Colorado River Commission of Nevada

Natural Resources Group Hydrologic Update November 10, 2015





Unregulated Inflow Into Lake Powell

As of November 2, 2015

	MAF*	% Avg**
• WY 2015 (observed):	10.17	94%
April-July 2015 (observed):	6.71	94%
October (observed):	0.54	104%
 November (forecasted): 	0.40	85%

*MAF=Million Acre-Feet

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



Storage Conditions

As of November 9, 2015

<u>Δ from last year</u>

Lake Mead elev.

1079.14 ft

38%

3.11 ft

Lake Powell elev.

3,606.35 ft

51%

1.01 ft

Total System

Storage (11/2015)

30.12 maf

51%

0.22 maf

Total System Storage (11/2014) 29.90 maf

50%









Reservoir Storage

As of November 8, 2015

Colorado River Reservoir Storages

Basin	Reservoir	Max Storage	*Current Storage	Percentage	Current Storage subtotals
Upper Basin	Crystal Reservoir	17,356	16,545	95%	5,778,714
	Flaming Gorge	3,749,000	3,360,203	90%	
	Fontenelle	344,800	235,522	68%	
	Morrow Point	117,190	97,769	83%	
	Blue Mesa	829,500	673,229	81%	
	Navajo	1,696,000	1,395,446	82%	
	Lake Powell	24,322,000	12,367,397	51%	
Lower Basin	Lake Mead	26,120,000	9,940,000	38%	
	Lake Mohave	1,809,800	1,483,600	82%	2,033,800
	Lake Havasu	619,400	550,200	89%	
	TOTAL	59,625,046	30,119,911	51%	

