

Colorado River Commission of Nevada

Hydrology and Water Use Update October 8, 2019



Summary

Lake Powell

- Water Year 2019 Upper Basin snowpack peaked at 126% of average.
- Water Year 2019 Upper Basin cumulative precipitation was 111% of average.
- Water Year 2019 unregulated inflow was estimated at 120% of average.

Lake Mead

- In calendar year 2020, Arizona and Nevada will have a first tier DCP contribution. Nevada's contribution is 8,000 acre feet.
- Lake Mead is projected to increase about 6 feet by end of calendar year.

Nevada Water Supply

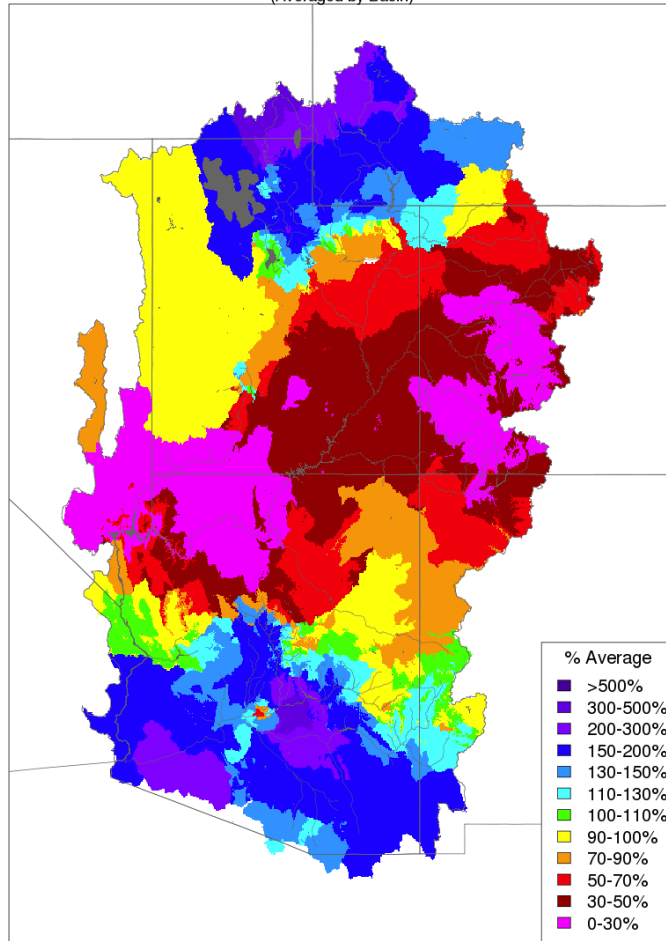
- Southern Nevada has 7 years of water supply banked.
- **In 2018, Southern Nevada used 19% less than its annual allocation.**

Storage	Elevation (f)	% Capacity	Change since last year
Lake Mead	1,083.5	39%	4.2 ft
Lake Powell	3,614.9	55%	23.2 ft

Precipitation and Temperature

Monthly Precipitation - September 2019

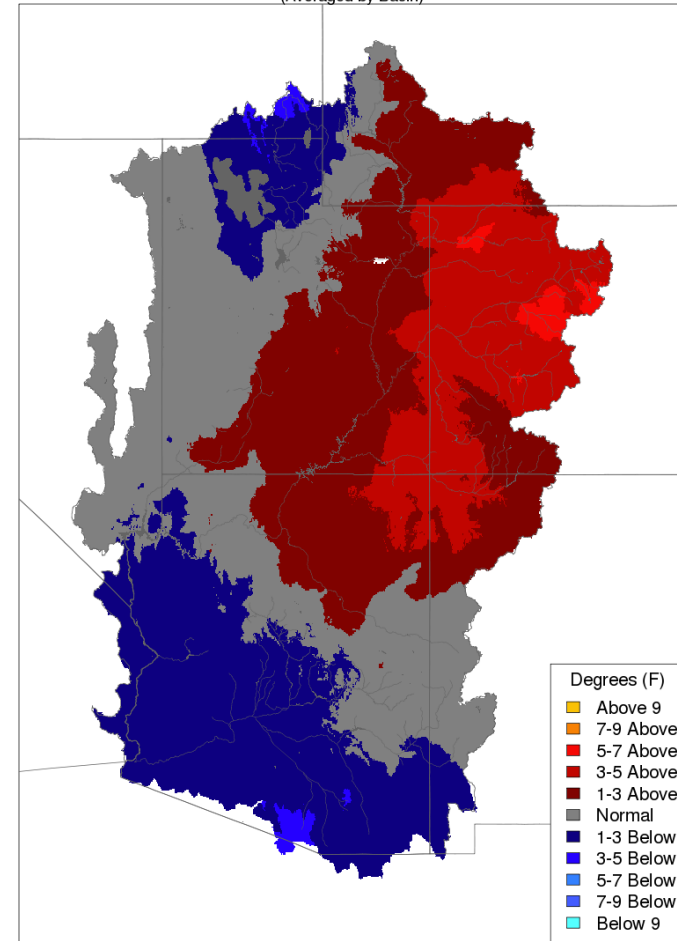
(Averaged by Basin)



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

Max Temp - Monthly Deviation - September 2019

(Averaged by Basin)



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

Above Lake Powell September precipitation: 56%

Unregulated Inflow, Current and Projected Reservoir Status

Projected unregulated inflow to Lake Powell	Acre-Feet	% Average
Water Year 2020	9,500,000	88%
April thru July 2020	6,080,000	85%

Reservoir	Current Elevation	Current Storage Acre-Feet	Current % Capacity	Projected Elevation on 1/1/2020 ¹
Lake Mead	1,083.5	10,304,000	39%	1,089.1
Lake Powell	3,614.9	13,230,000	55%	3,613.9

Data retrieved October 7, 2019

¹ Based on Reclamation's September 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-August 2019	316,610	158,680	157,929
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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