

Colorado River Commission of Nevada

Hydrology and Water Use Update June 12, 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 April 2018	132,022	74,952	57,070
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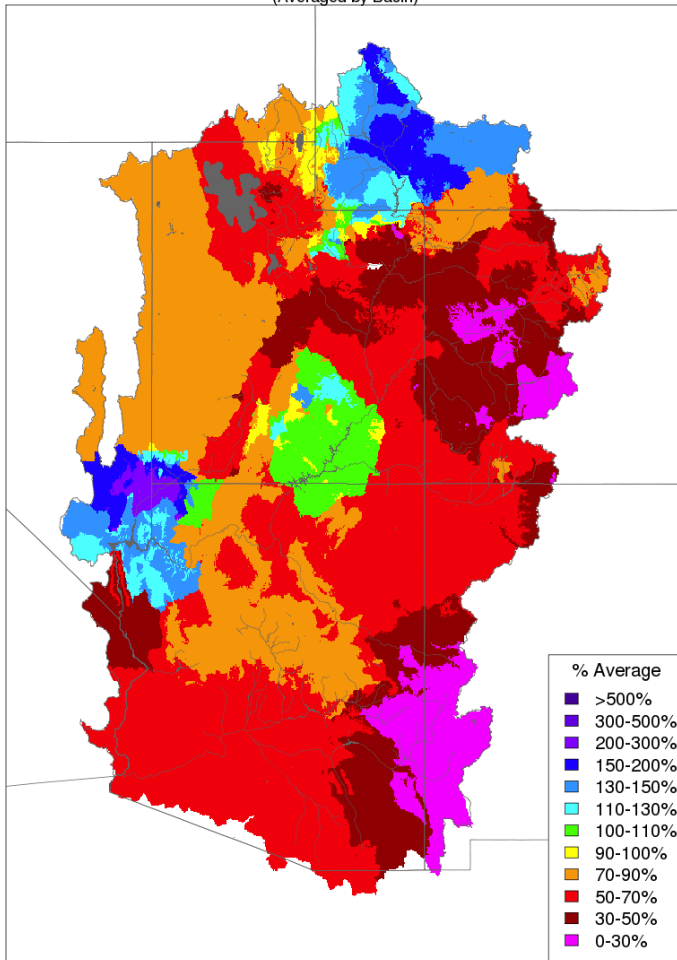
Banked Water (through end of 2017)

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

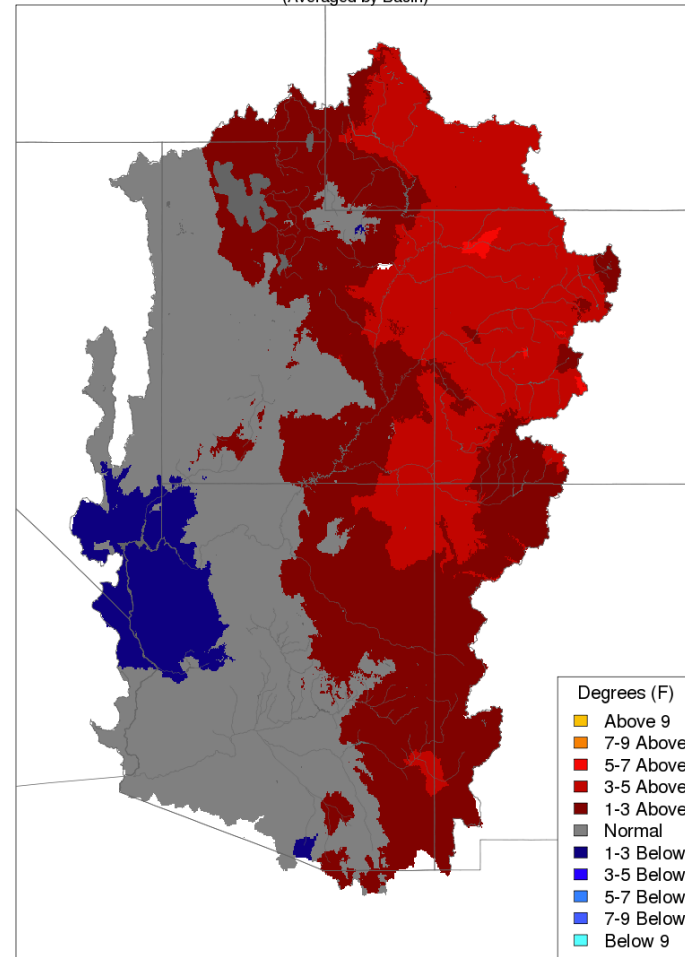
Precipitation and Temperature

Monthly Precipitation - May 2018
(Averaged by Basin)



