

Colorado River Commission of Nevada

Hydrology and Water Use Update July 9, 2019



Summary

Lake Powell

- Water Year 2019 Upper Basin snowpack peaked at 126% of average.
- Water Year 2019 Upper Basin cumulative precipitation is 127% of average.
- Water Year 2019 unregulated inflow is forecasted at 128% of average.

Lake Mead

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

Nevada Water Supply

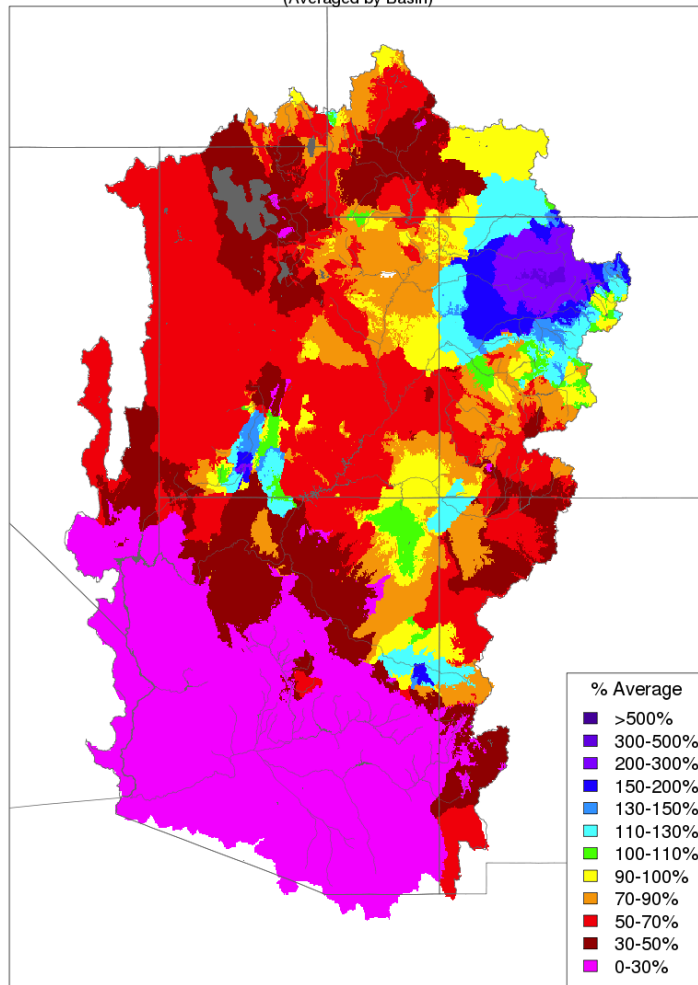
- Southern Nevada has 7 years of water supply banked.
- **In 2018, Southern Nevada used 19% less than its annual allocation.**

Storage	Elevation (f)	% Capacity	Change since last year
Lake Mead	1,084.7	40%	7.8 ft
Lake Powell	3,611.8	53%	2 ft

Data retrieved July 1st, 2019

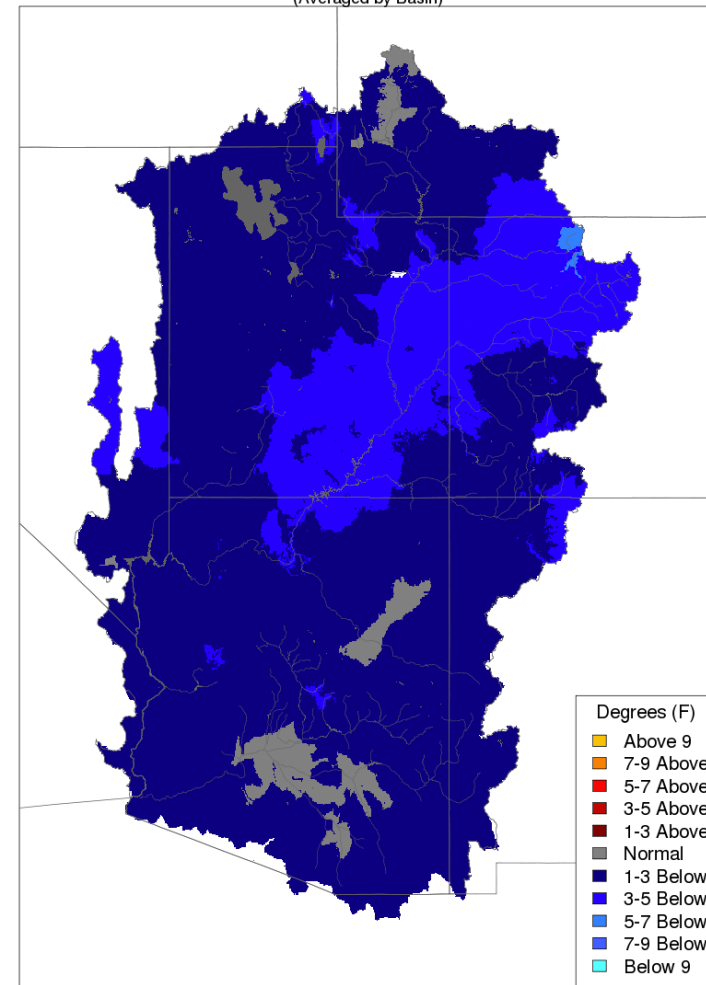
Precipitation and Temperature

Monthly Precipitation - June 2019
(Averaged by Basin)



