Colorado River Commission of Nevada

Natural Resources Group Hydrologic Update March 10, 2015





Unregulated Inflow



Unregulated Inflow Into Lake Powell

As of March 9, 2015

	MAF*	% Avg**
• WY 2015 (forecast):	8.61	79%
April-July 2015 (forecast):	5.10	71%
• February (observed):	0.42	108%
March (forecasted):	0.53	80%

*MAF=Million Acre-Feet

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



Storage Conditions

As of March 9, 2015

Percent c	of
Capacity	<u>/</u>

<u>Δ from last year</u>

Lake Mead elev.

1087.98 ft

41%

18.63 ft

Lake Powell elev.

3,592.11 ft

45%

16.58 ft

Total System Storage (3/2015) 29.20 maf

49%



Total System Storage (3/2014) 28.72 maf

48%









Reservoir Storage

As of March 9, 2015

Colorado River Reservoir Storages

Basin	Reservoir	Max Storage	*Current Storage	Percentage	Current Storage subtotals
Upper Basin	Crystal Reservoir	17,356	16,743	96%	
	Flaming Gorge	3,749,000	3,198,422	85%	
	Fontenelle	344,800	202,238	59%	5,172,251
	Morrow Point	117,190	109,635	94%	5,1/2,251
	Blue Mesa	829,500	546,604	66%	
	Navajo	1,696,000	1,098,609	65%	
	Lake Powell	24,322,000	11,015,346	45%	
Lower Basin	Lake Mead	26,120,000	10,683,000	41%	
	Lake Mohave	1,809,800	1,740,300	96%	2,330,000
	Lake Havasu	619,400	589,700	95%	
	TOTAL	59,625,046	29,200,597	49%	

