Colorado River Commission of Nevada

Natural Resources Group Hydrologic Update May 12, 2015





Unregulated Inflow Into Lake Powell

As of May 11, 2015

	MAF*	% Avg**
• WY 2015 (forecast):	6.4	59%
April-July 2015 (forecast):	3.0	42%
April (observed):	0.64	61%
May (forecasted):	1.00	43%

*MAF=Million Acre-Feet

**30-year average, from 1981-2010 (current normal)



Storage Conditions As of May 11, 2015

		Percent of <u>Capacity</u>	<u>Δ from last year</u>
Lake Mead elev.	1077.95 ft	38%	14.82 ft
Lake Powell elev.	3,590.39 ft	45%	11.39 ft
Total System Storage (5/2015)	28.33 maf	48%	1 0.13 maf
Total System Storage (5/2014)	28.20 maf	47%	



Reservoir Storage

As of May 6, 2015

Colorado River Reservoir Storages

Basin	Reservoir	Max Storage	*Current Storage	Percentage	Current Storage subtotals
Upper Basin	Crystal Reservoir	17,356	16,987	98%	5,325,444
	Flaming Gorge	3,749,000	3,225,347	86%	
	Fontenelle	344,800	193,356	56%	
	Morrow Point	117,190	111,172	95%	
	Blue Mesa	829,500	602,906	73%	
	Navajo	1,696,000	1,175,676	69%	
	Lake Powell	24,322,000	10,806,931	44%	
Lower Basin	Lake Mead	26,120,000	9,911,000	38%	
	Lake Mohave	1,809,800	1,683,100	93%	2,275,600
	Lake Havasu	619,400	592,500	96%	
	TOTAL	59,625,046	28,318,975	47%	

