Colorado River Commission of Nevada

Natural Resources Group Hydrologic Update August 11, 2015





Unregulated Inflow Into Lake Powell

As of August 10, 2015

	MAF*	% Avg**
• WY 2015 (forecast):	10.34	95%
April-July 2015 (forecast):	6.71	94%
• July (observed):	1.07	98%
August (forecasted):	0.40	80%

*MAF=Million Acre-Feet

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



Storage Conditions

As of August 10, 2015

Percent of	=
Capacity	

<u>Δ from last year</u>

Lake Mead elev.

1078.29 ft

38%

1.99 ft

Lake Powell elev.

3,612.02 ft

53%

1 4.46 ft

Total System Storage (8/2015) 31.28 maf

53%

3.0

0.87 maf

Total System Storage (8/2014) 30.41 maf

51%



Reservoir Storage

As of August 2, 2015

Colorado River Reservoir Storages

Basin	Reservoir	Max Storage	*Current Storage	Percentage	Current Storage subtotals
	Crystal Reservoir	17,356	16,234	94%	
Upper Basin	Flaming Gorge	3,749,000	3,529,706	94%	
	Fontenelle	344,800	313,532	91%	6,240,191
	Morrow Point	117,190	113,337	97%	0,240,131
	Blue Mesa	829,500	805,014	97%	
	Navajo	1,696,000	1,462,368	86%	
	Lake Powell	24,322,000	13,033,624	54%	
Lower Basin	Lake Mead	26,120,000	9,870,000	38%	
	Lake Mohave	1,809,800	1,694,900	94%	2,277,000
	Lake Havasu	619,400	582,100	94%	
	TOTAL	59,625,046	31,420,815	53%	

