

Colorado River Commission of Nevada

Hydrology and Water Use Update May 14, 2019



Summary

Lake Powell

- Water Year 2019 Upper Basin snowpack peaked at 126% of average.
- Water Year 2019 Upper Basin cumulative precipitation is 119% of average.
- Water Year 2019 unregulated inflow is forecasted at 112% of average.
- The April-July unregulated inflow is expected to be the third highest runoff since 1997.

Lake Mead

- A Lower Basin shortage is not projected for Water Year 2020.
- Lake Mead is projected to decrease about 4 feet by end of calendar year.

Nevada Water Supply

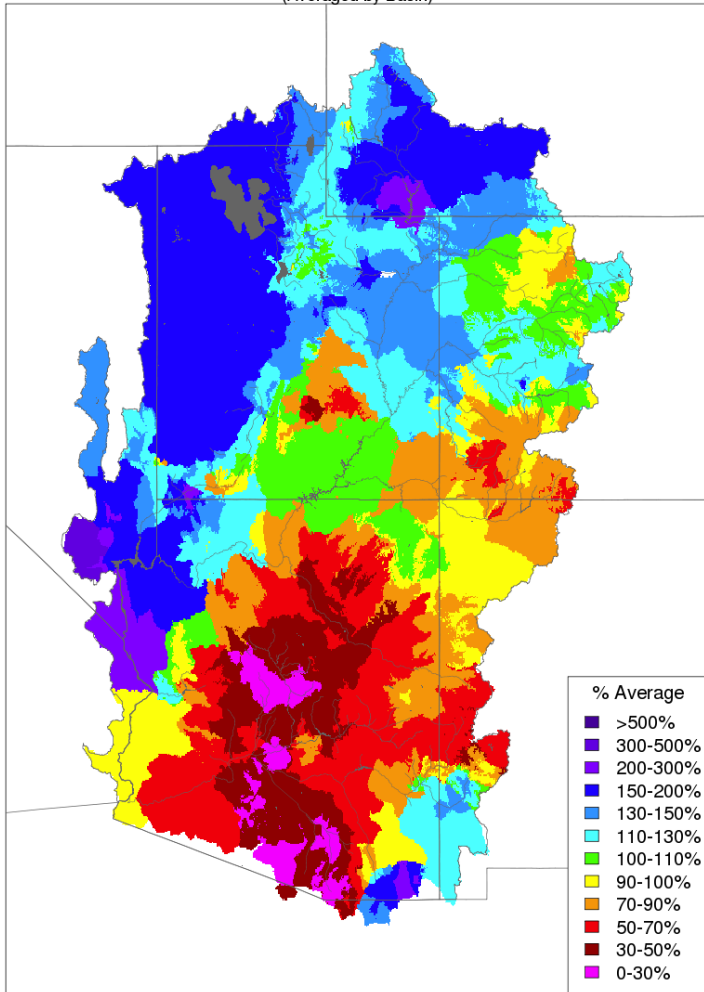
- Southern Nevada has 7 years of water supply banked.
- **In 2018, Southern Nevada used 19% less than its annual allocation.**

Storage	Elevation (f)	% Capacity	Change since last year
Lake Mead	1,088.2	41%	5.6 ft
Lake Powell	3,576.8	40%	- 35.2 ft

Precipitation and Temperature

Monthly Precipitation - April 2019

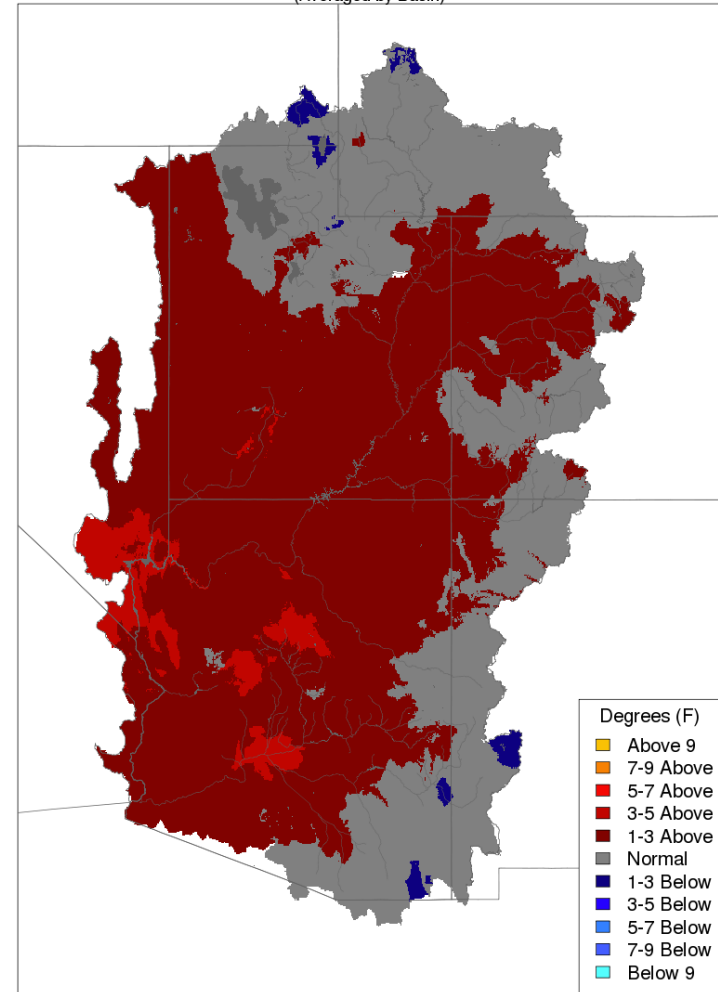
(Averaged by Basin)



