Colorado River Commission of Nevada

Natural Resources Group Hydrologic Update September 8, 2015





Unregulated Inflow Into Lake Powell

As of August 31, 2015

	MAF*	% Avg**
• WY 2015 (forecast):	10.19	94%
April-July 2015 (observed):	6.71	94%
August (observed):	0.31	62%
• September (forecasted):	0.30	74%

*MAF=Million Acre-Feet

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



Storage Conditions

As of August 31, 2015

Percent of	
Capacity	

<u>Δ from last year</u>

Lake Mead elev.

1078.24 ft

38%

____ 3.31 ft

Lake Powell elev.

3,609.16 ft

52%

3.34 ft

Total System Storage (8/2015) 30.88 maf

52%

0.6

0.65 maf

Total System Storage (8/2014) 30.23 maf

51%







Reservoir Storage

As of August 31, 2015

Colorado River Reservoir Storages

Colorado Kive	Reservoir Storages				
Basin	Reservoir	Max Storage	*Current Storage	Percentage	Current Storage subtotals
Upper Basin	Crystal Reservoir	17,356	15,928	92%	
	Flaming Gorge	3,749,000	3,498,487	93%	
	Fontenelle	344,800	279,446	81%	6,099,332
	Morrow Point	117,190	112,009	96%	
	Blue Mesa	829,500	773,539	93%	
	Navajo	1,696,000	1,419,923	84%	
	Lake Powell	24,322,000	12,645,933	52%	
Lower Basin	Lake Mead	26,120,000	9,871,000	38%	
	Lake Mohave	1,809,800	1,674,700	93%	2,260,500
	Lake Havasu	619,400	585,800	95%	
	TOTAL	59,625,046	30,876,765	52%	