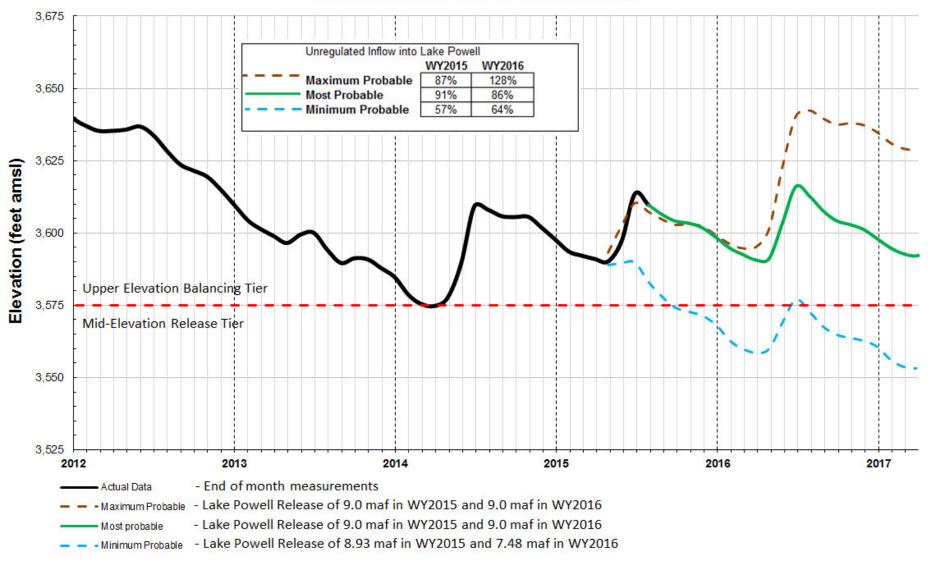
^{*}Data current as 8/2/2015

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

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

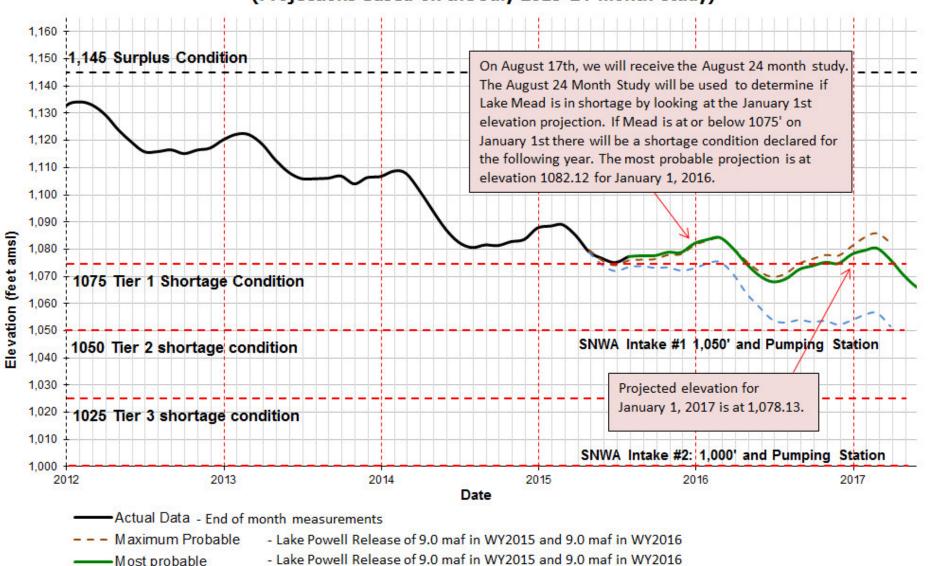
Lake Powell End of Month Elevations

(based on July 2015 24-month Study)



Lake Mead End of Month Elevation Projections

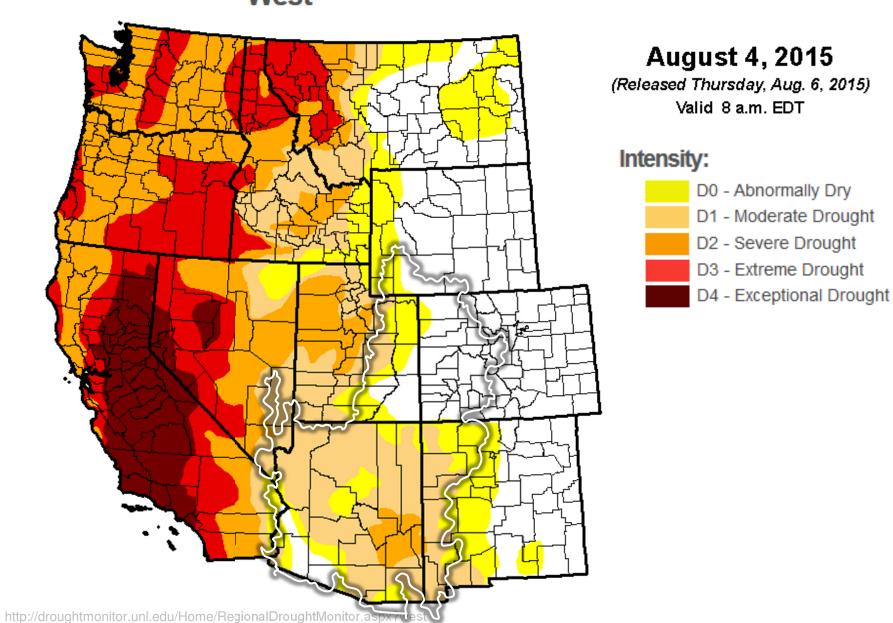
(Projections based on the July 2015 24-month study)



