Colorado River Commission of Nevada

Natural Resources Group Hydrologic Update April 8th, 2014





Unregulated Inflow



Unregulated Inflow Into Lake Powell

As of April 7, 2014

	MAF*	% Avg**
• WY 2014 (forecasted):	11.11	103%
• April-July 2014 (forecasted):	7.85	110%
March (observed):	0.51	76%
April (forecasted):	0.96	90%

*MAF=Million Acre-Feet

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



Storage Conditions

As of April 7, 2014

		Percent of <u>Capacity</u>	<u>Δ from last year</u>
Lake Mead elev.	1,100.38 ft	45%	7. 07 ft
Lake Powell elev.	3,574.50 ft	39%	23.79 ft
Total System Storage (4/2014)	28.05 maf	47%	3.68 maf
Total System	31.73 maf	53%	



Storage (4/2013)

Reservoir Storage

As of April 4, 2014

Colorado River Reservoir Storages

Basin	Reservoir	Max Storage	*Current Storage	Percentage	Current Storage subtotals
Upper Basin	Crystal Reservoir	17,356	13,842	80%	
	Flaming Gorge	3,749,000	2,923,842	78%	
	Fontenelle	344,800	118,539	34%	4,571,393
	Morrow Point	117,190	106,130	91%	
	Blue Mesa	829,500	410,702	50%	
	Navajo	1,696,000	998,338	59%	
	Lake Powell	24,322,000	9,483,164	39%	
Lower Basin	Lake Mead	26,120,000	11,830,000	45%	
	Lake Mohave	1,809,800	1,647,500	91%	2,224,000
	Lake Havasu	619,400	576,500	93%	
	TOTAL	59,625,046	28,108,557	47%	

