

Colorado River Commission of Nevada

Hydrology Update October 14, 2010



Hydrologic Conditions



Storage Conditions

As of October 12, 2010

		<u>Percent of Capacity</u>	<u>Δ from Sept meeting</u>	<u>Δ from last year</u>
Lake Mead elev. (last year)	1,083.65 ft (1,094.13 ft)	39% (42%)	↓ 2.16 ft	↓ 10.48 ft
Lake Powell elev. (last year)	3,634.33 ft (3,634.51 ft)	63% (63%)	↑ 0.27 ft	↓ 0.18 ft
Total system storage (10/10)	33.01 maf	56%	↓ 0.47 maf	↓ 1.02 maf
Total system storage (10/09)	34.03 maf	57%		



Unregulated Inflow Into Lake Powell

As of October 12, 2010

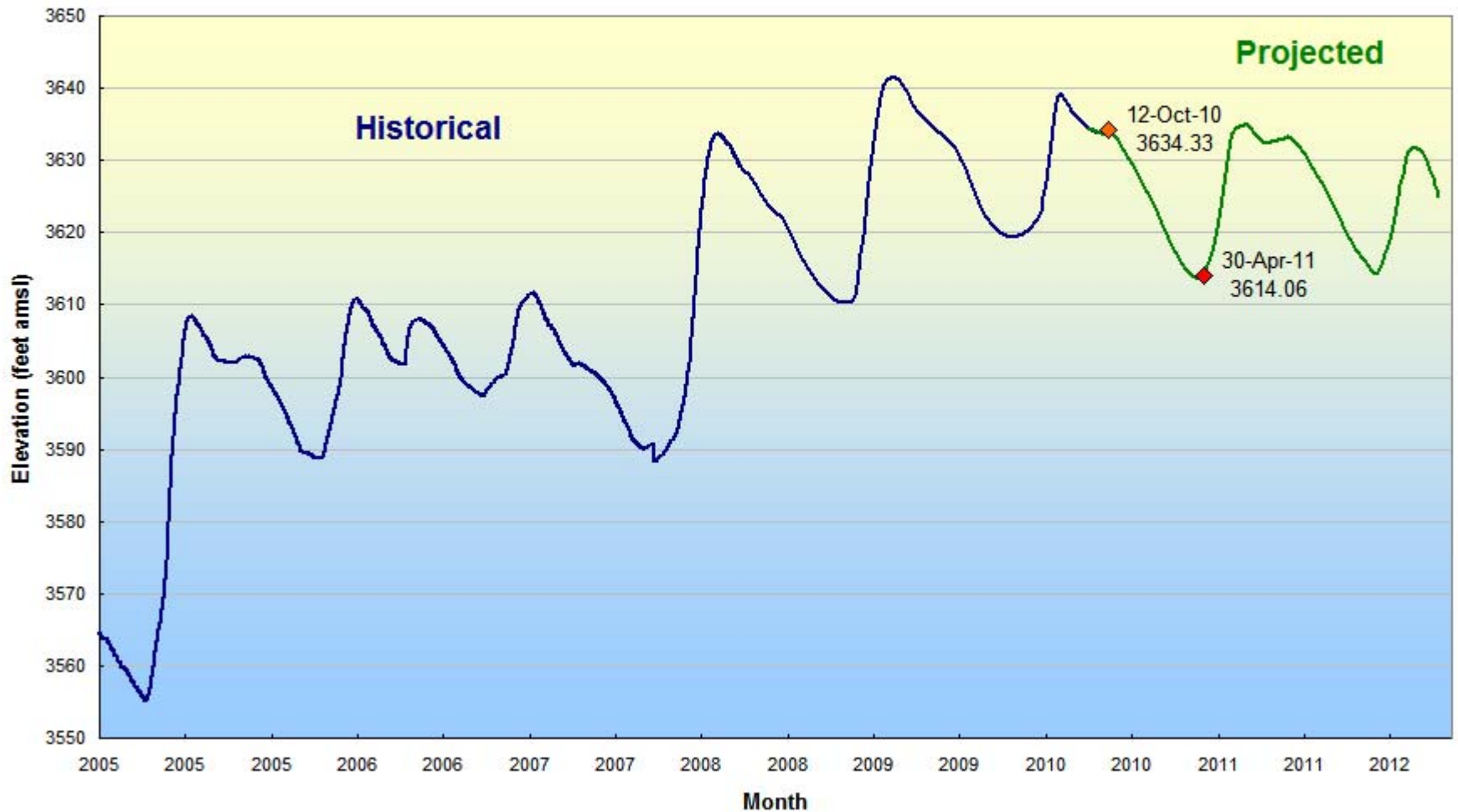
	MAF	% Avg*
• Water Year 2010 (observed): (Began October 1, 2009)	8.738	73%
• April-July 2010 (observed):	5.795	73%
• September 2010 (observed)	0.276	58%
• October 2010 (forecast)	0.375	69%