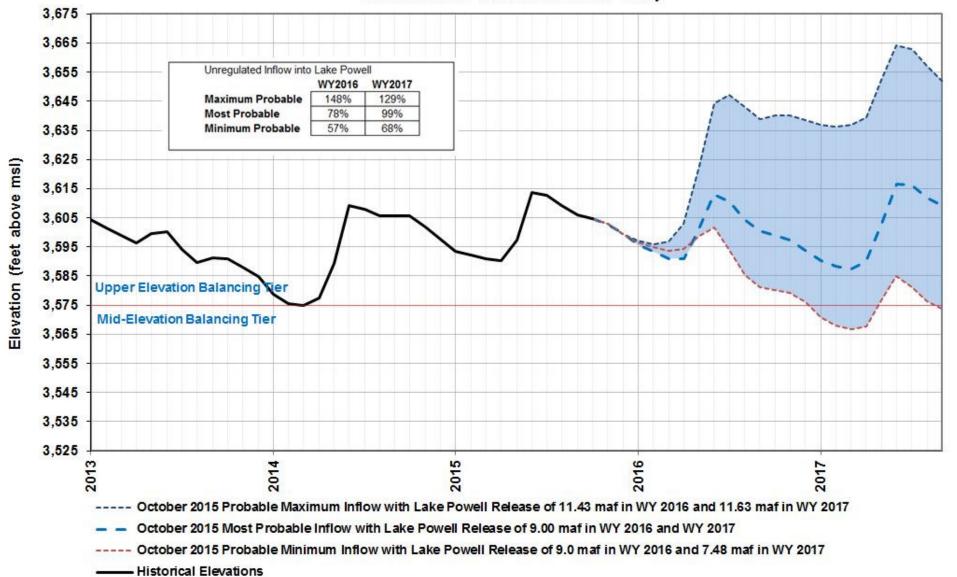
^{*}Data current as 11/8/2015

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

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

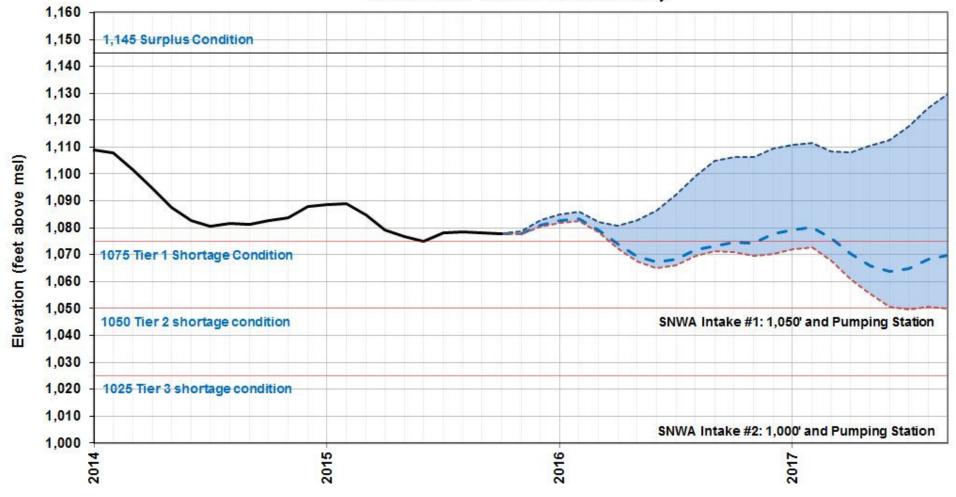
Lake Powell Projections

Reclamation's October 24-Month Study



Lake Mead Projections

Reclamation's October 24-Month Study



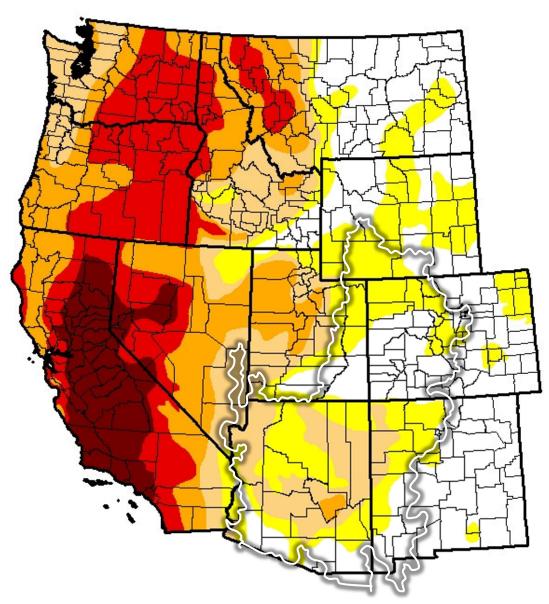
---- October 2015 Probable Maximum Inflow with Lake Powell Release of 11.43 maf in WY 2016 and 11.63 maf in WY 2017

October 2015 Most Probable Inflow with Lake Powell Release of 9.00 maf in WY 2016 and WY 2017

---- October 2015 Probable Minimum Inflow with Lake Powell Release of 9.0 maf in WY 2016 and 7.48 maf in WY 2017

—— Historical Elevations

U.S. Drought Monitor West



November 3, 2015

(Released Thursday, Nov. 5, 2015)
Valid 7 a.m. EST

Intensity:



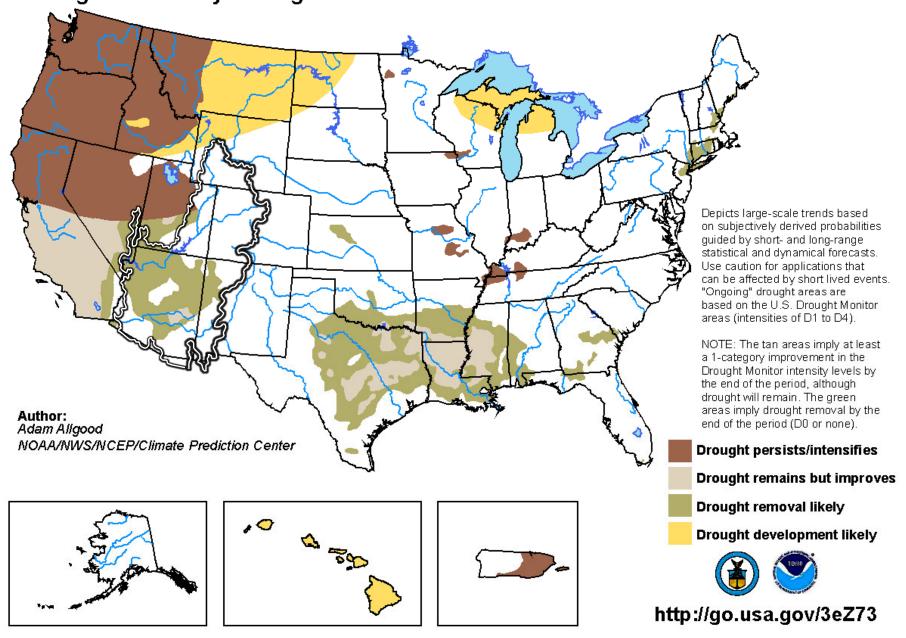


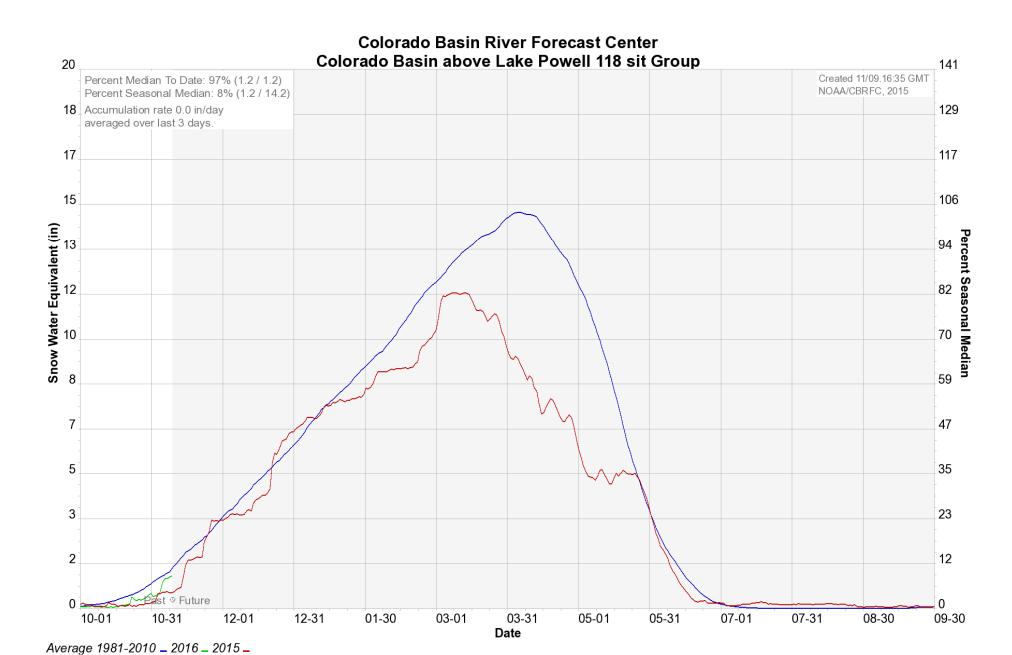




U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period

Valid for October 15 - January 31, 2016 Released October 15, 2015





Precipitation – Colorado River Basin

As of November 9, 2015

<u>Upper Colorado</u> Basin

WY Precip to Date 94% (3.2")

