

Colorado River Commission of Nevada

Hydrology and Water Use Update October 9, 2018



Summary

Lake Powell

- Water Year 2018 cumulative precipitation was 64% of average.
- Water Year 2018 unregulated inflow was 43% of average.
- Water Year 2019 unregulated inflow is forecasted at 70% of average.

Lake Mead

- A shortage will not occur in 2019.
- Lake Mead is projected to remain around current elevations through the end of the calendar year.

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	1,079.3	38%	- 3.9 ft
Lake Powell	3,591.8	45%	- 35.9 ft

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 August 2018	325,105	155,667	169,438
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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

Unregulated Inflow, Current and Projected Reservoir Status

Projected unregulated inflow to Lake Powell	Acre-Feet	% Average
Water Year 2018 (preliminary)	4,622,000	43%
April thru July 2018 (observed)	2,602,000	36%

Reservoir	Current Elevation	Current Storage Acre-Feet	Current % Capacity	Projected Elevation on 1/1/2019 ¹
Lake Mead	1,079.3	9,955,000	38%	1,079.2
Lake Powell	3,591.8	10,983,000	45%	3,583.7

Data retrieved October 9th, 2018

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