

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 not projected for Water Year 2020.
- Lake Mead is projected to decrease about 1 foot by end of calendar year.

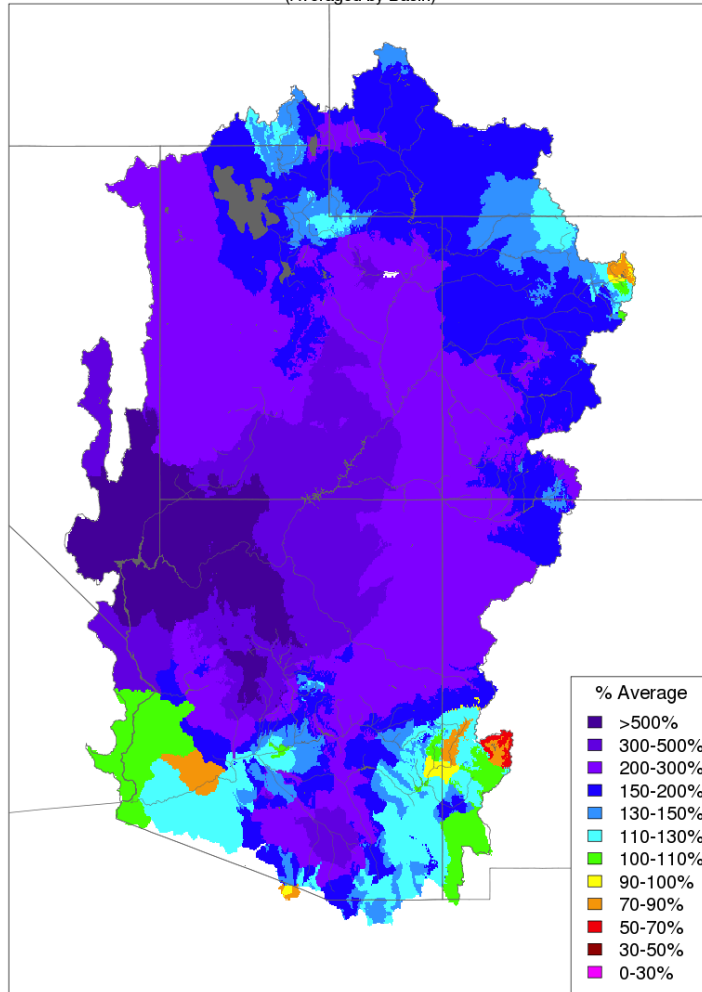
Nevada Water Supply

- 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

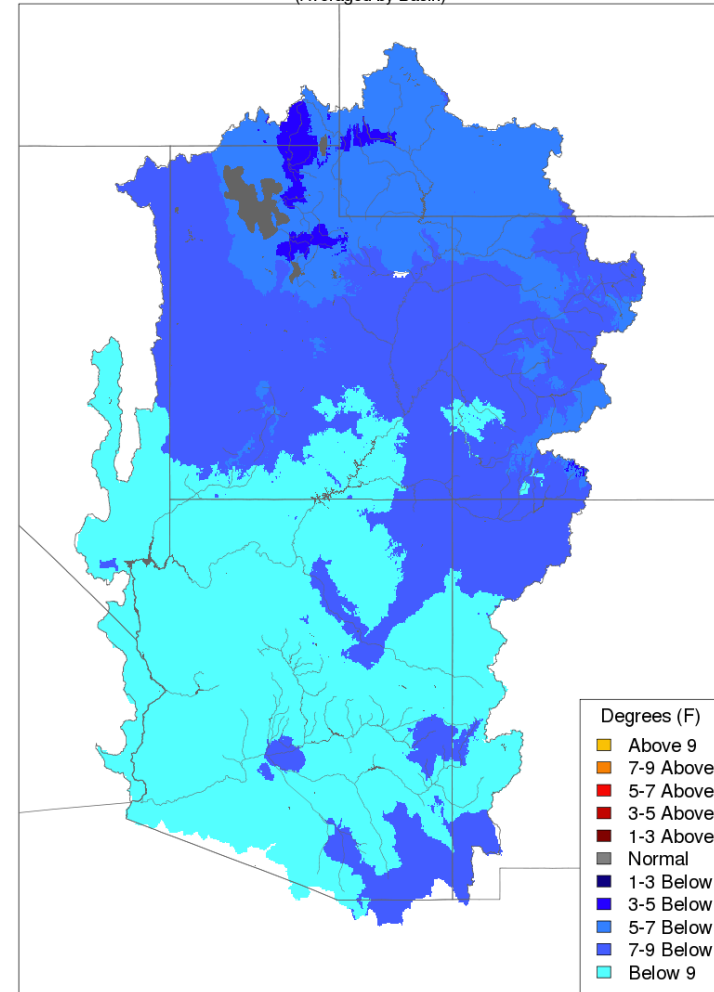
Precipitation and Temperature

Monthly Precipitation - May 2019
(Averaged by Basin)



