

# Colorado River Commission of Nevada

## Hydrology and Water Use Update August 14, 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 June 2018	226,375	113,236	113,138
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## Banked Water (through end of 2017)

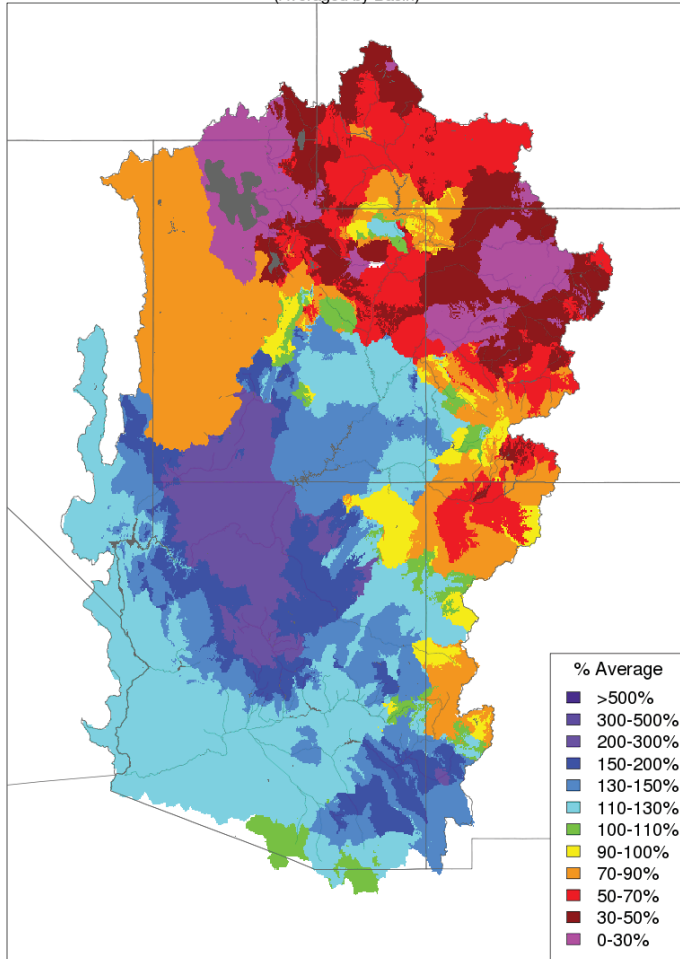
Acre-Feet

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 - July 2018

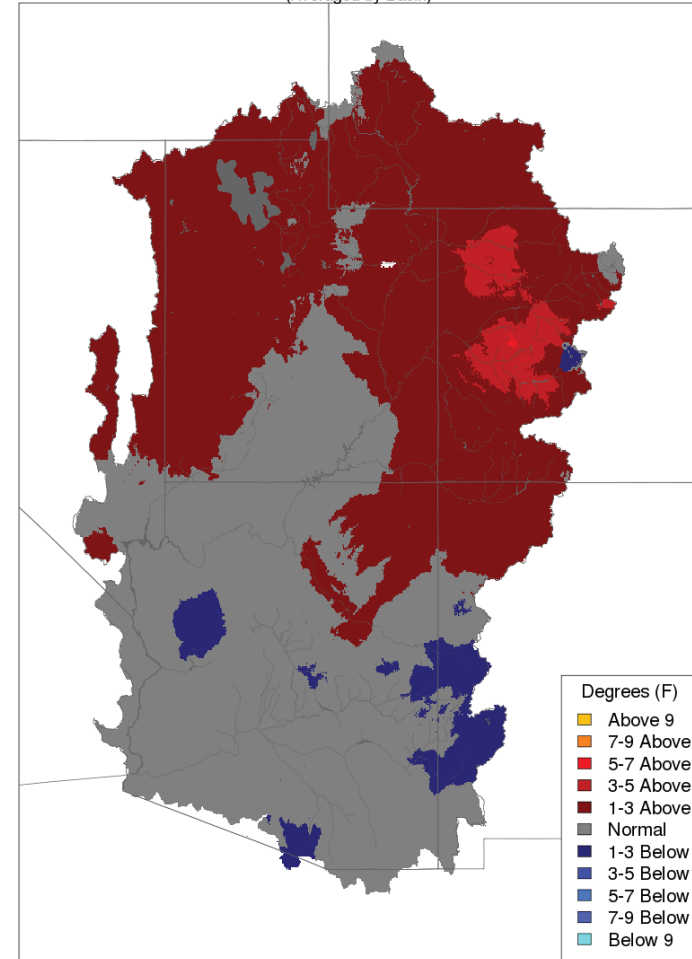
(Averaged by Basin)



Prepared by NOAA, Colorado Basin River Forecast Center  
Salt Lake City, Utah, [www.cbrfc.noaa.gov](http://www.cbrfc.noaa.gov)

Max Temp - Monthly Deviation - July 2018

(Averaged by Basin)



Prepared by NOAA, Colorado Basin River Forecast Center  
Salt Lake City, Utah, [www.cbrfc.noaa.gov](http://www.cbrfc.noaa.gov)

Above Lake Powell July Precipitation: 60%

# Unregulated Inflow, Current and Projected Reservoir Status

Projected unregulated inflow to Lake Powell	Acre-Feet	% Average
Water Year 2018	4,975,000	46%
April thru July 2018	2,602,000	36%

Reservoir	Current Elevation	Current Storage Acre-Feet	Current % Capacity	Projected Elevation on 1/1/2019 <sup>1</sup>
Lake Mead	1,077.8	9,828,000	38%	1,077.1
Lake Powell	3,602.7	12,013,000	49%	3,587.7

Data retrieved August 6th, 2018

<sup>1</sup> Based on Reclamation's July 2018 24 Month Study.

# Summary

## Lake Powell

- Upper Basin cumulative precipitation is at 68% of average.
- Upper Basin snowpack peaked April 9<sup>th</sup> 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 decrease 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	1,077.8	38%	- 1.8 ft
Lake Powell	3,602.7	49%	- 31.4 ft