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

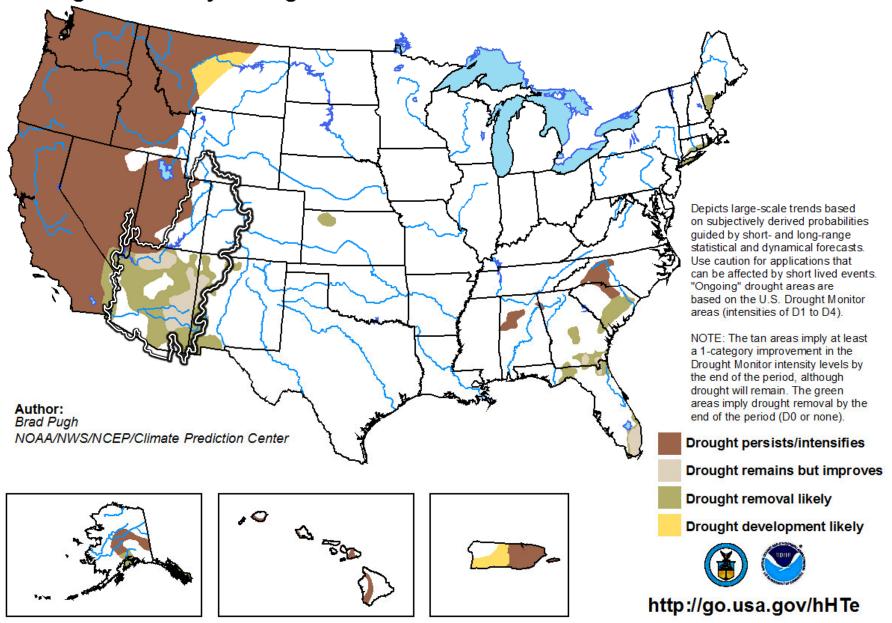
– – Minimum Probable

U.S. Drought Monitor West



U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period

Valid for July 16 - October 31, 2015 Released July 16, 2015



Precipitation – Colorado River Basin

As of August 10, 2015

<u>Upper Colorado</u> Basin

94% (25.9")

WY Precip to Date

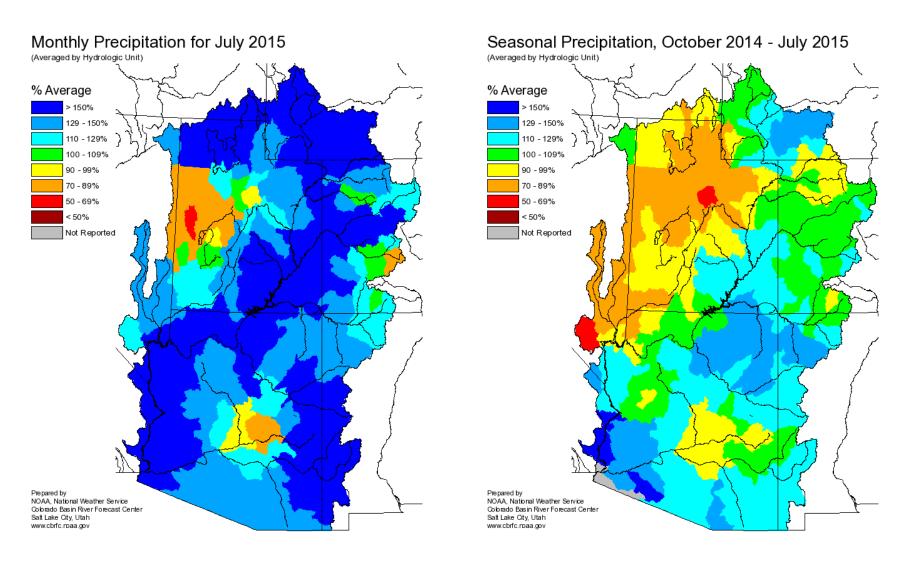
Current Basin Snowpack

NA

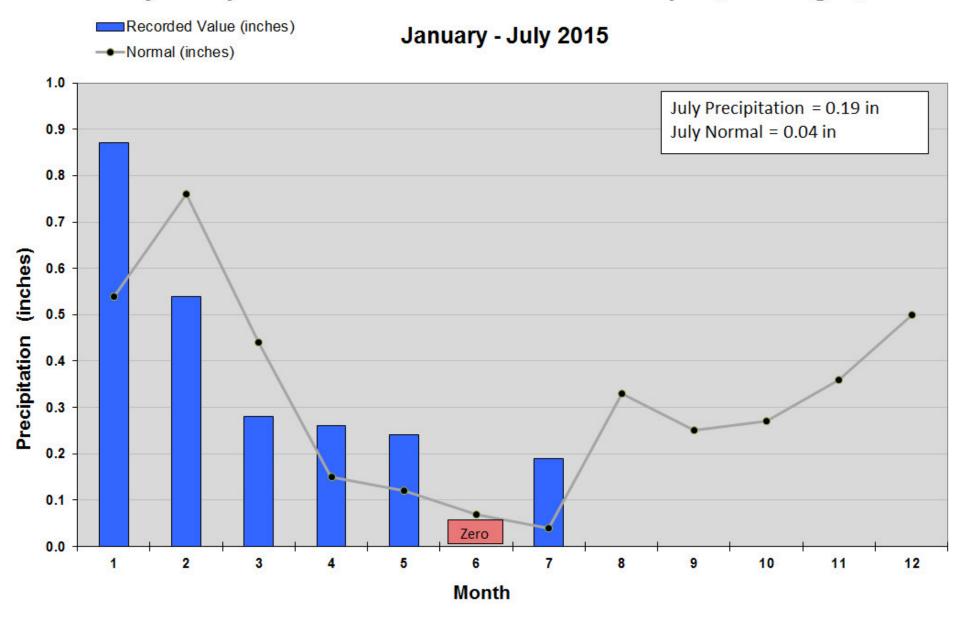
(Avg 1981-2010)