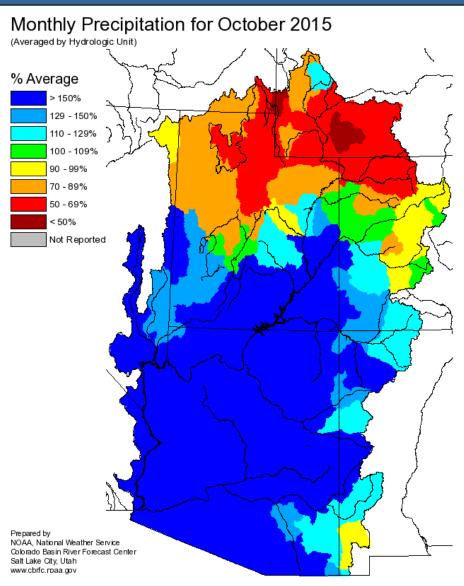
Current Basin Snowpack

NA

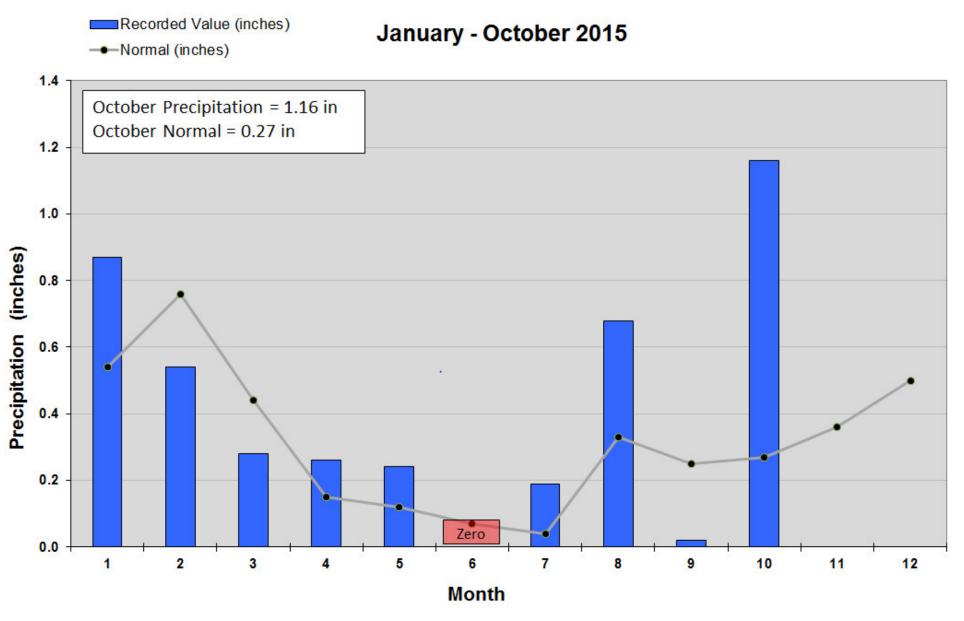
(Avg 1981-2010)