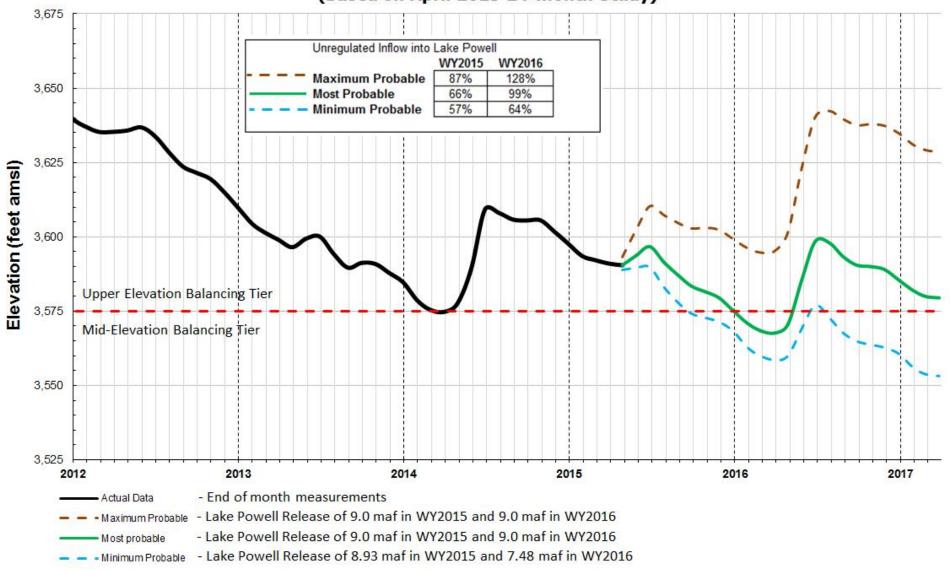
^{*}Data current as 3/9/2015

http://www.usbr.gov/lc/region/g4000/hourly/levels.html

http://www.usbr.gov/uc/water/rsvrs/ops/r40day.html

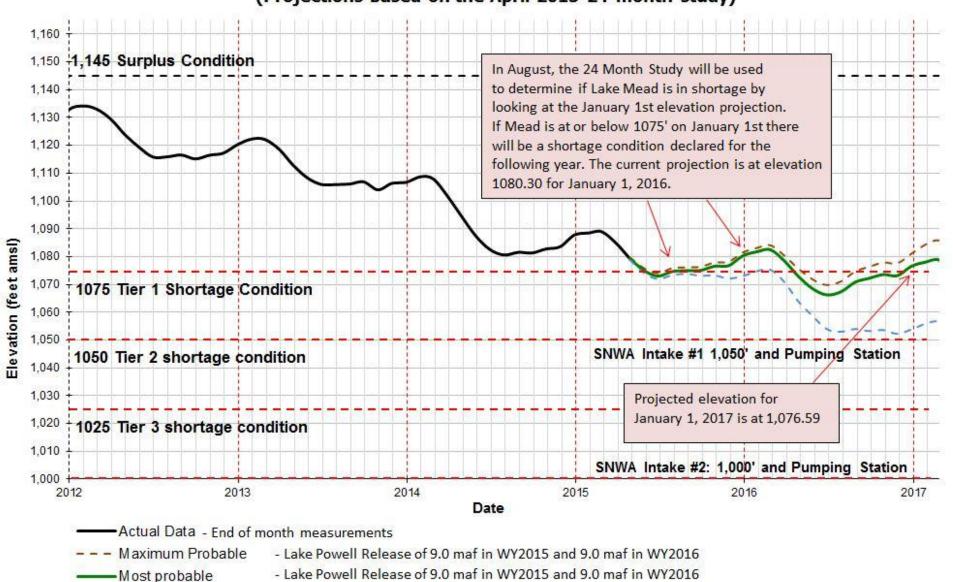
Lake Powell End of Month Elevations

(based on April 2015 24-month Study)



Lake Mead End of Month Elevation Projections

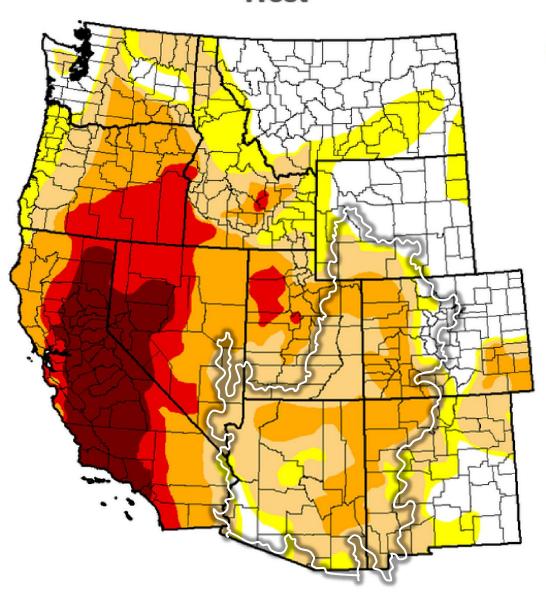
(Projections based on the April 2015 24-month study)



Lake Powell Release of 8.93 maf in WY2015 and 7.48 maf in WY2016.

Minimum Probable

U.S. Drought Monitor West



May 5, 2015 (Released Thursday May 7, 2015) Valid 8 a.m. EDT

Intensity:

