

Colorado River Commission of Nevada

Hydrology and Water Use Update

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May 12, 2020



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Summary

Lake Powell

- Upper Basin snowpack reached the seasonal average in April.
- Dry conditions in April reduced the unregulated inflow forecast to Lake Powell by one million af.
- Water Year 2020 unregulated inflow is forecasted at 68% of average.

Lake Mead

- Based on Reclamations April 24 Month Study Lake Powell will not have a balancing release for the remainder of Water Year 2020.
- Reclamation has essential staff continuing to operate the reservoirs water releases and hydropower generation.

Nevada Water Supply

- Southern Nevada has 9 years of water supply banked. ¹
- In 2019, Southern Nevada used 22% less than its annual allocation.

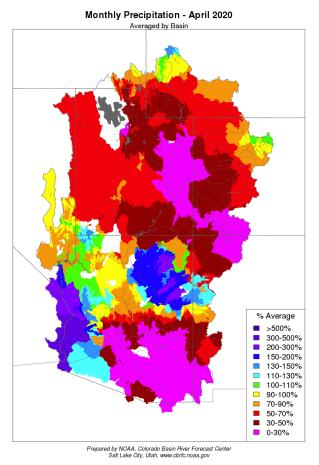
Storage	Elevation (f)	% Capacity	Change since last year
Lake Mead	1,094.8	43%	6.6 ft
Lake Powell	3,600.6	49%	24.2 ft

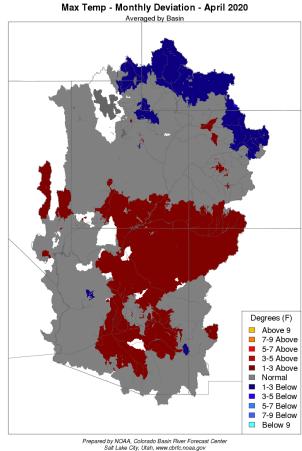
Data retrieved May 11, 2020

¹ Based on historical Southern Nevada water use.



Precipitation and Temperature



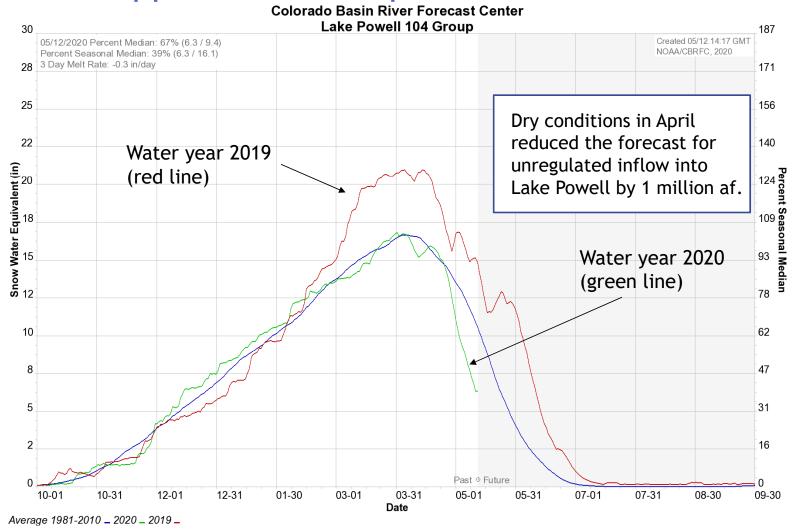


Above Lake Powell April precipitation: 60%

Above Lake Powell water year 2020 cumulative precipitation: 86%



Upper Basin Snowpack Accumulation





Unregulated Inflow, Current and Projected Reservoir Status

F	Projected unregulated inflow to Lake Power	ell Acre-Feet	% Average
	Water Year 2020	7,402,000	68%*
	April thru July 2020	4,650,000	65%*

^{* 2020} forecast reduced due to below average precipitation and dry soil conditions.

Reservoir	Current Elevation	Current Storage Acre-Feet	Current % Capacity	Projected Elevation on 1/1/2021 ¹
Lake Mead	1,094.8	11,277,000	43%	1,084.7
Lake Powell	3,600.6	11,808,000	49%	3,609.3

Data retrieved May 11, 2020

¹ Based on Reclamation's April 2020 24 Month Study Most Probable Inflow.



Water Use In Southern Nevada

Southern Nevada Water Use

2019 Actual Use in Acre-Feet

Nevada Annual Allocation	300,000
Diversion	472,314
Return Flows	238,318
Consumptive Use	233,996
Unused Allocation Available for Banking	66,004, (22%)

Southern Nevada Water Use	Diversions	Return Flows	Consumptive Use
January-March 2020	91,163	60,854	30,309

Banked Water (through end of 2019)

Acre-Feet

Ground Water Recharge in So. Nevada	358,315
Banked in Lake Mead	785,913
Banked in California and Arizona	944,071
Total	2,088,299