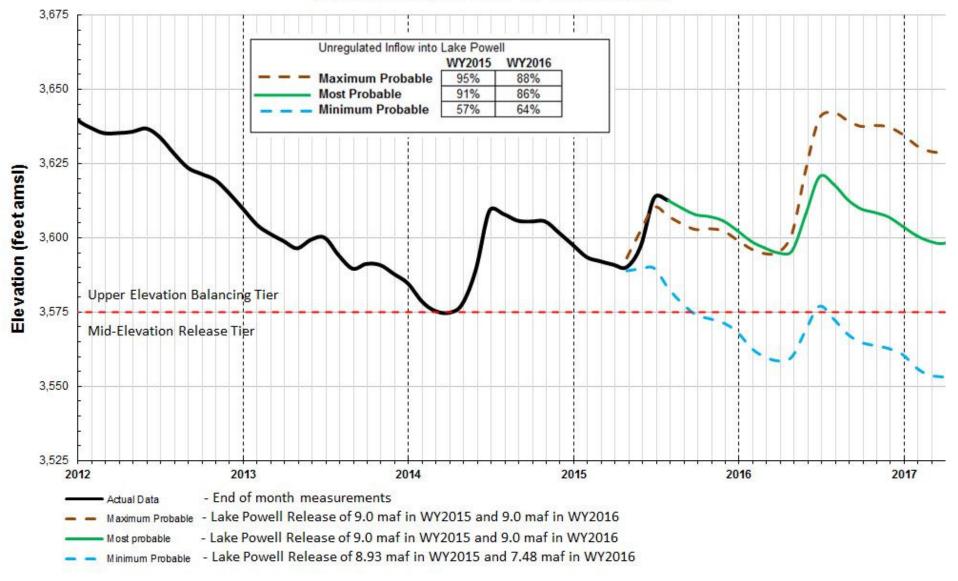
^{*}Data current as 9/1/2015

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

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

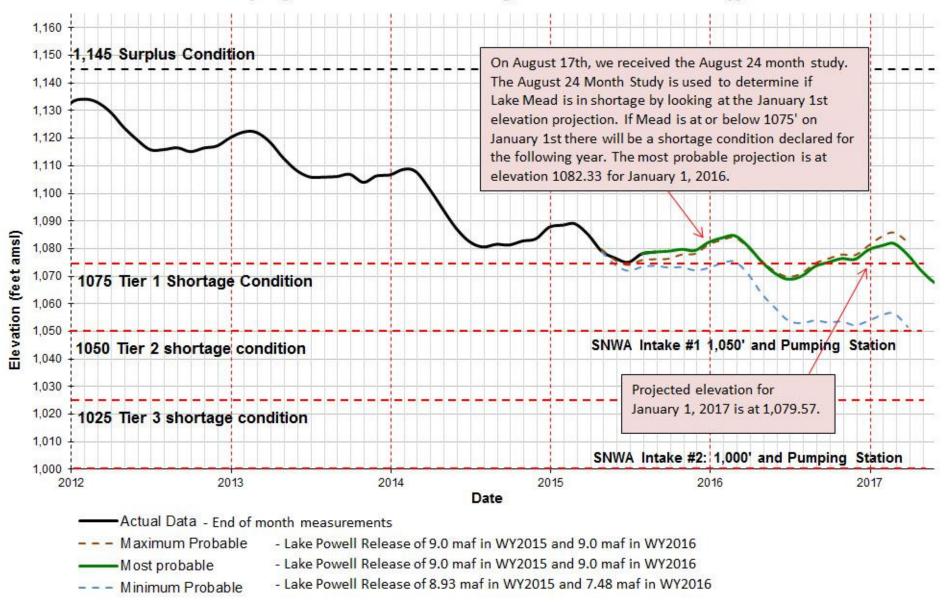
Lake Powell End of Month Elevations

(based on August 2015 24-month Study)

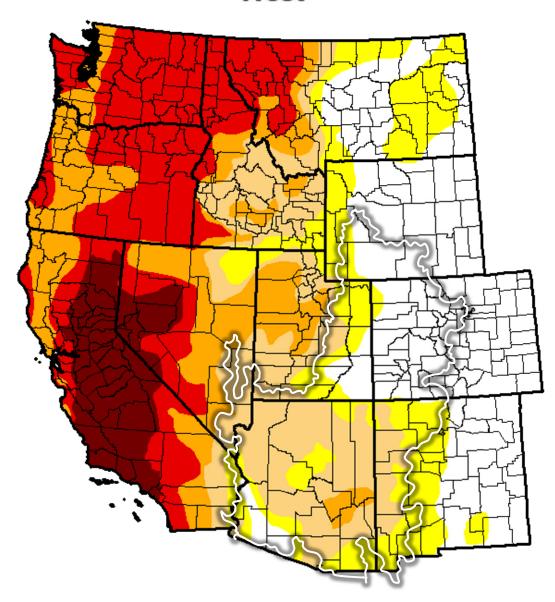


Lake Mead End of Month Elevation Projections

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



U.S. Drought Monitor West



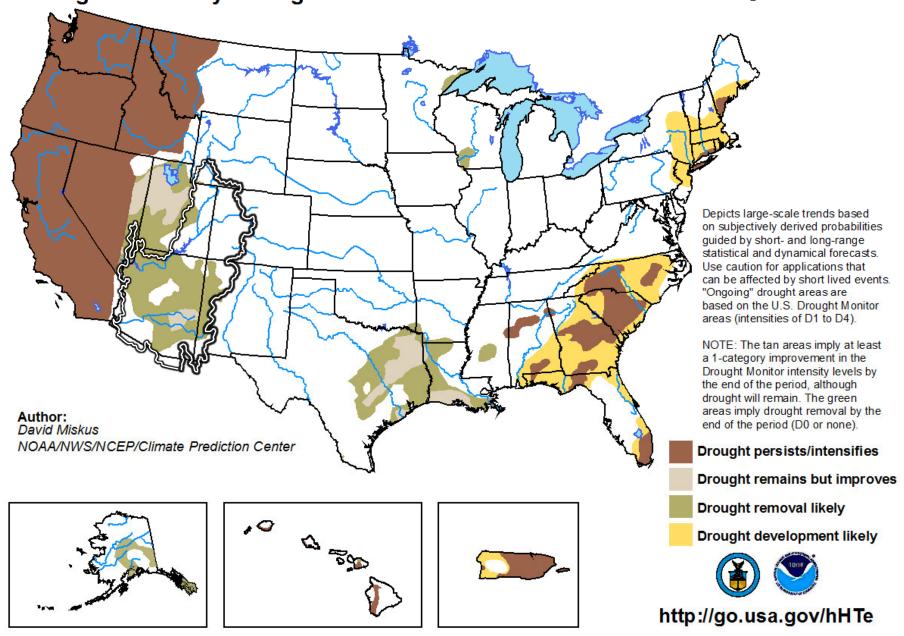
August 25, 2015

(Released Thursday, Aug. 27, 2015) Valid 8 a.m. EDT

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
 - D4 Exceptional Drought

U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period Valid for August 20 - November 30, 2015 Released August 20, 2015



