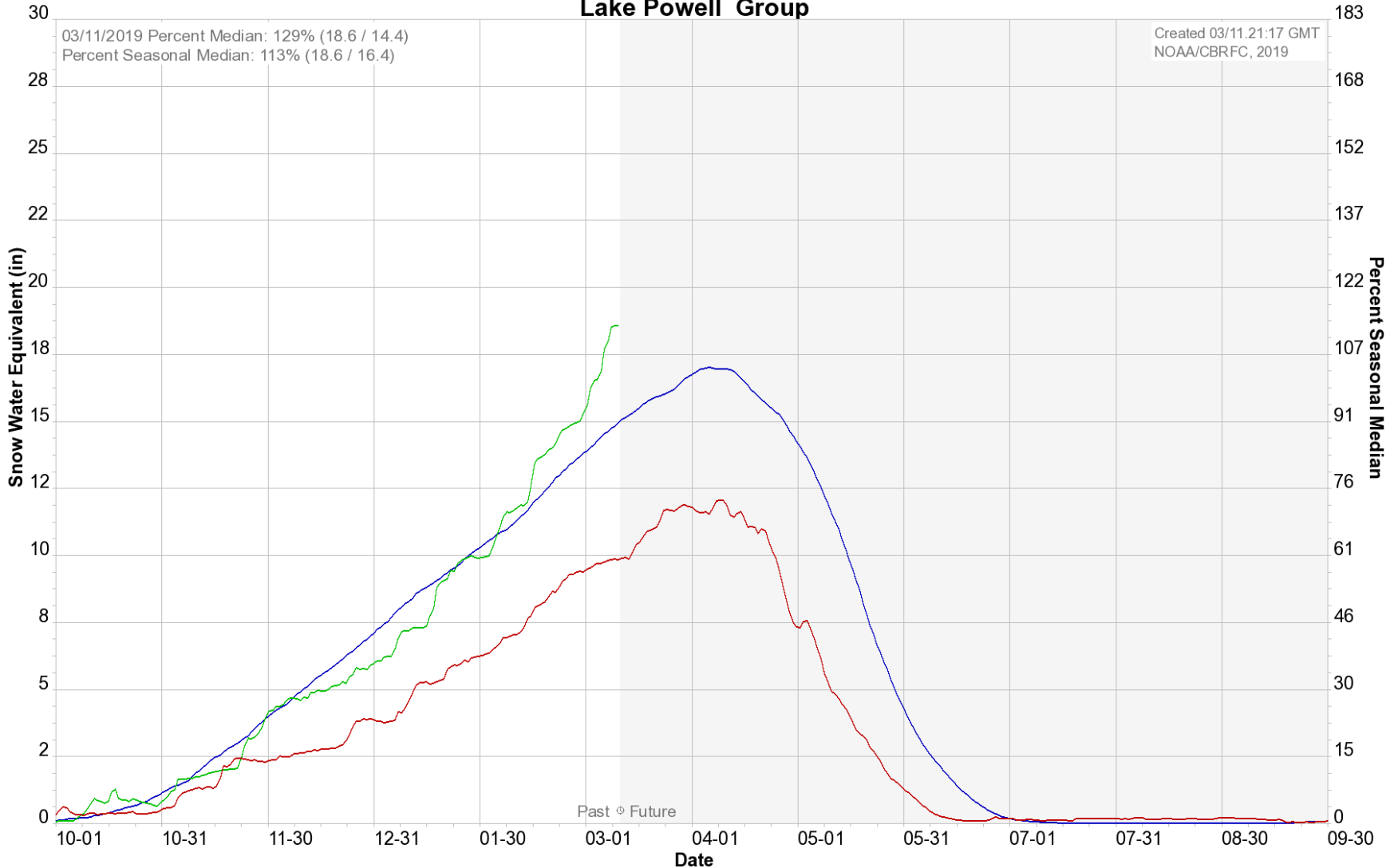
Prepared by NOAA, Colorado Basin River Forecast Center
Salt Lake City, Utah, www.cbrfc.noaa.gov

Above Lake Powell February precipitation: 148% Fabulous February!!

Upper Basin Snowpack Accumulation

October 1st, 2018 to March 11th, 2019

Colorado Basin River Forecast Center Lake Powell Group



Unregulated Inflow, Current and Projected Reservoir Status

Projected unregulated inflow to Lake Powell	Acre-Feet	% Average
Water Year 2019	9,932,000	92%
April thru July 2019	7,300,000	102%

Reservoir	Current Elevation	Current Storage Acre-Feet	Current % Capacity	Projected Elevation on 1/1/2020 ¹
Lake Mead	1,089.2	10,702,000	41%	1,071.6
Lake Powell	3,571.1	9,232,000	38%	3,572.2

Data retrieved March 11th, 2019

¹ Based on Reclamation's February 2019 24 Month Study.

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 2019	29,275	20,741	8,533
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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