Colorado River Commission of Nevada

Natural Resources Group Hydrologic Update August 13, 2013





Hydrologic Conditions



Unregulated Inflow Into Lake Powell As of August 12, 2013

MAF*% Avg**• WY 2013 (projected):4.3340%• April-July 2013 (observed):2.5636%• Jul 2013 (observed):0.1413%• Aug 2013 (projected):0.1632%

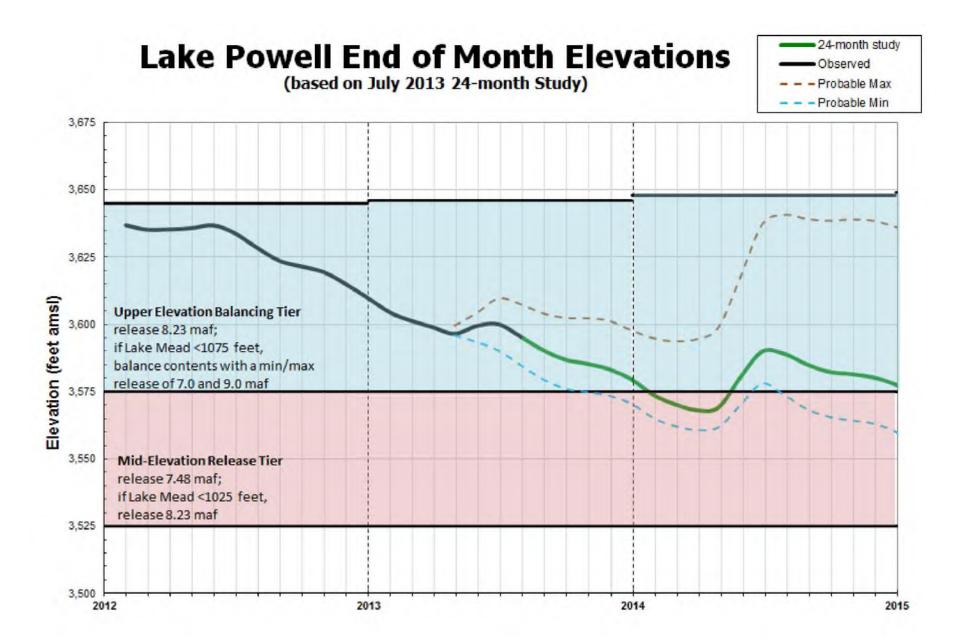
*MAF=Million Acre-Feet

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

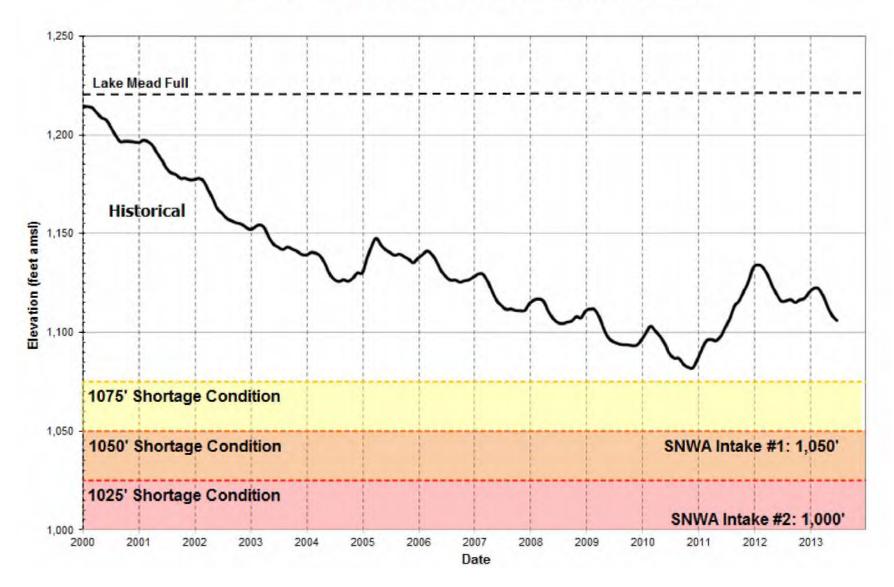


Storage Conditions As of Aug 12, 2013			
		Percent of <u>Capacity</u>	<u>∆ from last year</u>
Lake Mead elev.	1,106.20 ft	47%	10.08 ft
Lake Powell elev.	3,592.53 ft	45%	33.96 ft
Total System Storage (8/2013)	30.09 maf	50%	5. 03 maf
Total System Storage (8/2012)	35.12 maf	59%	