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

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



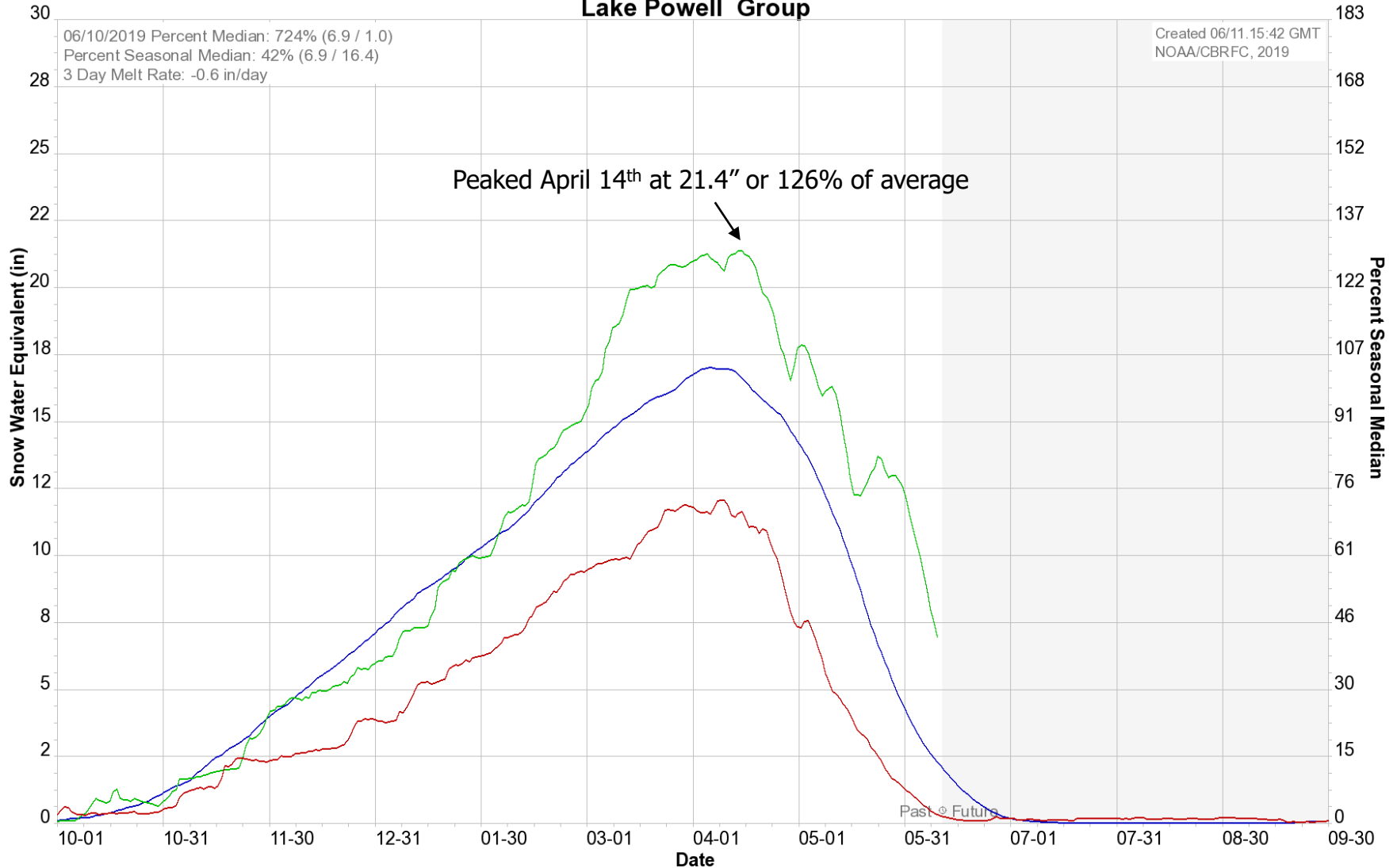
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Salt Lake City, Utah, www.cbrfc.noaa.gov

Above Lake Powell May precipitation: 178%

Upper Basin Snowpack Accumulation

October 1, 2018 to June 11, 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	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

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-April 2019	122,682	78,970	43,712
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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