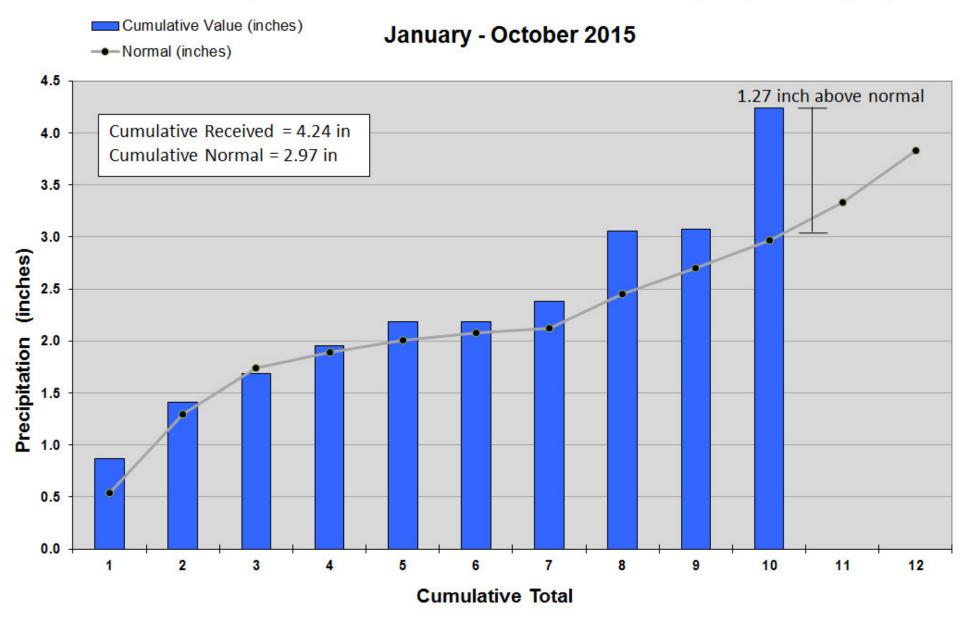
Precipitation



Monthly Precipitation at McCarran International Airport, Las Vegas, NV

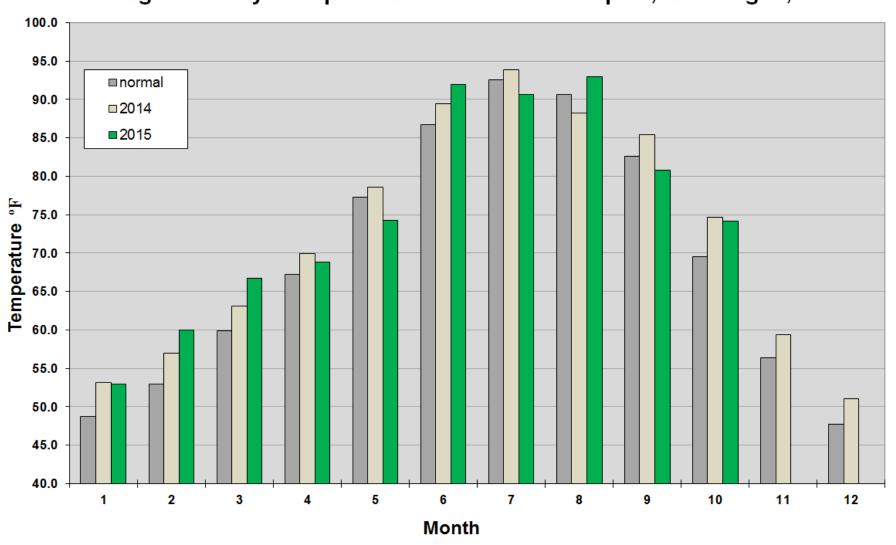


Cumulative Precipitation at McCarran International Airport, Las Vegas, NV

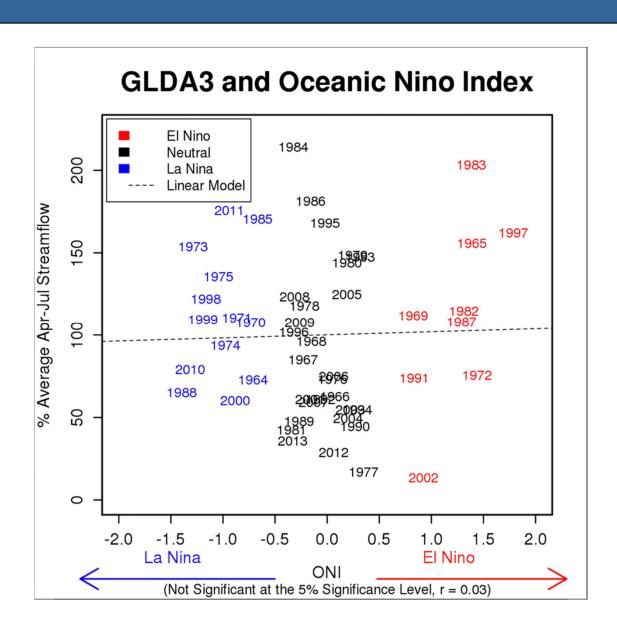


Las Vegas Average Temperature

Average Monthly Temperature at McCarran Airport, Las Vegas, NV



El-Nino Inflow to Lake Powell



Water Use in Southern Nevada



Water Use in Southern Nevada

January – September 2015

2015*: Consumptive Use = 181,697 af

2014: Consumptive Use = 180,341 af

Difference = 1,356 af

*Subject to final accounting.



Colorado River Commission of Nevada

Questions?

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