Colorado River Commission of Nevada

Hydrology and Water Use Update

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April 14, 2020





Summary

Lake Powell

- Upper Basin snowpack reached the seasonal average in April.
- Below average precipitation from June to September 2019 has caused dry soil conditions in the Upper Basin.
- Water Year 2020 unregulated inflow is forecasted to be 78% of average.

Lake Mead

- Lower Basin rainstorms in March reduced the releases from Hoover Dam, resulting in Lake Mead's elevation about three feet higher than projected.
- Reclamation has essential staff continuing to operate the reservoirs water releases and hydropower generation.

Nevada Water Supply

- Southern Nevada has 7 years of water supply banked. ¹
- In 2018, Southern Nevada used 19% less than its annual allocation.

Storage	Elevation (f)	% Capacity	Change since last year
Lake Mead	1,097.5	44%	7.8 ft
Lake Powell	3,600.3	48%	31.6 ft

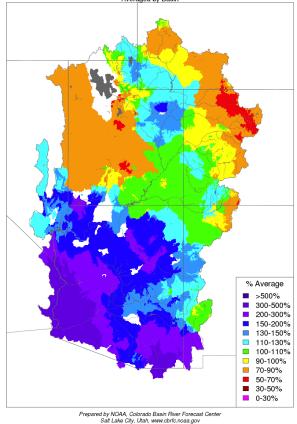
Data retrieved April 9, 2020

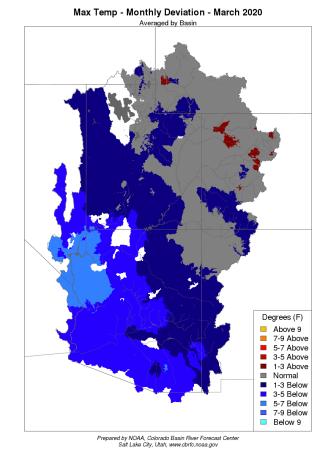
¹ Based on historical Southern Nevada water use.



Precipitation and Temperature

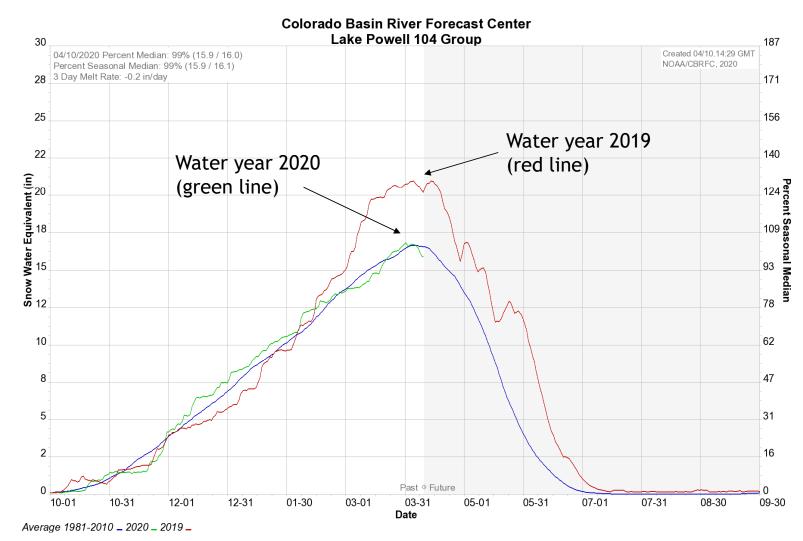
Monthly Precipitation - March 2020 Averaged by Basin





Above Lake Powell March precipitation: 90% Above Lake Powell water year 2020 cumulative precipitation: 91%

Upper Basin Snowpack Accumulation



Unregulated Inflow, Current and Projected Reservoir Status

Projected unregulated inflow to Lake Powe	ell Acre-Feet	% Average
Water Year 2020	8,417,000	78%*
April thru July 2020	5,600,000	78%*

* 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	1,097.5	11,510,000	44%	1,082.9
Lake Powell	3,600.3	11,776,000	48%	3,609.9

Data retrieved April 9, 2020

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

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-February 2020	59,561	41,292	18,269
Banked Water (through end of 20		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	

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