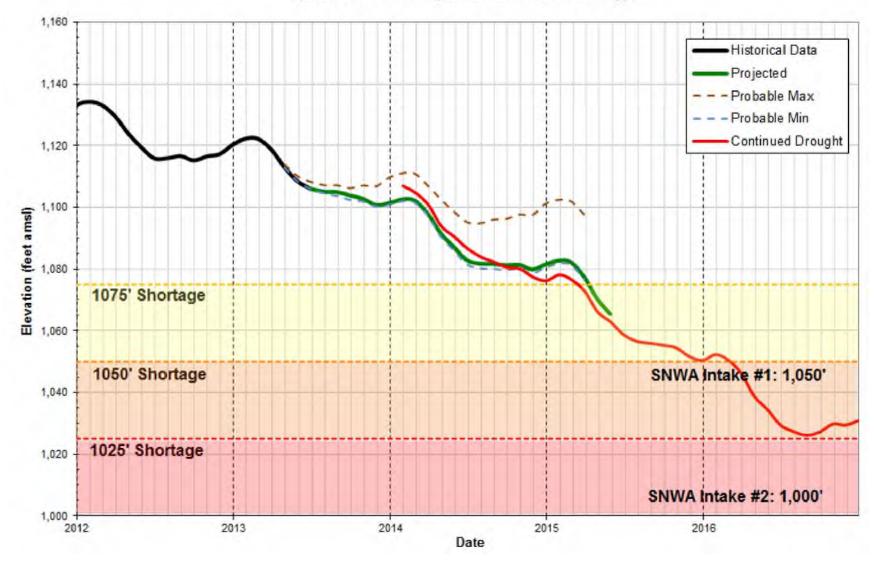


Lake Mead Elevation 2000-2013



Lake Mead End of Month Elevation Projections

(based on the July 2013 24-month study)



Precipitation - Colorado River Basin As of Aug 12, 2013

WY Precip to Date

Current Basin Snowpack

NA% (NA")

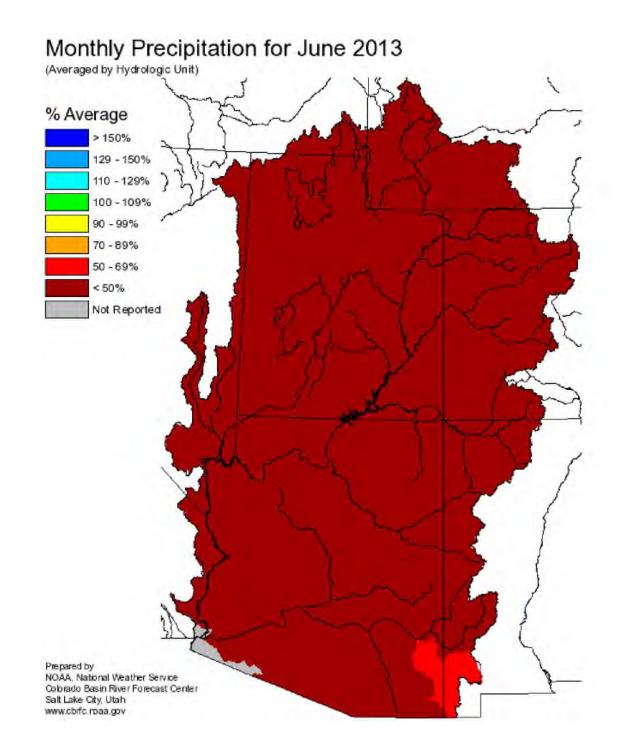
<u>Upper Colorado</u>

Basin

81% (22.5")