Precipitation – Colorado River Basin

As of August 31, 2015

<u>Upper Colorado</u> Basin

92% (26.7")

WY Precip to Date

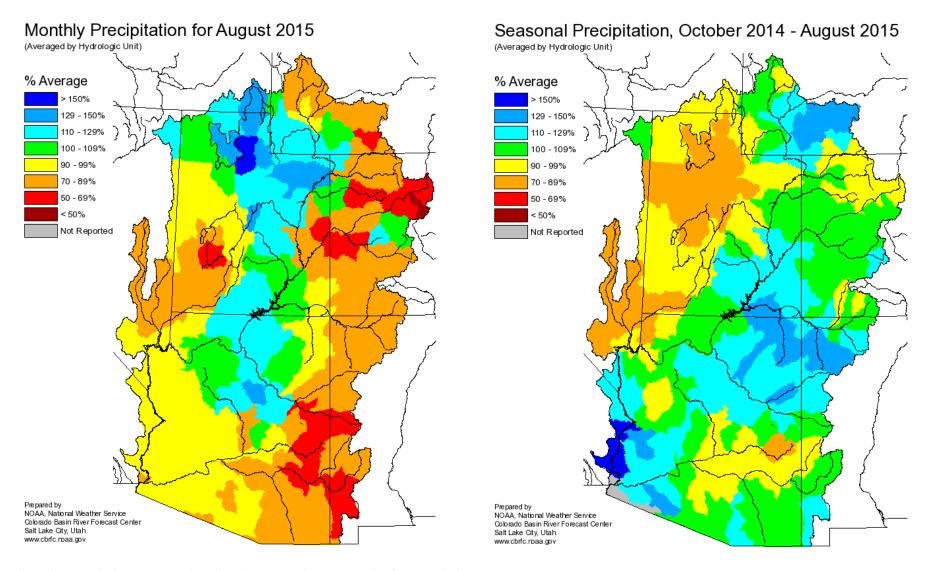
Current Basin Snowpack

NA

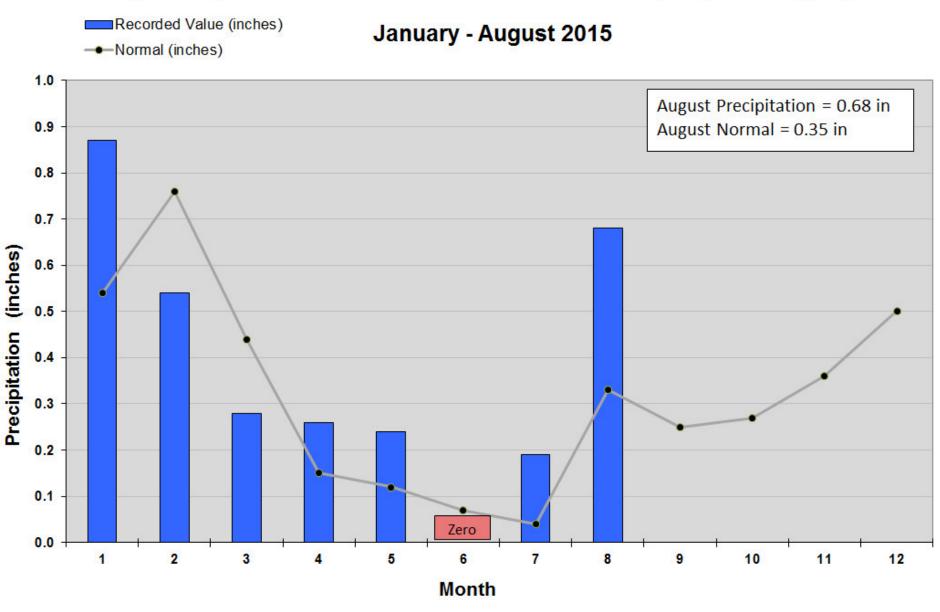
(Avg 1981-2010)



