

Colorado River Commission of Nevada

Hydrology and Water Use Update April 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 February 2018	29,709	19,752	9,958
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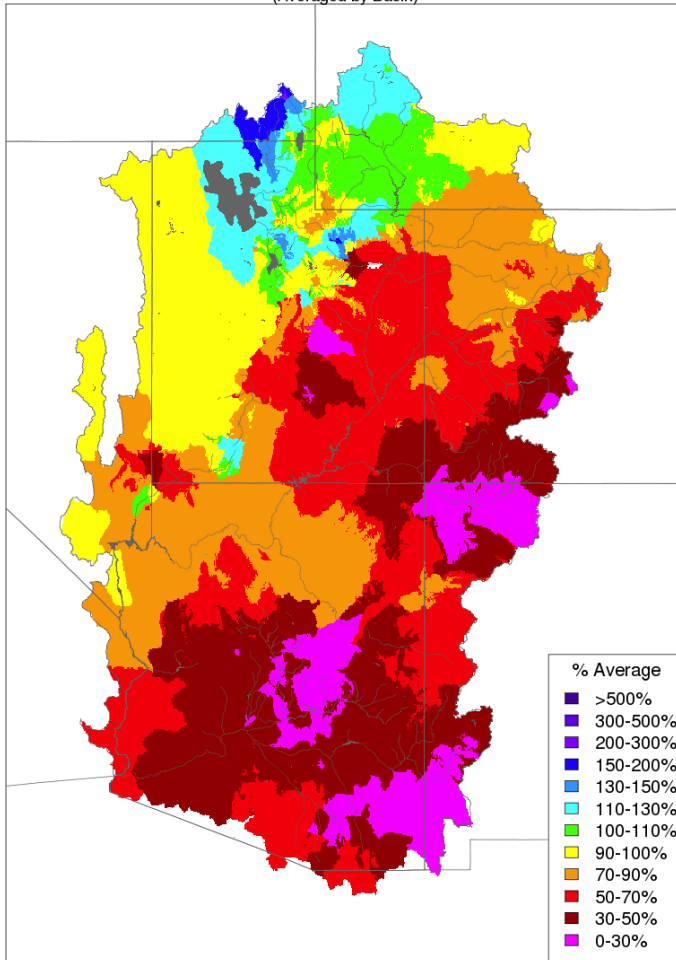
Banked Water (Provisional through end of 2017)

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

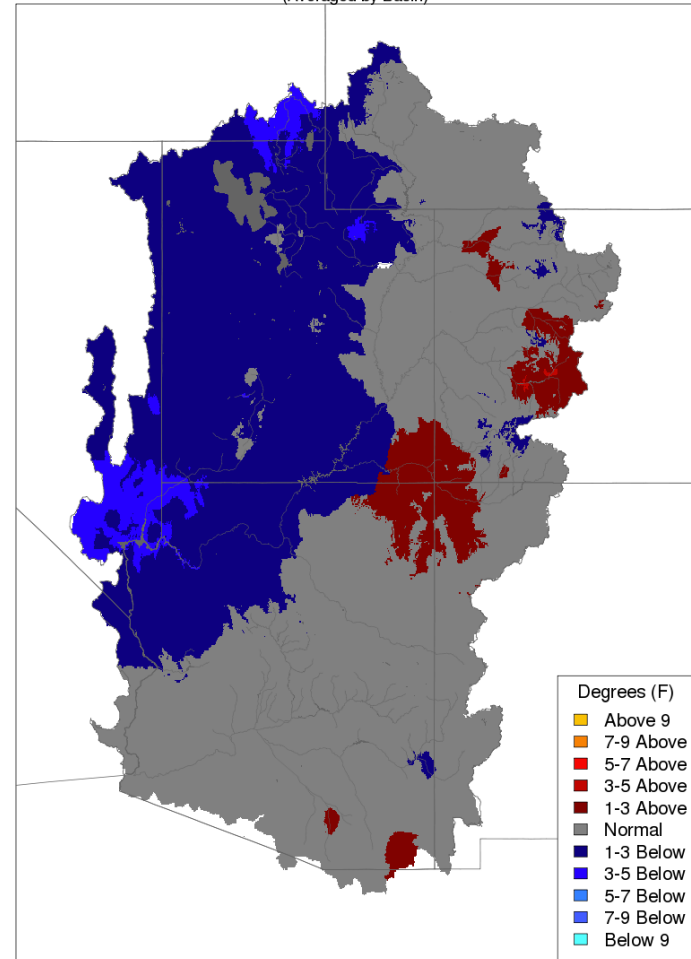
Precipitation and Temperature

Monthly Precipitation - March 2018
(Averaged by Basin)