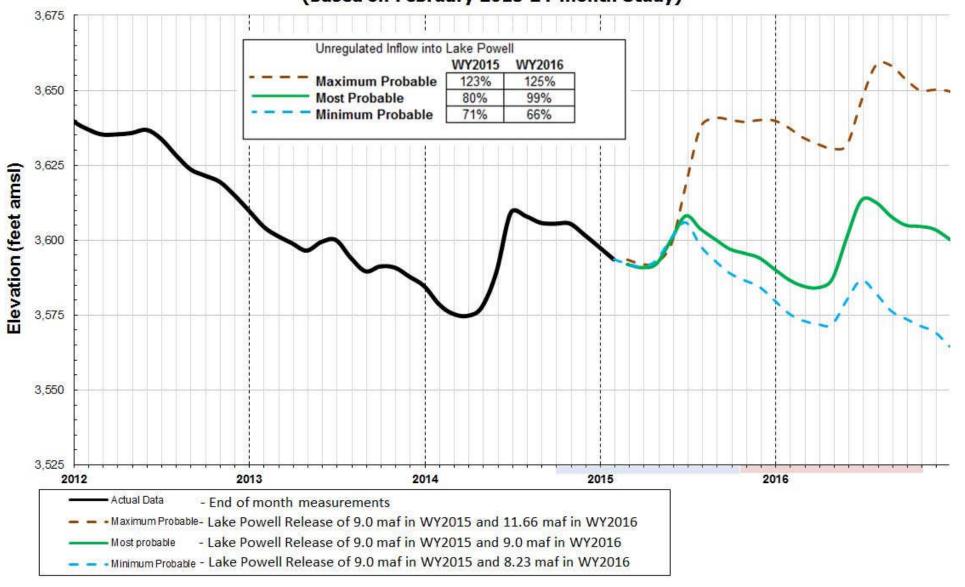
^{*}Data current as 3/9/2015

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

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

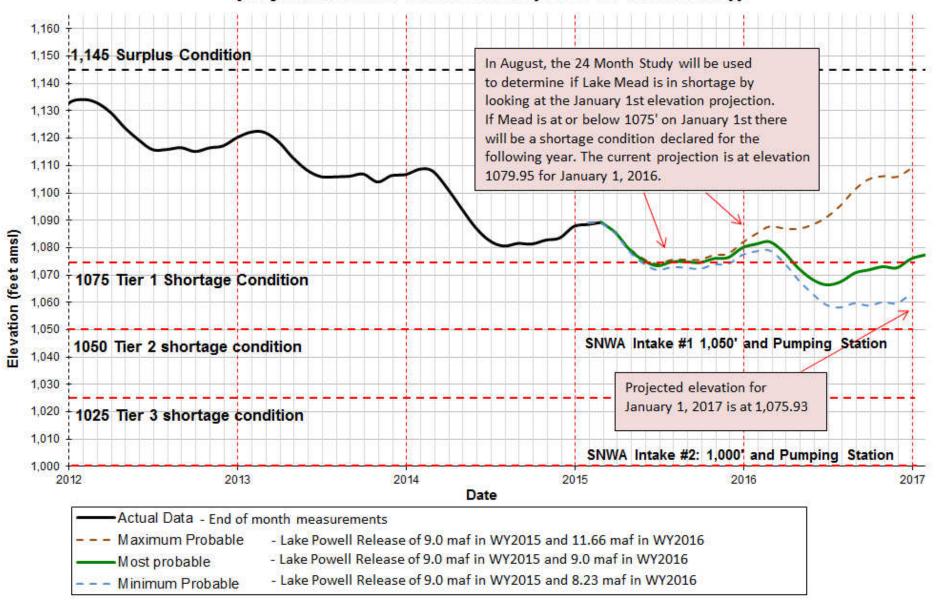
Lake Powell End of Month Elevations

(based on February 2015 24-month Study)



Lake Mead End of Month Elevation Projections

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



Drought and Precipitation



Precipitation – Colorado River Basin

As of March 9, 2015

<u>Upper Colorado</u> Basin

WY 2015 Precip to Date

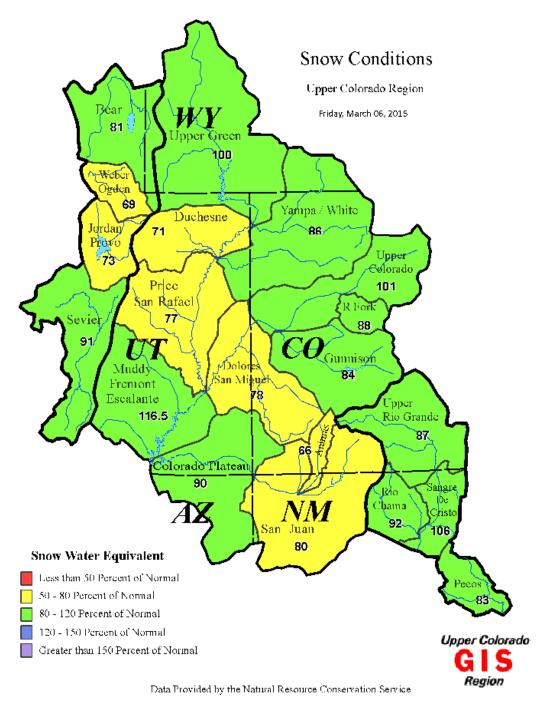
83% (12.8")

Current Basin Snowpack

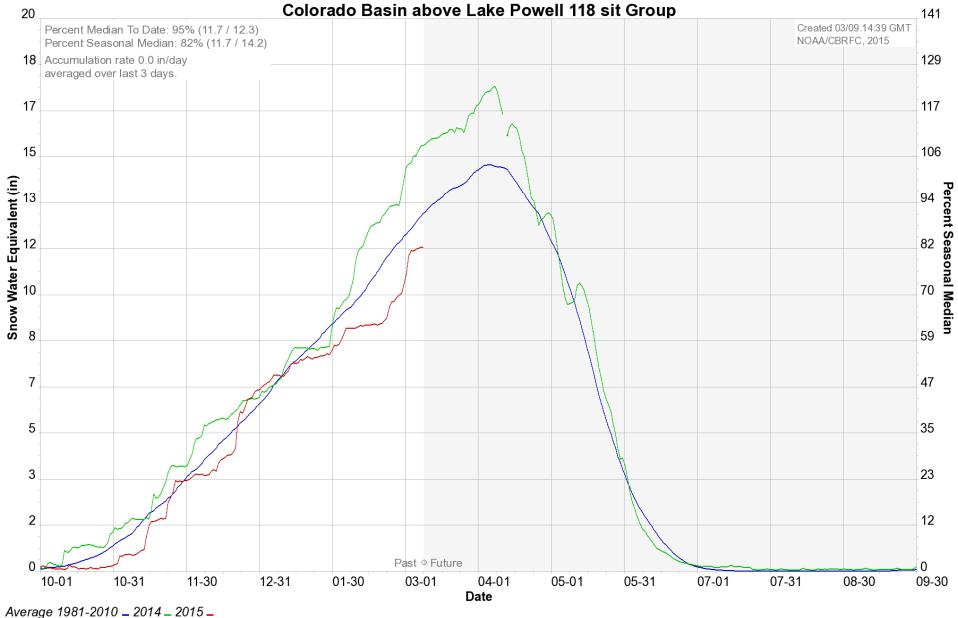
87% (11.8")

(Avg 1981-2010)