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

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



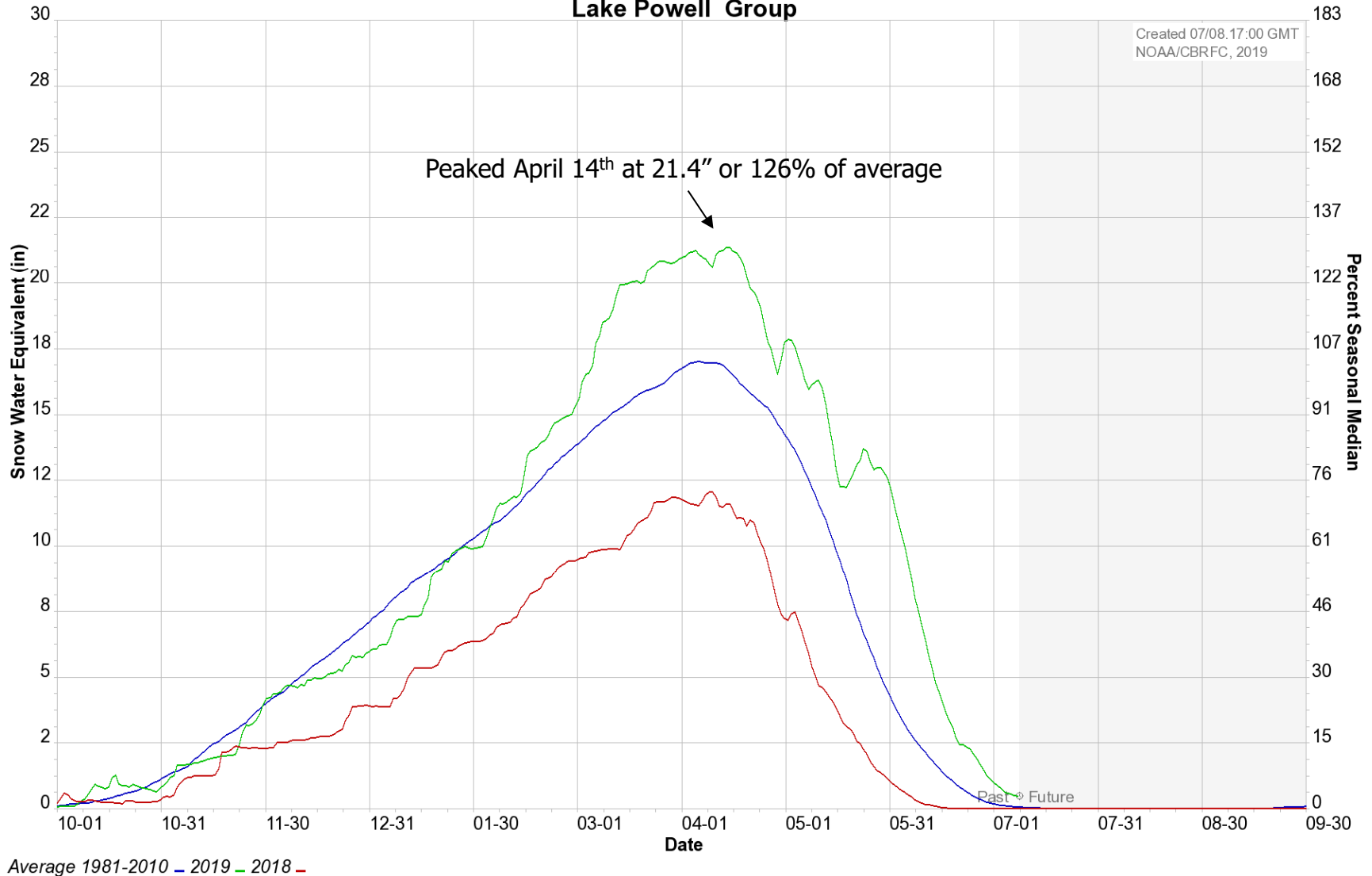
Prepared by NOAA, Colorado Basin River Forecast Center
Salt Lake City, Utah, www.cbrfc.noaa.gov

Above Lake Powell June precipitation: 112%

Upper Basin Snowpack Accumulation

October 1, 2018 to July 8, 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	13,824,000	128%
April thru July 2019	10,600,000	148%

Reservoir	Current Elevation	Current Storage Acre-Feet	Current % Capacity	Projected Elevation on 1/1/2020 ¹
Lake Mead	1084.7	10,405,000	40%	1,085.9
Lake Powell	3,611.8	12,914,000	53%	3,619.6

Data retrieved July 1st, 2019

¹ Based on Reclamation's June 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-May 2019	162,250	100,248	62,002
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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