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

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



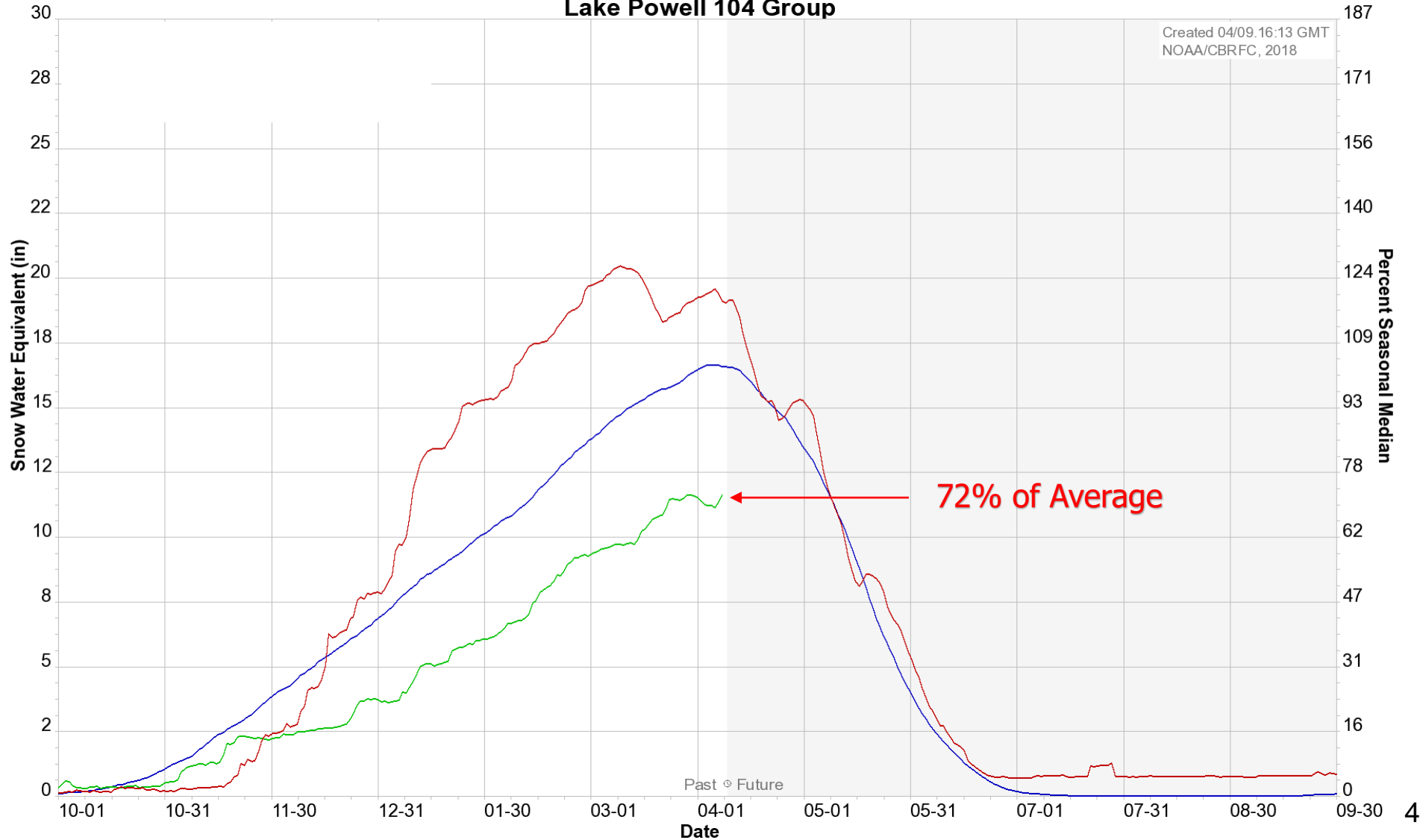
Prepared by NOAA, Colorado Basin River Forecast Center
Salt Lake City, Utah, www.cbrfc.noaa.gov

Above Lake Powell March Precipitation: 74%

Upper Basin Snowpack Accumulation

Colorado Basin River Forecast Center
Lake Powell 104 Group

Created 04/09.16:13 GMT
NOAA/CBRFC, 2018



Average 1981-2010 — 2018 — 2017 —

Unregulated Inflow, Current and Projected Reservoir Status

Projected unregulated inflow to Lake Powell	Acre-Feet	% Average
Water Year 2018	5,681,000	52%
April thru July 2018	3,100,000	43%

Reservoir	Current Elevation	Current Storage Acre-Feet	Current % Capacity	Projected Elevation on 1/1/2019 ¹
Lake Mead	1,088.1	10,695,000	41%	1,077.2
Lake Powell	3,612.1	12,949,000	53%	3,593.2

Data retrieved April 2, 2018

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

Summary

Lake Powell

- Upper Basin cumulative precipitation is at 69% of average.
- Upper Basin snowpack accumulation since October is at 72% of average.
- Glen Canyon Dam is forecasted to release above average flows in 2018.

Lake Mead

- Currently a shortage is not projected in 2019.
- Lake Mead is projected to be down about 11 feet 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 ¹
Lake Mead	1,088.1	41%	+ 0.1 ft
Lake Powell	3,612.1	53%	+ 15.3 ft

Data retrieved April 2, 2018

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