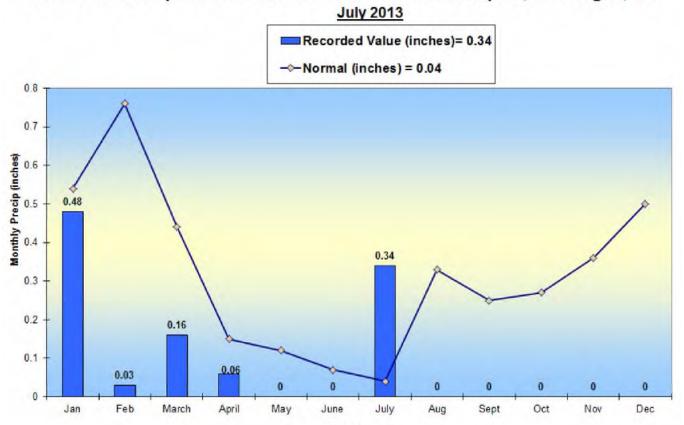
(Avg 1981-2010)





Record of Precipitation, Las Vegas, NV As of July 31, 2013

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

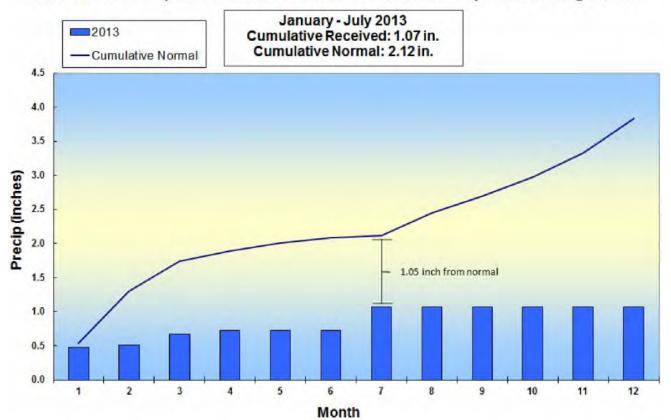


Month

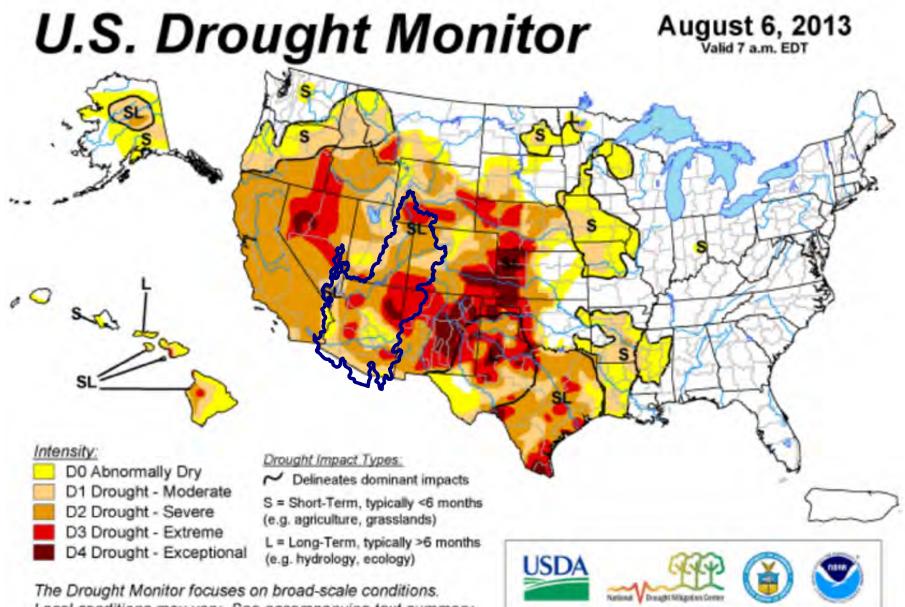


Record of Precipitation, Las Vegas, NV As of July 31, 2013

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



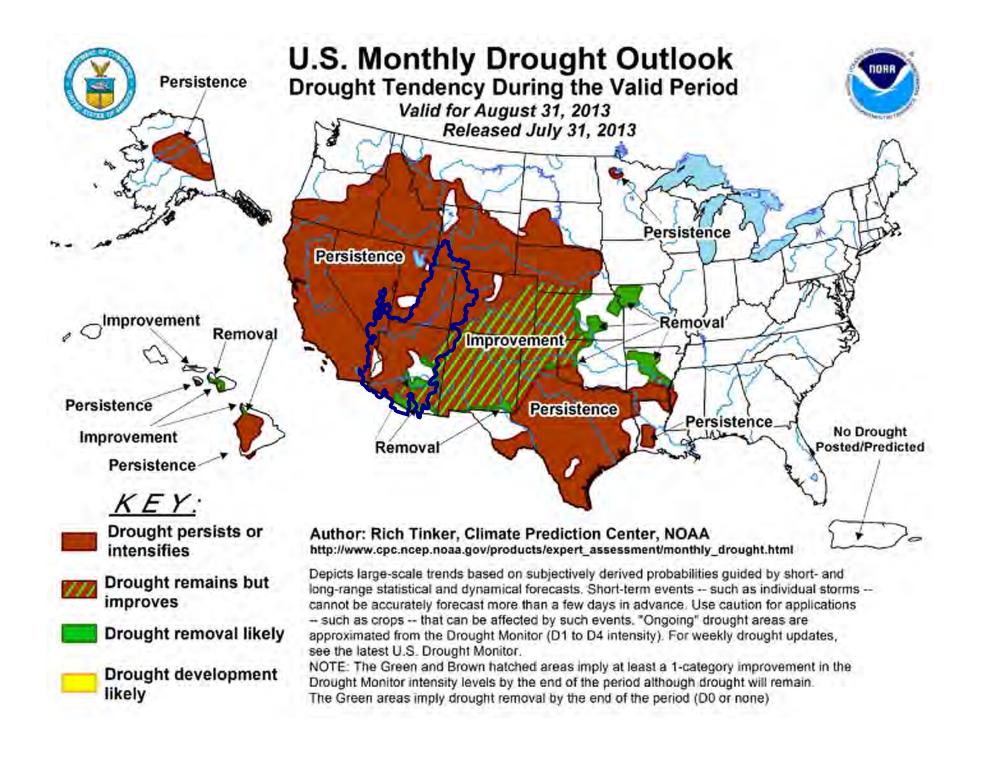




Local conditions may vary. See accompanying text summary for forecast statements.

http://droughtmonitor.unl.edu/

Released Thursday, August 8, 2013 Author: Brian Fuchs, National Drought Mitigation Center



Water Use in Southern Nevada



Water Use in Southern Nevada January - June

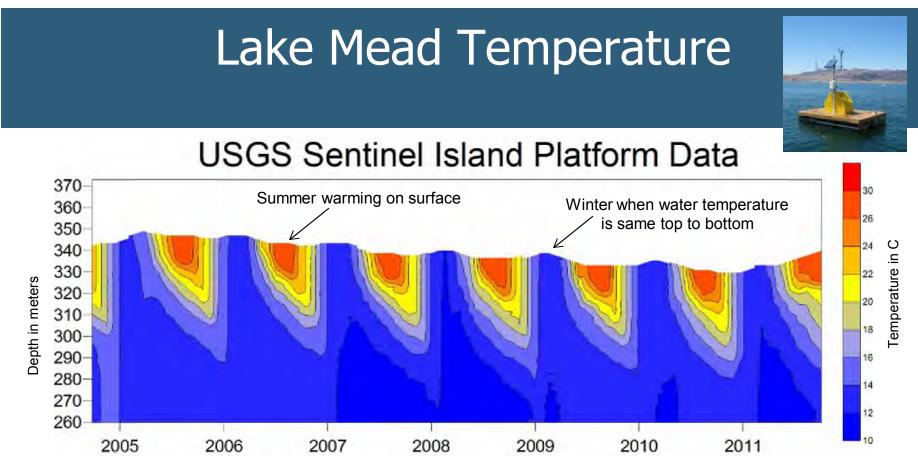
2013*: Consumptive Use = 110,193<u>CR Water Banked = 0</u> 110,193 2012: Consumptive Use = 116,991<u>CR Water Banked = 0</u> 116,991 Difference = -6,798 af

*Subject to f

*Subject to final accounting.

Lake Mead Temperature





In the Boulder Basin of Lake Mead the temperatures have a normal surface summer peak around 30 °C and the lower layer remains around 11 °C. The lake stratification has remained similar during lowering lake elevations, but the proportion of cold water in the lower layers has decreased with elevation. A trend of the data would suggest increasing temperatures, but it is due to the volume of cold water that has decreased.

Thanks to SNWA for providing technical assistance

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