*30-year average, from 1971-2000



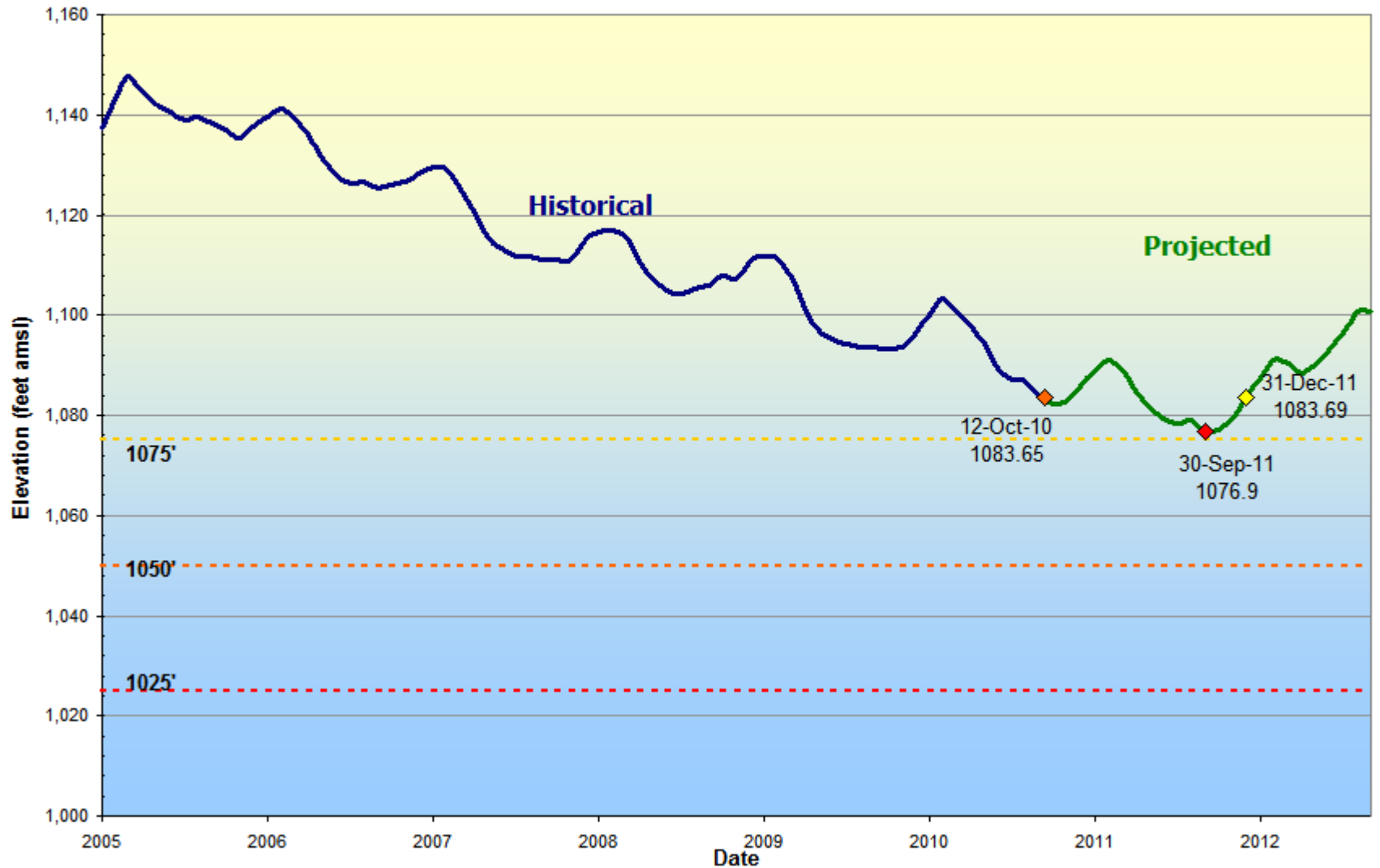
Lake Powell End of Month Elevations

(based on the October 2010 24-month study)