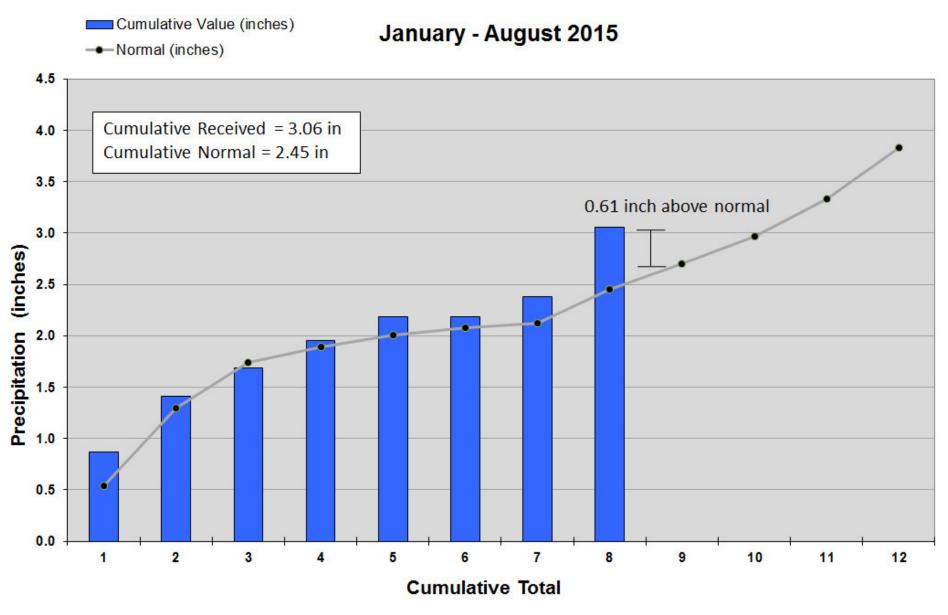
Precipitation



Monthly Precipitation at McCarran International Airport, Las Vegas, NV

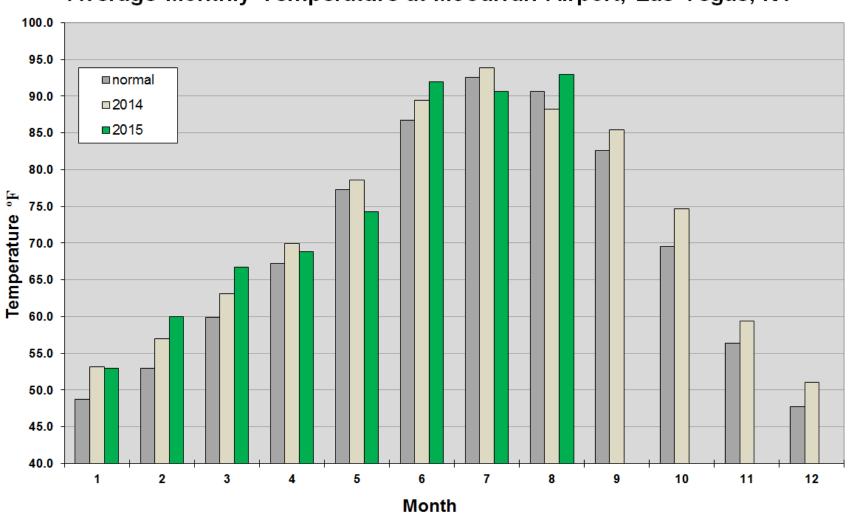


Cumulative Precipitation at McCarran International Airport, Las Vegas, NV



Las Vegas Average Temperature

Average Monthly Temperature at McCarran Airport, Las Vegas, NV



Water Use in Southern Nevada



Water Use in Southern Nevada

January – July 2015

2015*: Consumptive Use = 129,307 af

2014*: Consumptive Use = 136,971 af

Difference = -7,664 af

*Subject to final accounting.

Colorado River Commission of Nevada

Questions?

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