Colorado River Commission of Nevada

Hydrology and Water Use Update June 11, 2019





Summary

Lake Powell

- Water Year 2019 Upper Basin snowpack peaked at 126% of average.
- Water Year 2019 Upper Basin cumulative precipitation is 129% of average.
- Water Year 2019 unregulated inflow is forecasted at 125% of average.
- Water year unregulated inflow forecast has increased 6.5 million acre feet since January.

Lake Mead

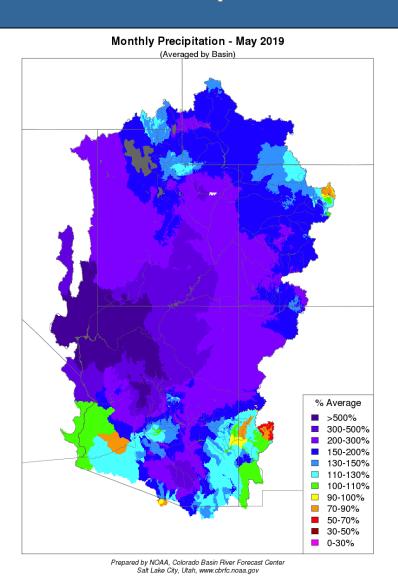
- A Lower Basin shortage is <u>not</u> projected for Water Year 2020.
- Lake Mead is projected to decrease about 1 foot by end of calendar year.

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	1,085.7	40%	6.6 ft
Lake Powell	3,590.3	45%	- 22 ft

Precipitation and Temperature



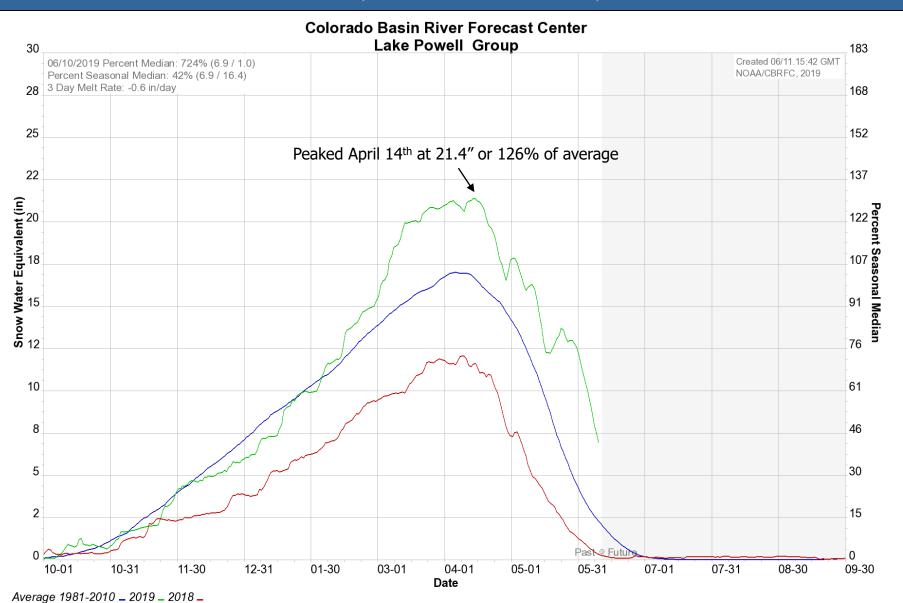
Max Temp - Monthly Deviation - May 2019 (Averaged by Basin) Degrees (F) Above 9 7-9 Above 5-7 Above 3-5 Above 1-3 Above Normal 1-3 Below 3-5 Below 5-7 Below 7-9 Below Below 9

Prepared by NOAA, Colorado Basin River Forecast Center

Salt Lake City, Utah, www.cbrfc.noaa.gov

Upper Basin Snowpack Accumulation

October 1, 2018 to June 11, 2019



Unregulated Inflow, Current and Projected Reservoir Status

Projected unregulated inflow to Lake Power	ell Acre-Feet	% Average
Water Year 2019	13,488,000	125%
April thru July 2019	10,303,000	144%

Reservoir	Current Elevation	Current Storage Acre-Feet	Current % Capacity	Projected Elevation on 1/1/2020 ¹
Lake Mead	1,085.7	10,490,000	40%	1,084.9
Lake Powell	3,590.3	10,845,000	45%	3,606.4

Data retrieved June 10th, 2019

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

Water Use In Southern Nevada

2018 Actual Use in Acre-Feet

Southern Nevada Water Use

	2010 / (01041 030 111 / (010 1 001				
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	R	eturn Flows	Consumptive Use	
January-April 2019	122,682		78,970	43,712	
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		