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

Max Temp - Monthly Deviation - April 2019

(Averaged by Basin)

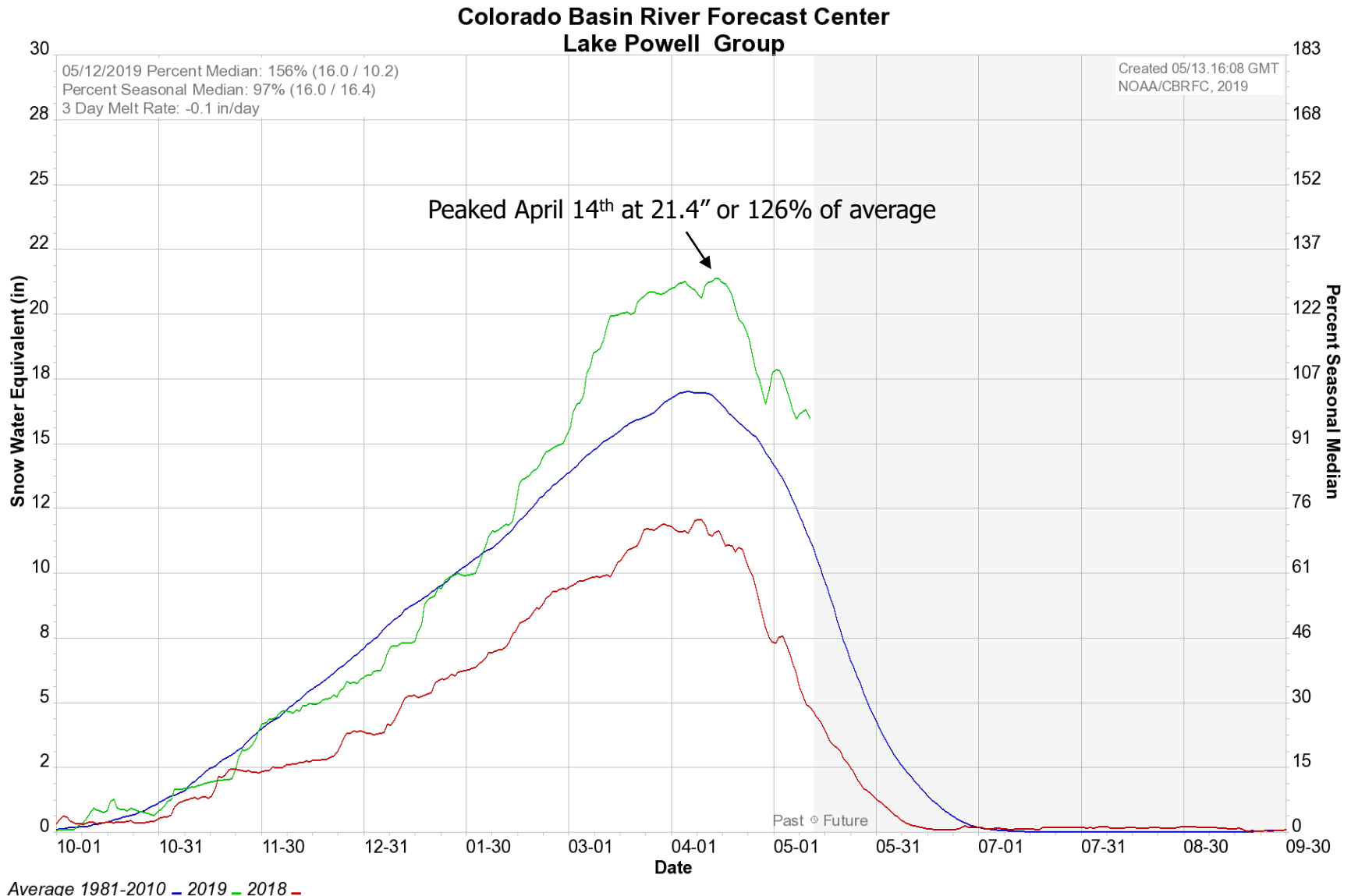


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Above Lake Powell April precipitation: 106%

Upper Basin Snowpack Accumulation

October 1st, 2018 to May 14th, 2019



Unregulated Inflow, Current and Projected Reservoir Status

Projected unregulated inflow to Lake Powell	Acre-Feet	% Average
Water Year 2019	12,129,000	112%
April thru July 2019	9,200,000	128%

Reservoir	Current Elevation	Current Storage Acre-Feet	Current % Capacity	Projected Elevation on 1/1/2020 ¹
Lake Mead	1,088.2	10,705,000	41%	1,084.3
Lake Powell	3,576.8	9,668,000	40%	3,607.5

Data retrieved May 13th, 2019

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

Water Use In Southern Nevada

Southern Nevada Water Use

2018 Actual Use in Acre-Feet*

Nevada Annual Allocation	300,000
Diversion	479,279
Return Flows	235,176
Consumptive Use	244,103
Unused Allocation Available for Banking	55,897 (19%)

Southern Nevada Water Use

Diversions

Return Flows

Consumptive Use

January-March 2019	88,191	59,922	28,269
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Banked Water (through end of 2018)*

Acre-Feet

Ground Water Recharge in So. Nevada	358,045
Banked in Lake Mead	700,448
Banked in California and Arizona	943,821
Total	2,002,314

*2018 Final accounting totals are provisional