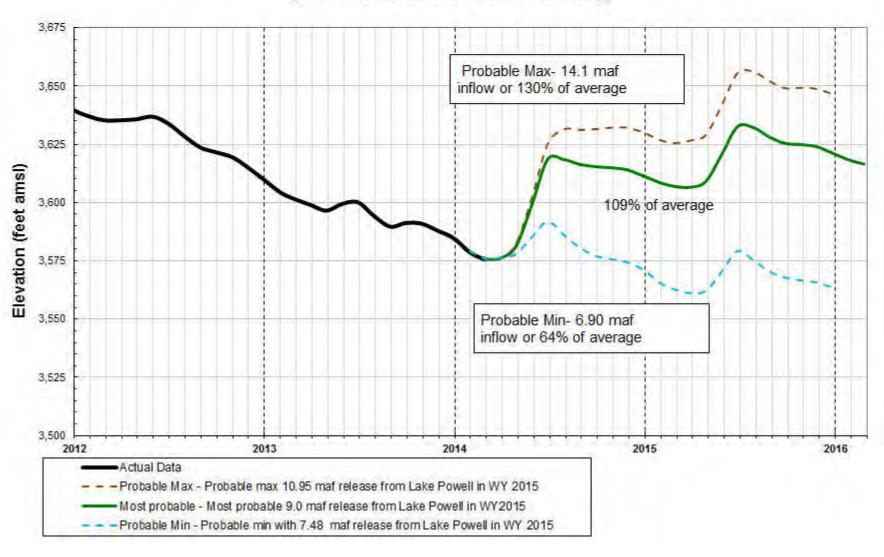
^{*}Data current as 4/4/2014

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

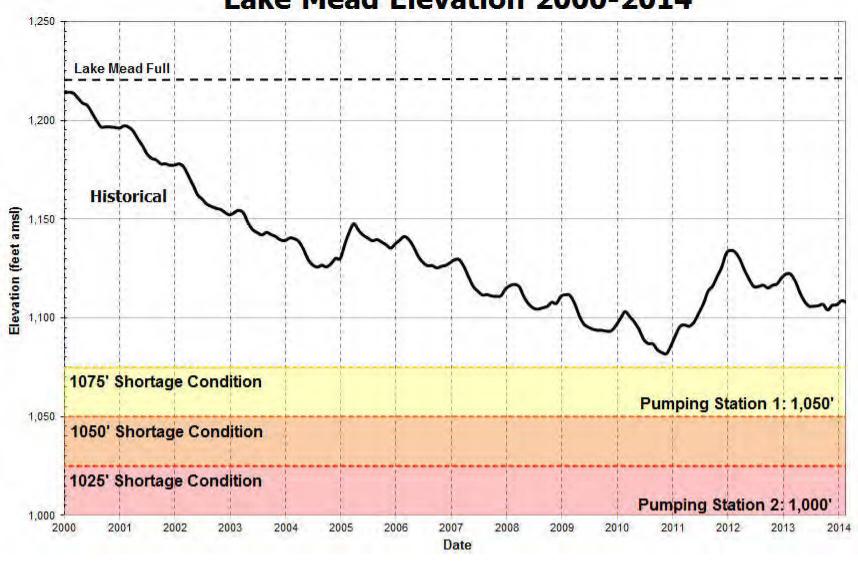
http://www.usbr.gov/uc/water/rsvrs/ops/r40day.html

Lake Powell End of Month Elevations

(based on March 2014 24-month Study)

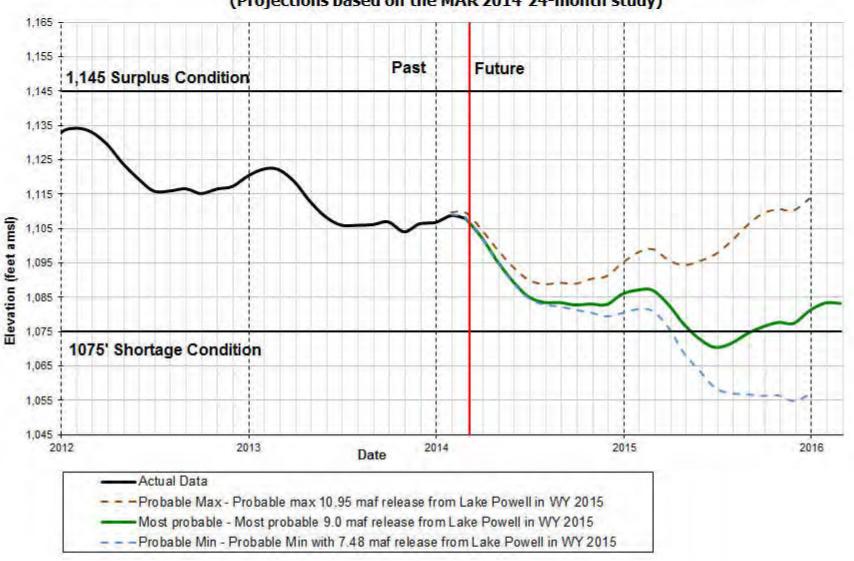






Lake Mead End of Month Elevation Projections

(Projections based on the MAR 2014 24-month study)



Drought and Precipitation



U.S. Drought Monitor West

April 1, 2014 (Released Thursday April 3, 2014) Valid 7 a.m. Eastern

Intensity:

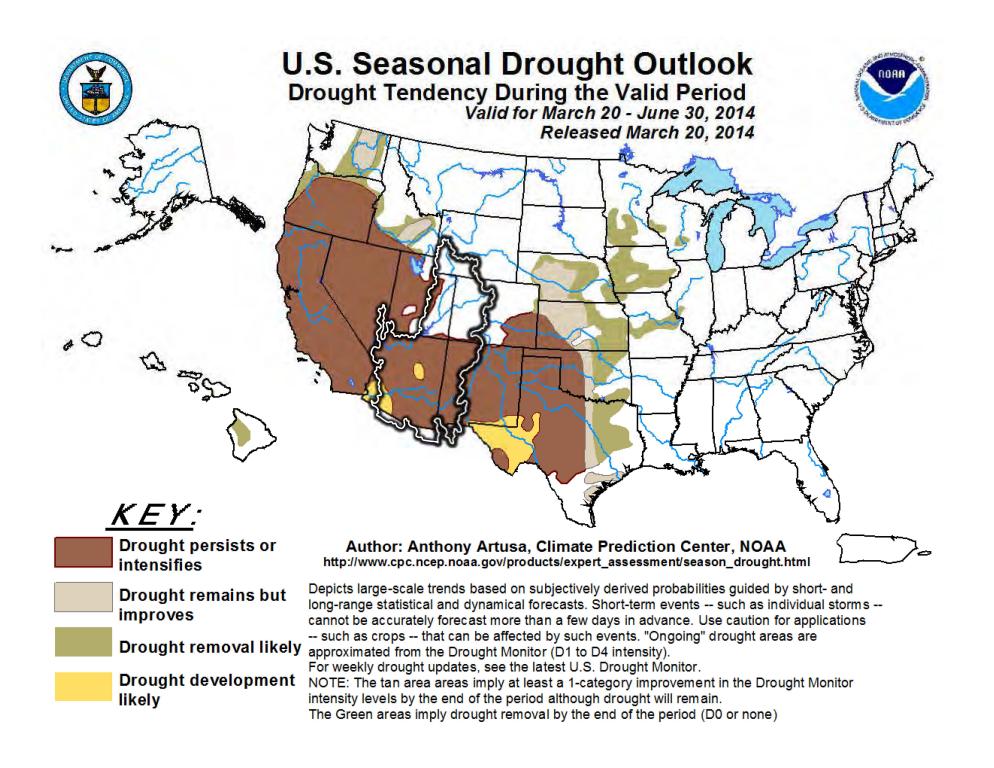
D0 - Abnormally Dry

D1 - Moderate Drought

D2 - Severe Drought

D3 - Extreme Drought

D4 - Exceptional Drought



Precipitation – Colorado River Basin

As of April 7, 2014

Upper Colorado

Basin

WY Precip to Date

101% (18.6")

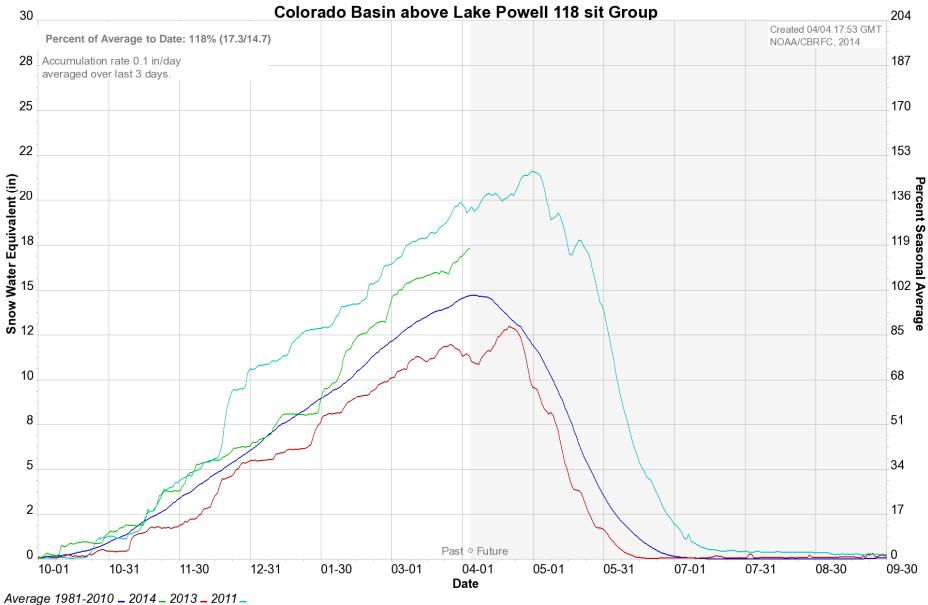
Current Basin Snowpack

113% (17.9")