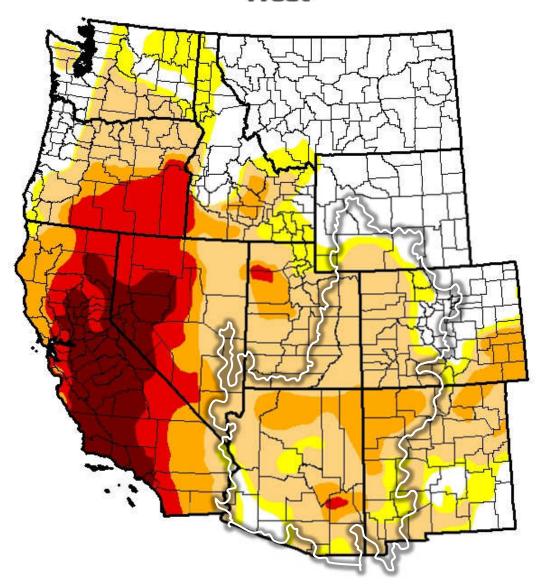




Colorado Basin River Forecast Center blorado Basin above Lake Powell 118 sit Group



U.S. Drought Monitor West



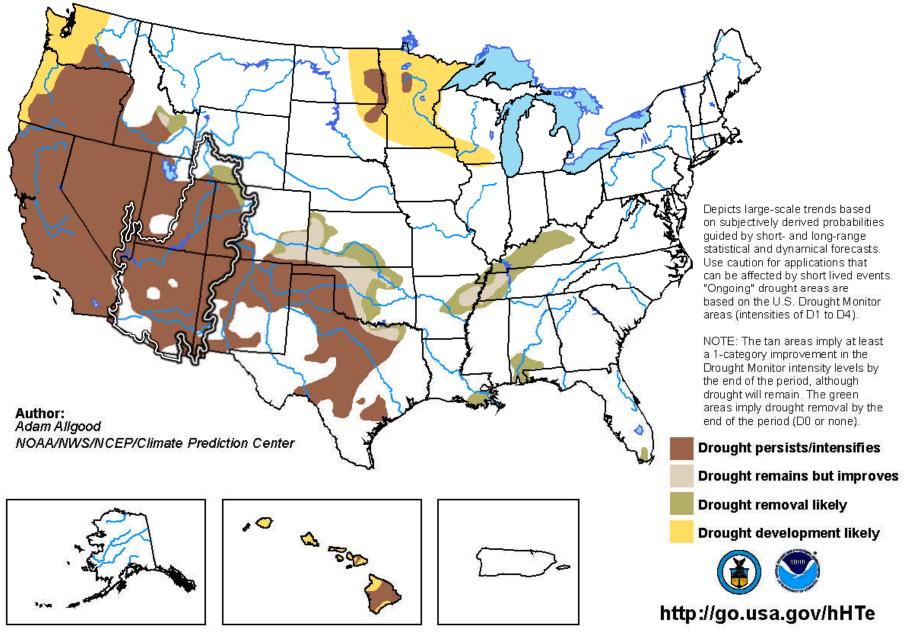
March 3, 2015 (Released Thursday March 5, 2015) Valid 7 a.m. EST

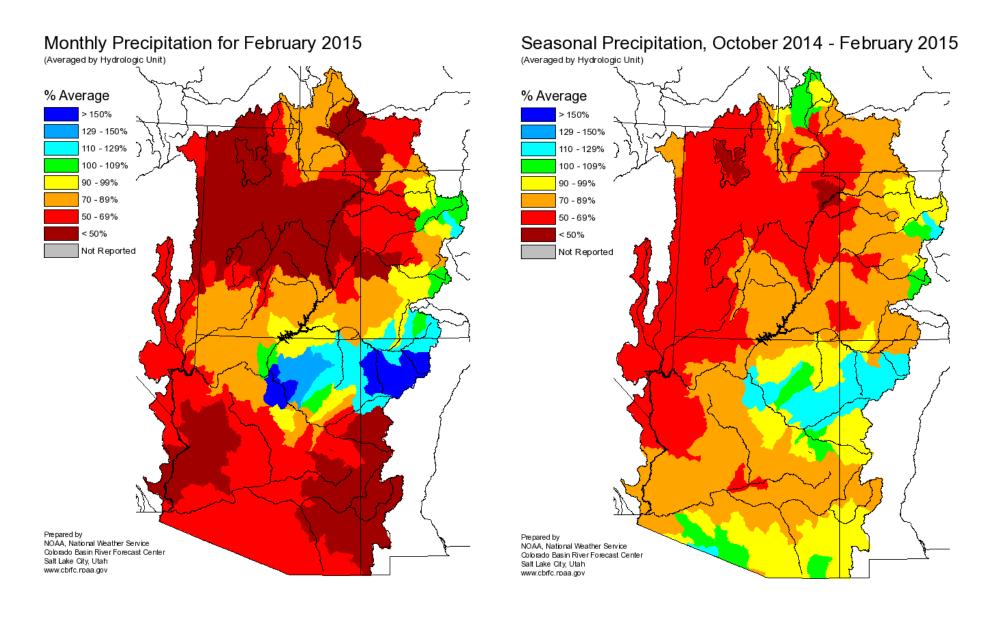
Intensity:

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

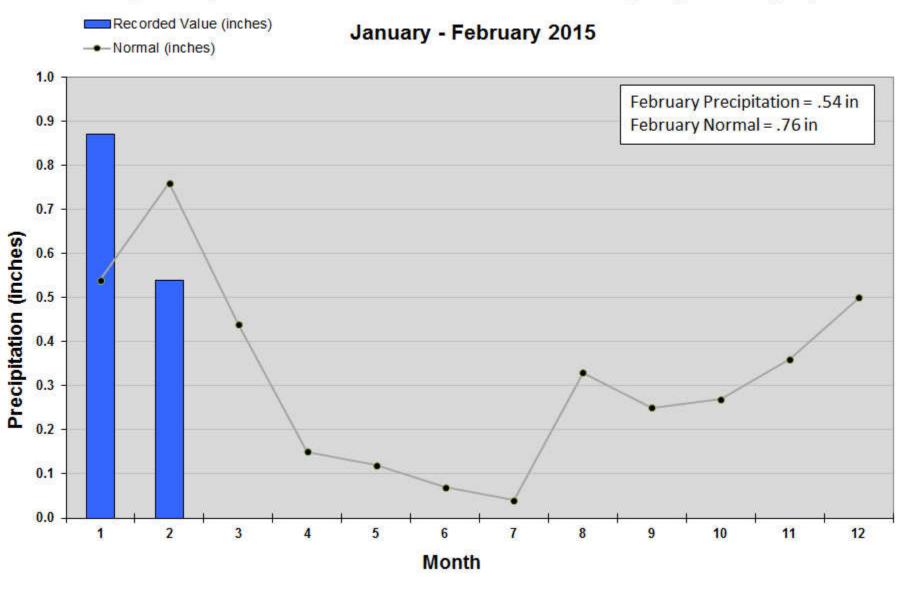
U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period

Valid for February 19 - May 31, 2015 Released February 19, 2015

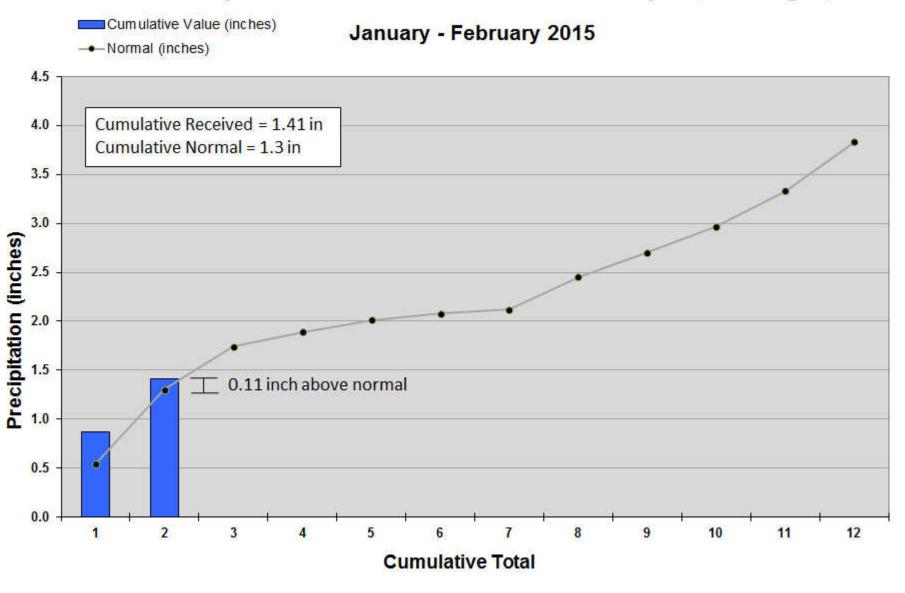




Monthly Precipitation at McCarran International Airport, Las Vegas, NV



Cumulative Precipitation at McCarran International Airport, Las Vegas, NV



Water Use in Southern Nevada



Water Use in Southern Nevada

January 2015

2015*: Consumptive Use = 6,146 af

2014*: Consumptive Use = 8,129 af

Difference = -1,983 af

*Subject to final accounting.

Colorado River Commission of Nevada

Questions?

Warren Turkett wturkett@crc.nv.gov



