

Colorado River Commission of Nevada

Hydrology and Water Use Update September 10, 2019



Summary

Lake Powell

- Water Year 2019 Upper Basin snowpack peaked at 126% of average.
- Water Year 2019 Upper Basin cumulative precipitation is 116% of average.
- Water Year 2019 unregulated inflow is forecasted at 125% 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.

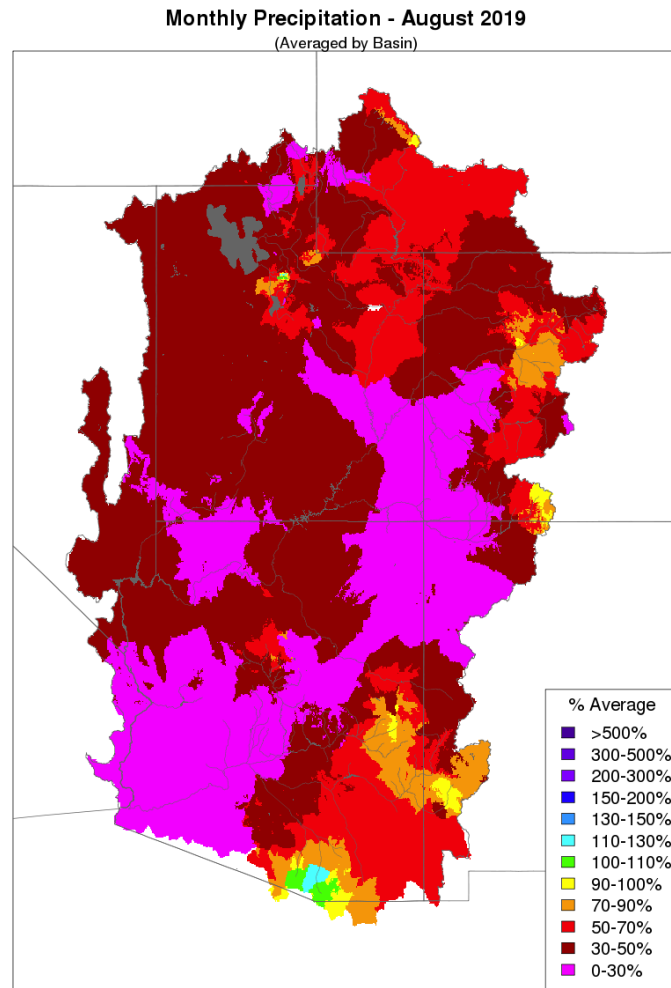
Nevada Water Supply

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

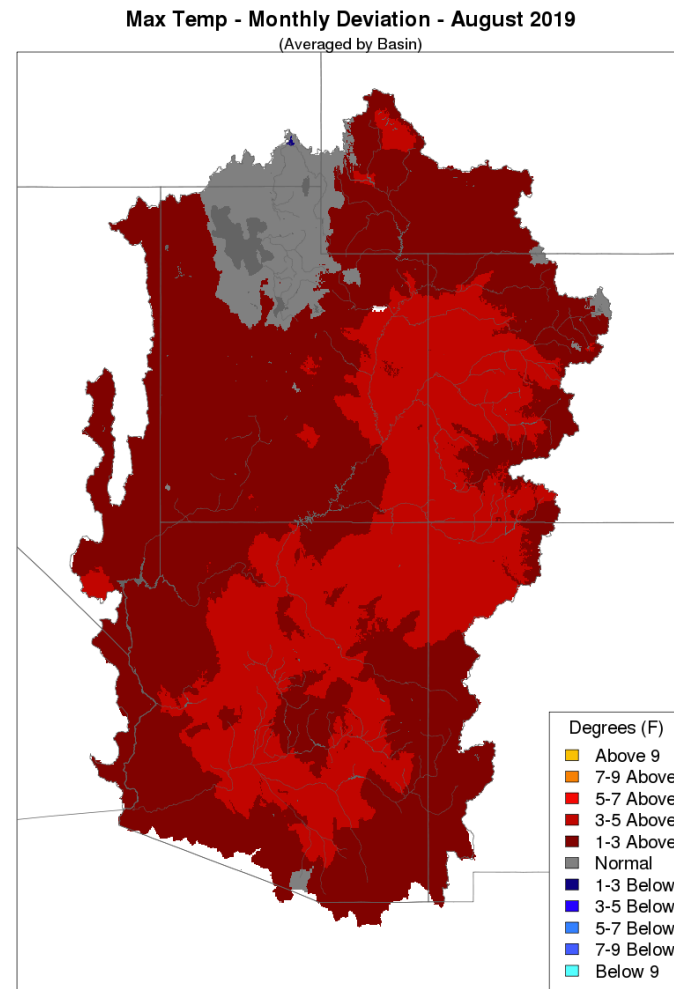
Storage	Elevation (f)	% Capacity	Change since last year
Lake Mead	1,083.6	39%	4.3 ft
Lake Powell	3,618.4	56%	21.7 ft

Data retrieved September 3, 2019

Precipitation and Temperature



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



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

Above Lake Powell August precipitation: 52%

Unregulated Inflow, Current and Projected Reservoir Status

Projected unregulated inflow to Lake Powell Acre-Feet % Average

Water Year 2019	13,510,000	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	1,083.6	10,309,000	39%	1,089.4
Lake Powell	3,618.4	13,589,000	56%	3,618.6

Data retrieved September 3, 2019

¹ Based on Reclamation's August 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-July 2019	262,119	139,110	123,008
-------------------	---------	---------	---------

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