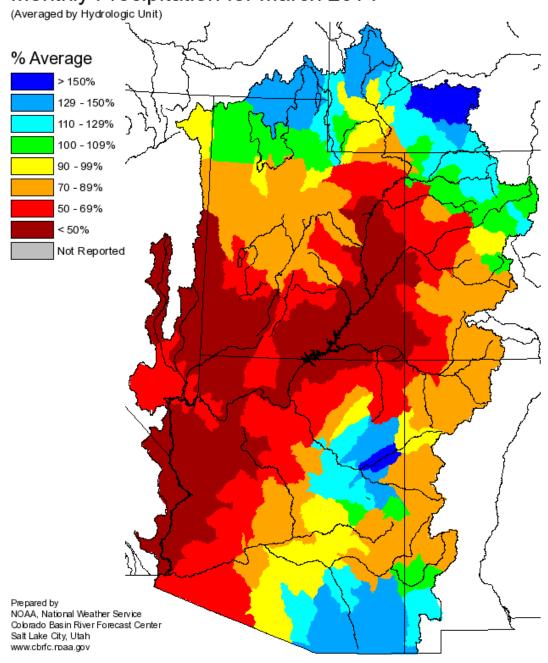
(Avg 1981-2010)



Colorado Basin River Forecast Center



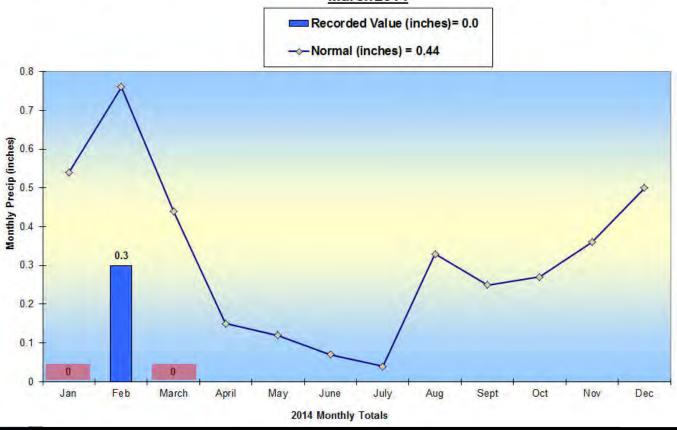
Monthly Precipitation for March 2014



Monthly Precipitation, Las Vegas, NV

As of March 31, 2014

Record of Precipitation at McCarran International Airport, Las Vegas, NV March 2014

