

Colorado River Commission of Nevada

Hydrology and Water Use Update August 13, 2019



Summary

Lake Powell

- Water Year 2019 Upper Basin snowpack peaked at 126% of average.
- Water Year 2019 Upper Basin cumulative precipitation is 122% of average.
- Water Year 2019 unregulated inflow is forecasted at 125% of average.

Lake Mead

- A Lower Basin shortage is not projected for Water Year 2020.
- Lake Mead is projected to increase about 5 feet by end of calendar year.

Nevada Water Supply

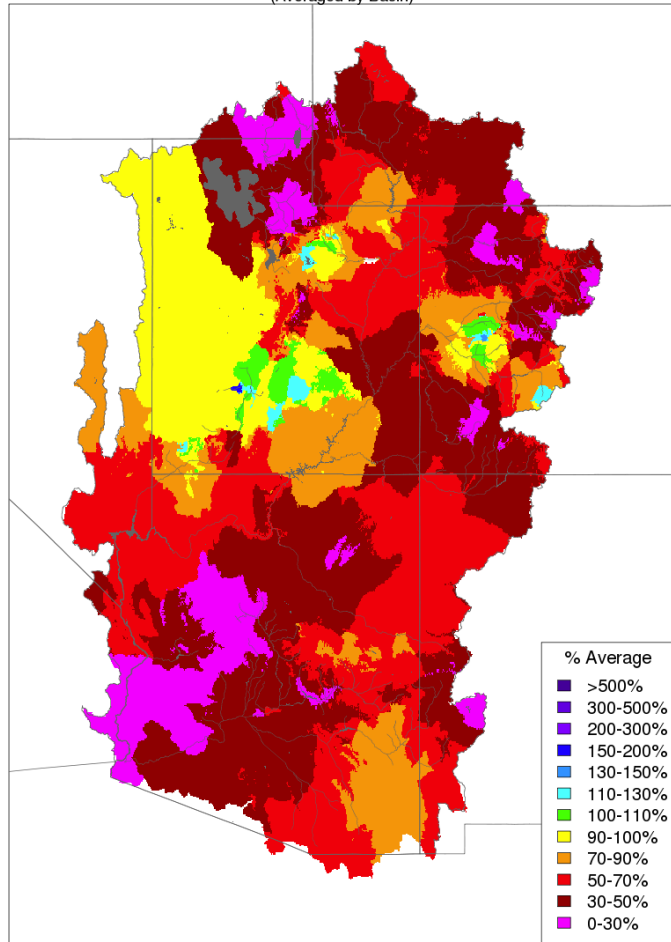
- Southern Nevada has 7 years of water supply banked.
- **In 2018, Southern Nevada used 19% less than its annual allocation.**

Storage	Elevation (f)	% Capacity	Change since last year
Lake Mead	1,083.0	39%	4.5 ft
Lake Powell	3,621.7	57%	36.0 ft

Data retrieved August 5, 2019

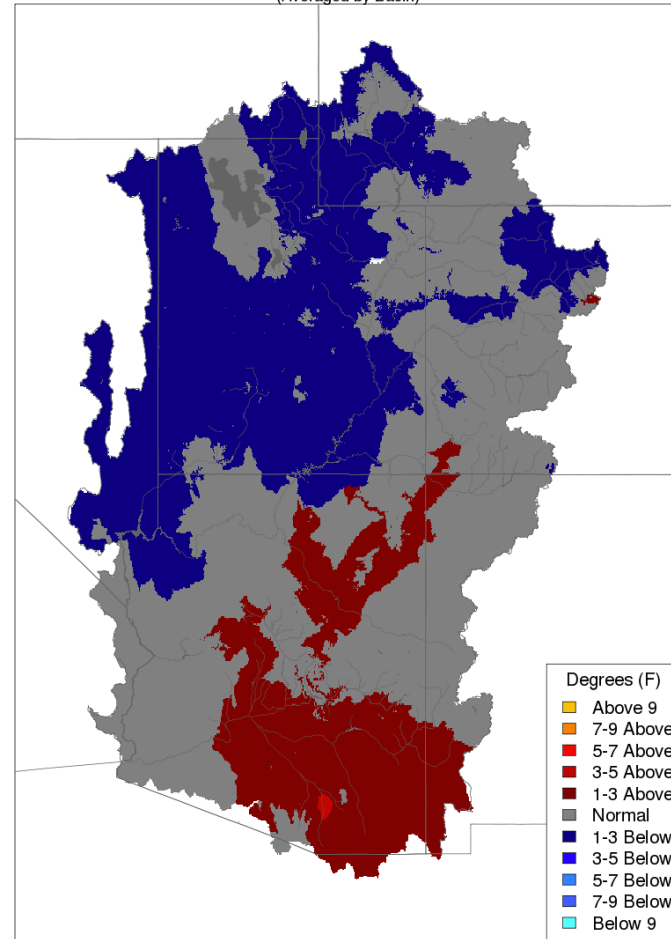
Precipitation and Temperature

Monthly Precipitation - July 2019
(Averaged by Basin)



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

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



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

Above Lake Powell July precipitation: 52%

Unregulated Inflow, Current and Projected Reservoir Status

Projected unregulated inflow to Lake Powell Acre-Feet % Average

Water Year 2019	13,535,000	125%
April thru July 2019	10,410,000	145%

Reservoir	Current Elevation	Current Storage Acre-Feet	Current % Capacity	Projected Elevation on 1/1/2020 ¹
Lake Mead	1,083.0	10,260,000	39%	1,087.5
Lake Powell	3,621.7	13,940,000	57%	3,622.4

Data retrieved August 5, 2019

¹ Based on Reclamation's July 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-June 2019	209,181	119,435	89,746
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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