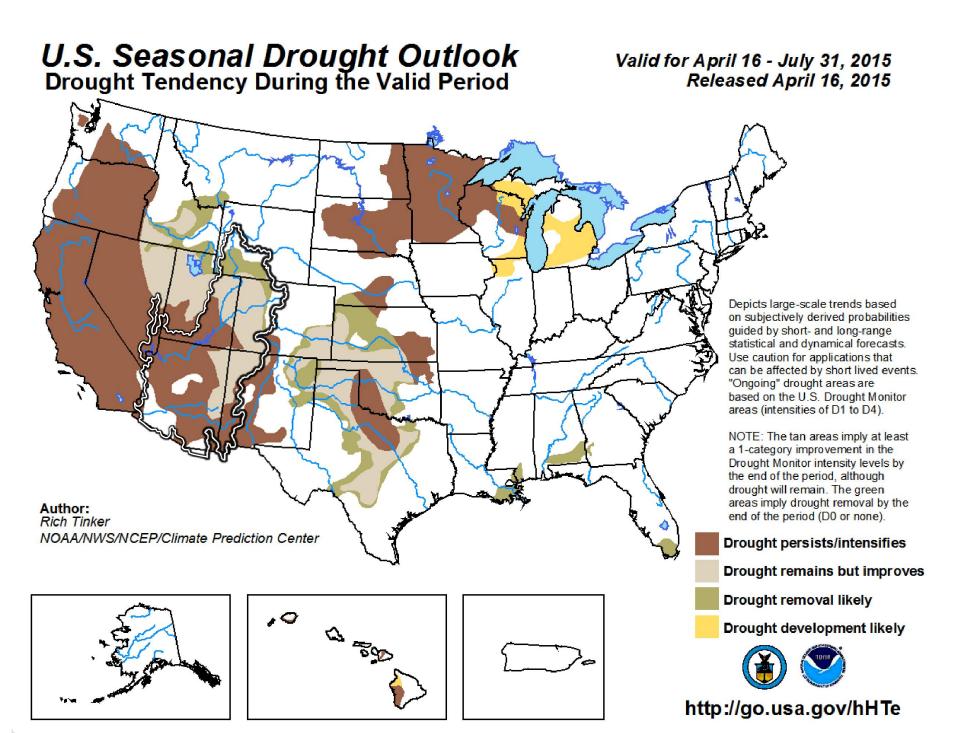
D0 - Abnormally Dry

D1 - Moderate Drought

D2 - Severe Drought

D3 - Extreme Drought

D4 - Exceptional Drought



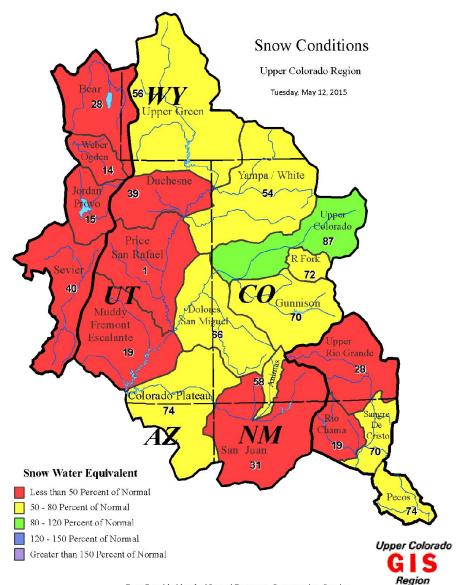
Precipitation and Snowpack

As of May 11, 2015

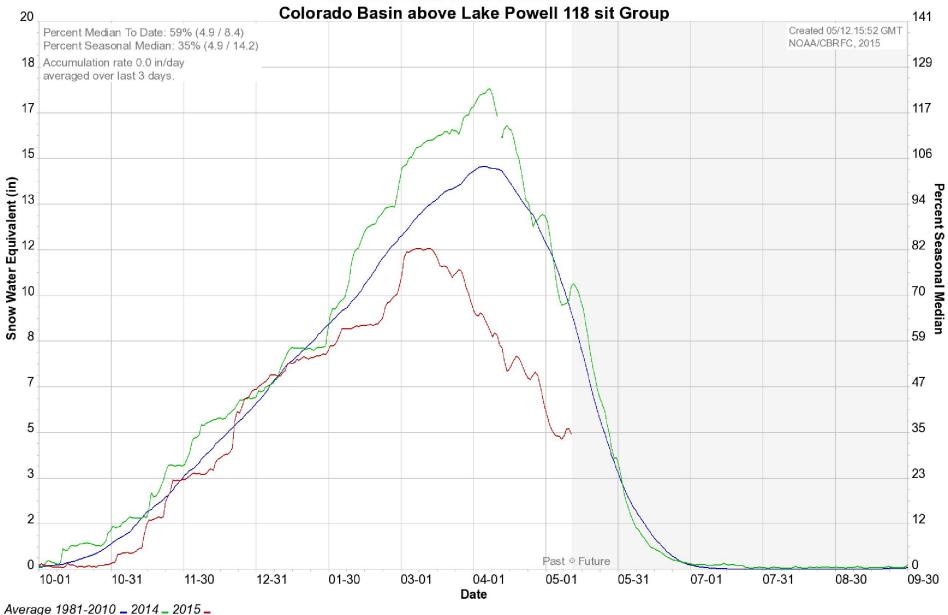
Upper Colorado Basin

WY 2015 Precip to Date: 79% (17.6")

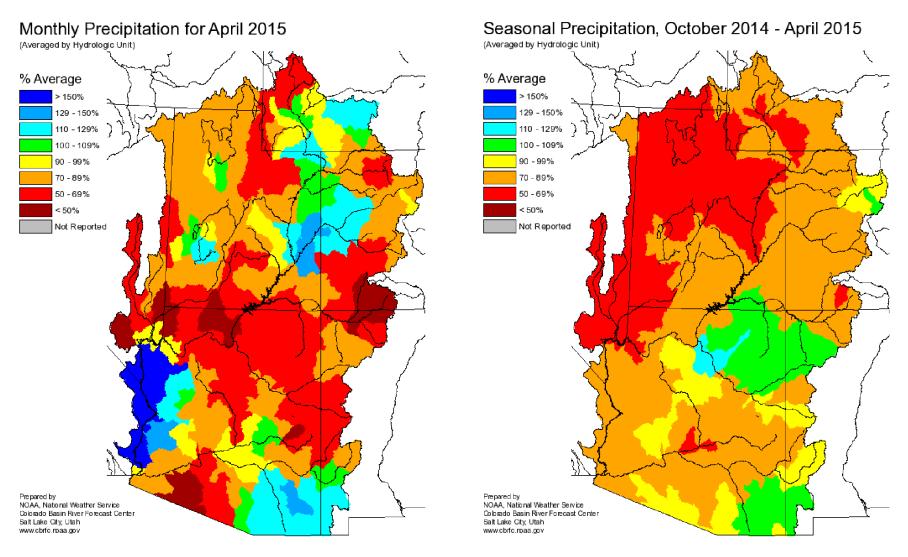
Current Basin Snowpack: 55% (7.3")