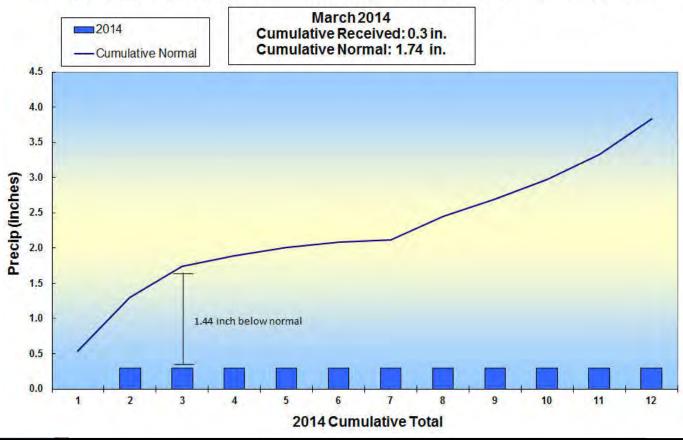




Cumulative Precipitation, Las Vegas, NV

As of March 31, 2014

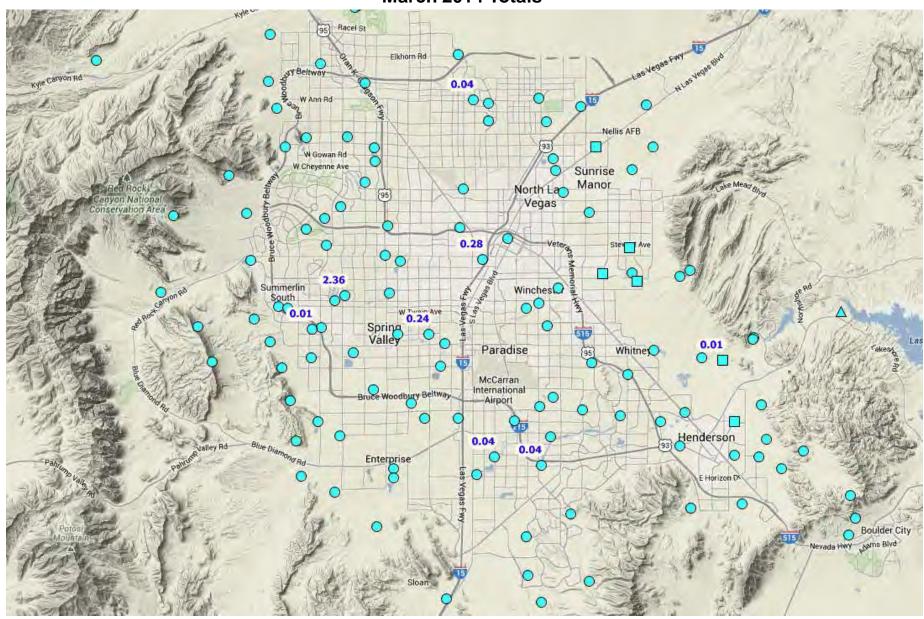
Record of Precipitation at McCarran International Airport, Las Vegas, NV





Clark County Regional Flood Control District Rain Gages

March 2014 Totals



Water Use in Southern Nevada



Water Use in Southern Nevada

January - February 2014

2014*: Consumptive Use = 16,156

CR Water Banked = 0

16,156

2013*: Consumptive Use = 17,435

CR Water Banked = 0

17,435

Difference = -1,279 af

*Subject to final accounting.



Water Use Comparison

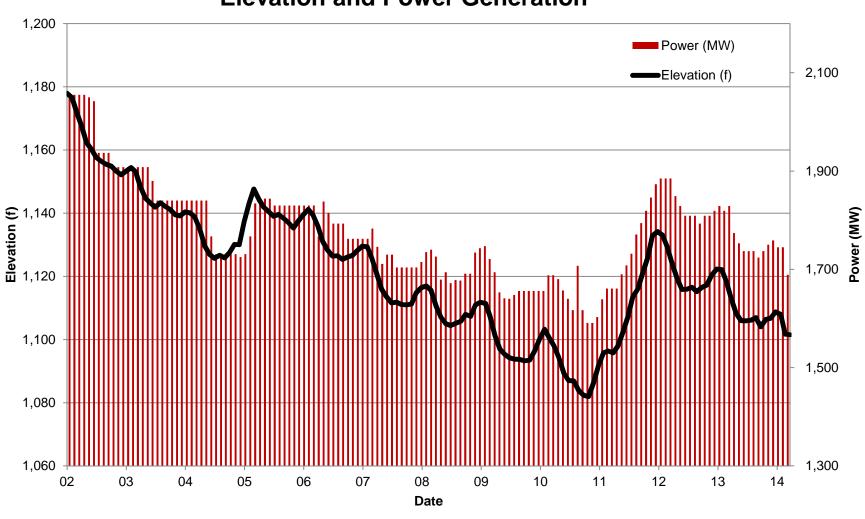
January – February 2014

Water Use	2013 Acre Feet	2014 Acre Feet	Difference	% Change
Las Vegas Wash Gauged Flow	35,007	35,848	841	2.4%
Diversions	52,701	52,529	-172	-0.3%
Return Flow Credit	35,267	36,373	1,106	3.1%
Consumptive Use	17,435	16,156	-1,279	-7.3%



Power Generation and Elevation





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