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

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



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

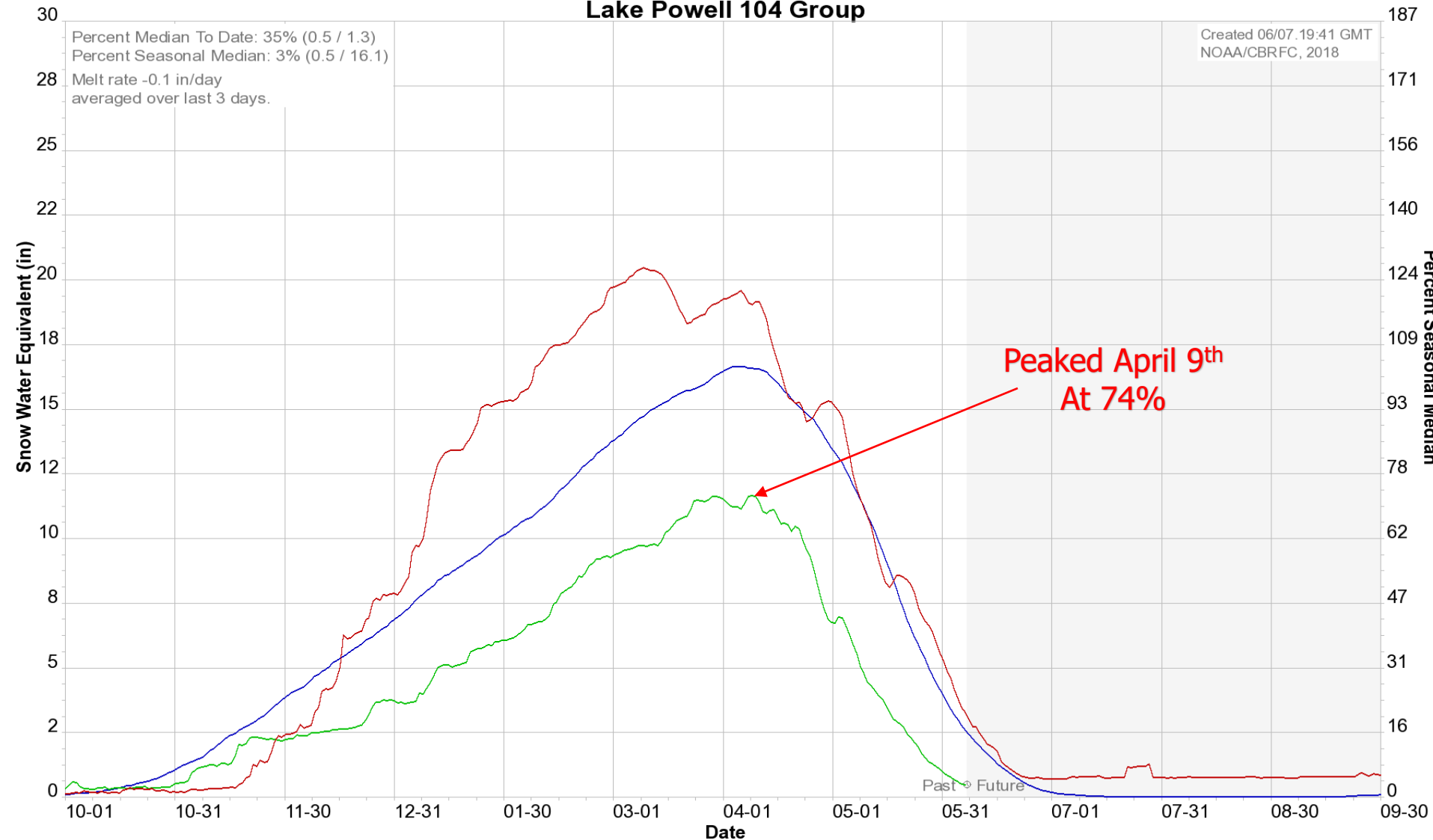
Above Lake Powell May Precipitation: 58%

Upper Basin Snowpack Accumulation

Colorado Basin River Forecast Center Lake Powell 104 Group

Percent Median To Date: 35% (0.5 / 1.3)
Percent Seasonal Median: 3% (0.5 / 16.1)
Melt rate -0.1 in/day
averaged over last 3 days.

Created 06/07.19:41 GMT
NOAA/CBRFC, 2018



Unregulated Inflow, Current and Projected Reservoir Status

Projected unregulated inflow to Lake Powell	Acre-Feet	% Average
Water Year 2018	5,247,000	48%
April thru July 2018	2,800,000	39%

Reservoir	Current Elevation	Current Storage Acre-Feet	Current % Capacity	Projected Elevation on 1/1/2019 ¹
Lake Mead	1,079.9	10,002,000	38%	1,078.6
Lake Powell	3,611.9	12,925,000	53%	3,590.4

Data retrieved June 4th, 2018

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

Summary

Lake Powell

- Upper Basin cumulative precipitation is at 71% 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 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 ¹
Lake Mead	1,079.9	38%	- 1.4 ft
Lake Powell	3,611.9	53%	- 9.3 ft

Data retrieved June 4th, 2018

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