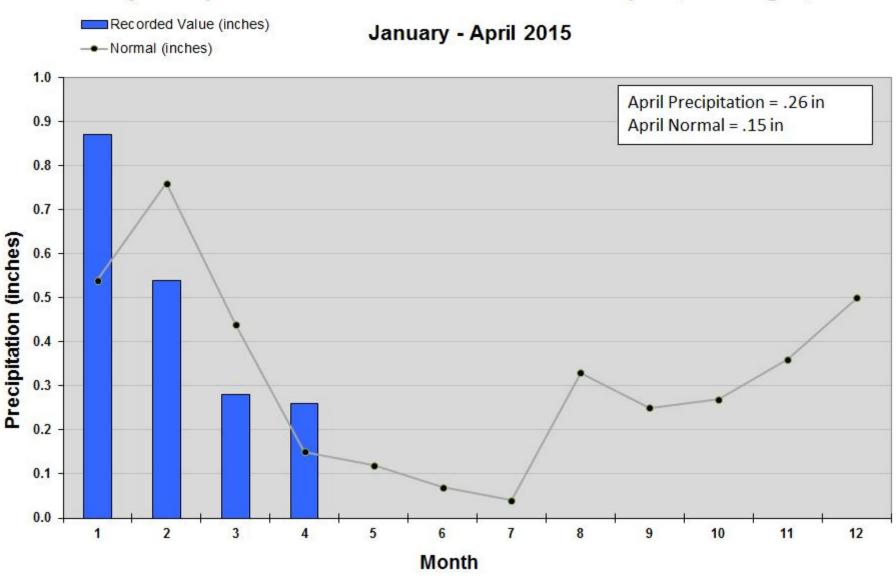
Colorado Basin River Forecast Center



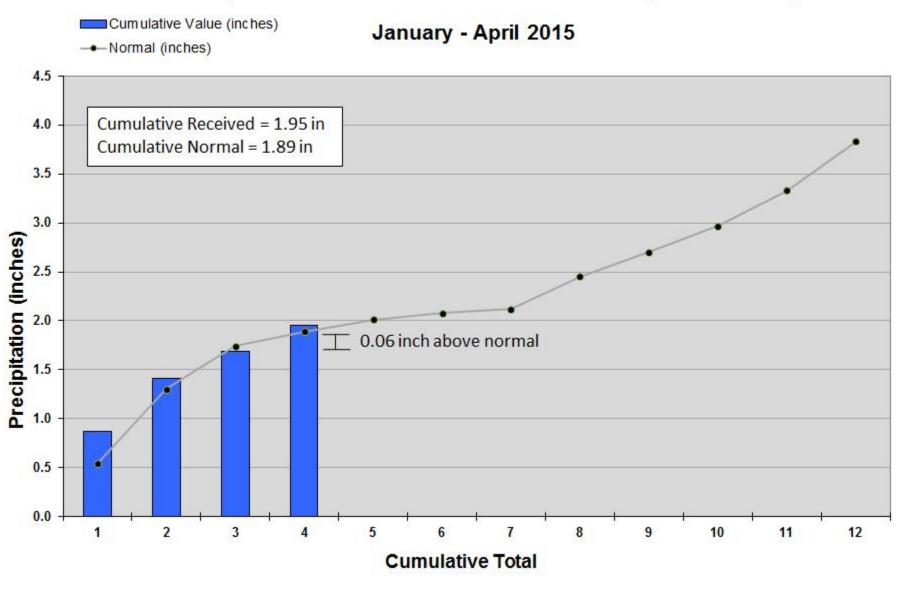
Upper Basin Precipitation



Monthly Precipitation at McCarran International Airport, Las Vegas, NV



Cumulative Precipitation at McCarran International Airport, Las Vegas, NV



Water Use in Southern Nevada



Water Use in Southern Nevada

January – March 2015

2015*: Consumptive Use = 28,630 af

2014*: Consumptive Use = 30,136 af

Difference = -1,506 af

*Subject to final accounting.

Colorado River Commission of Nevada

Questions?

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