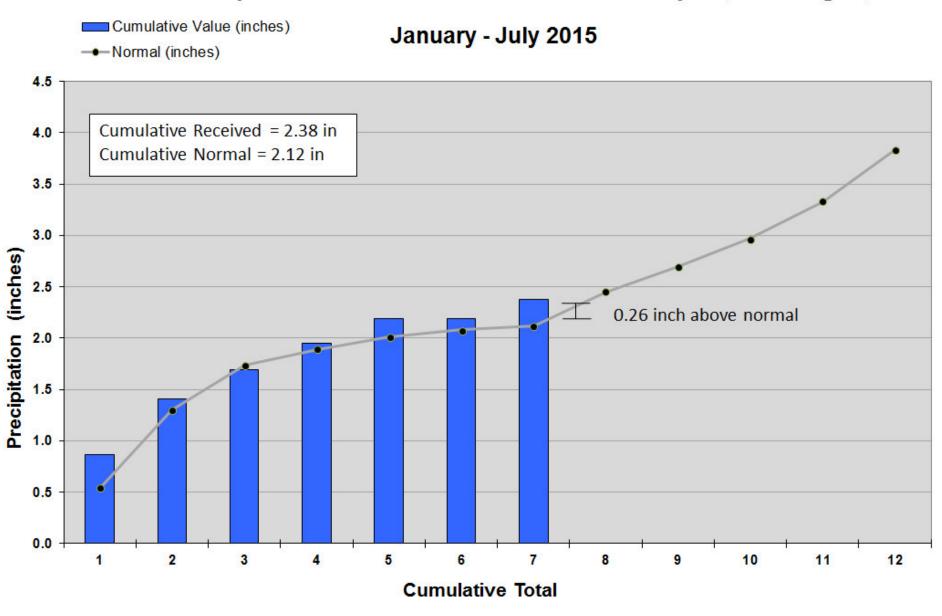
Precipitation



Monthly Precipitation at McCarran International Airport, Las Vegas, NV

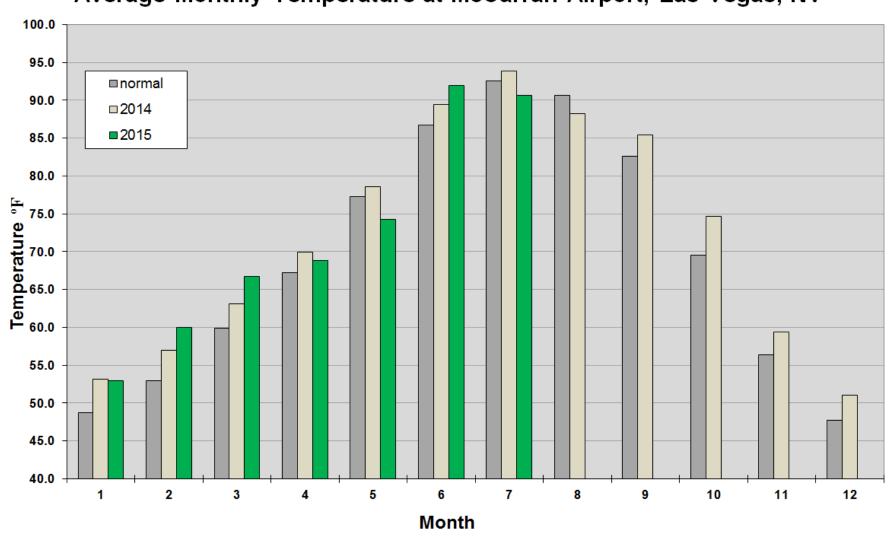


Cumulative Precipitation at McCarran International Airport, Las Vegas, NV



Las Vegas Average Temperature

Average Monthly Temperature at McCarran Airport, Las Vegas, NV



Water Use in Southern Nevada



Water Use in Southern Nevada

January – June 2015

2015*: Consumptive Use = 100,338 af

2014*: Consumptive Use = 109,285 af

Difference = -8,947 af

*Subject to final accounting.

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Questions?

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