

Colorado River Commission of Nevada

Hydrology and Water Use Update July 10, 2018



Water Use In Southern Nevada

Southern Nevada Water Use

2017 Actual Use in Acre-Feet

Nevada Annual Allocation	300,000
Diversion	470,271
Return Flows	226,846
Consumptive Use	243,425
Unused Allocation Available for Banking	56,575 (19%)

Southern Nevada Water Use

Diversions Return Flows Consumptive Use

January thru May 2018	179,757	94,843	84,914
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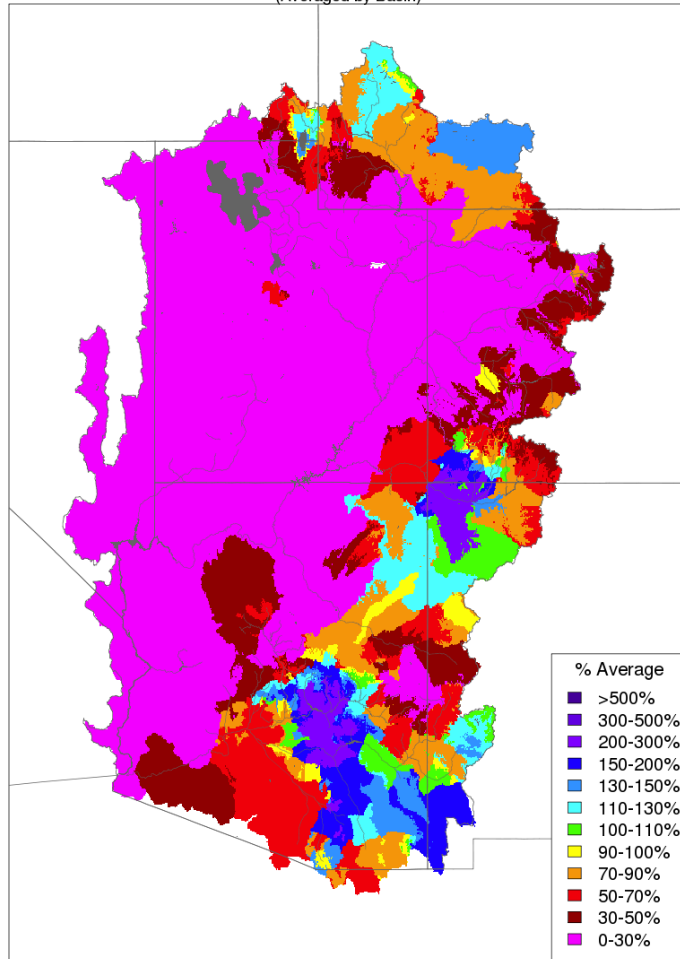
Banked Water (through end of 2017)

Acre-Feet

Ground Water Recharge in So. Nevada	359,045
Banked in Lake Mead	582,313
Banked in California and Arizona	931,226
Total	1,872,584

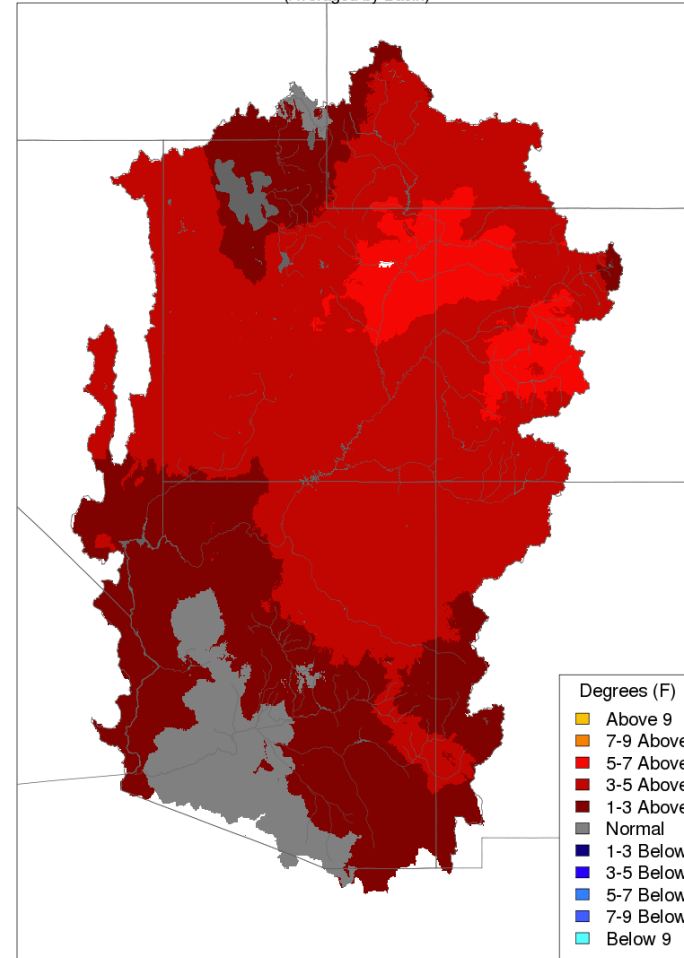
Precipitation and Temperature

Monthly Precipitation - June 2018
(Averaged by Basin)



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

Max Temp - Monthly Deviation - June 2018
(Averaged by Basin)



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

Above Lake Powell June Precipitation: 51%

Unregulated Inflow, Current and Projected Reservoir Status

Projected unregulated inflow to Lake Powell Acre-Feet % Average

Water Year 2018	5,113,000	47%
April thru July 2018	2,675,000	37%

Reservoir	Current Elevation	Current Storage Acre-Feet	Current % Capacity	Projected Elevation on 1/1/2019 ¹
Lake Mead	1,076.6	9,754,000	37%	1,077.7
Lake Powell	3,608.4	12,711,000	52%	3,588.5

Data retrieved July 8th, 2018

¹ Based on Reclamation's June 2018 24 Month Study.

Summary

Lake Powell

- Upper Basin cumulative precipitation is at 69% of average.
- Upper Basin snowpack peaked April 9th with 74% of average.
- Glen Canyon Dam will release above average flows in 2018.

Lake Mead

- Currently a shortage is not projected in 2019.
- Lake Mead is projected to increase about one foot from current elevation by the end of 2018.

Nevada Water Supply

- Southern Nevada has 7 years of water supply banked.
- **In 2017, Southern Nevada used 19% less than its annual allocation.**

Storage	Elevation (f)	% Capacity	Change since last year
Lake Mead	1,076.6	37%	- 2.8 ft
Lake Powell	3,608.4	52%	- 27.3 ft

Data retrieved July 8th, 2018