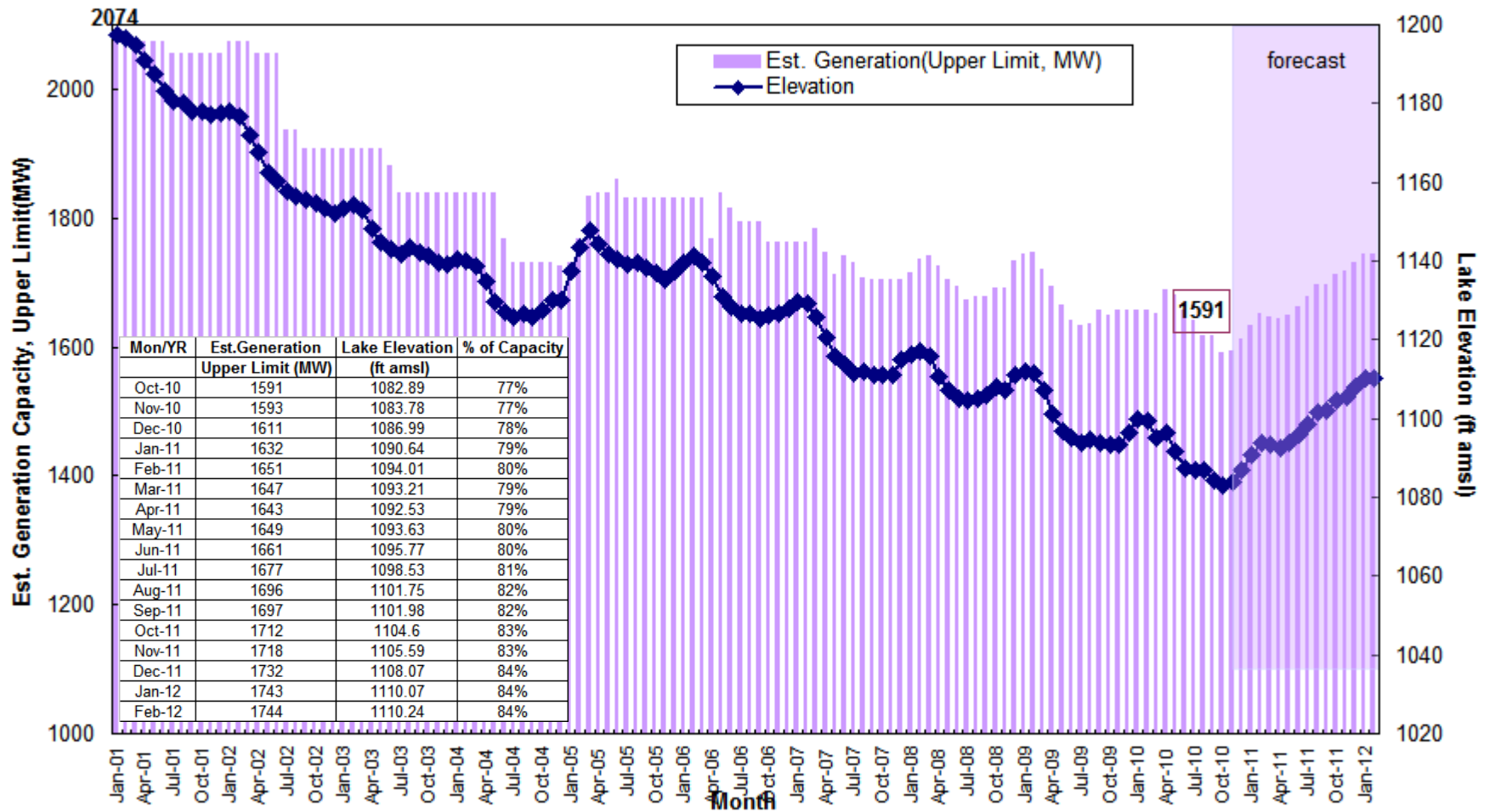


Lake Mead End of Month Elevation Projections

(based on the October 2010 24-month study)



Hoover Dam Rating and Lake Mead Elevations



*The Capacity column on this spreadsheet lists the most recent information on capacity provided to Western Area Power Administration in the unit capacity letter dated July 21, 2010. The 17-Month Operating Schedule incorporates calculated projections of future capacity based on the October 4, 2010 capacity letter and the September 2010 24-Month Study.

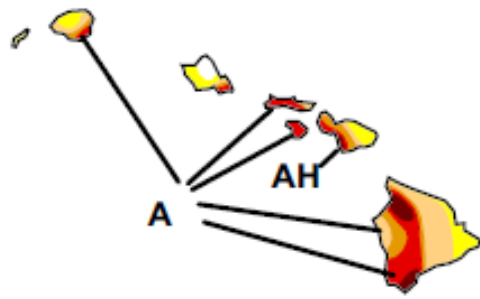
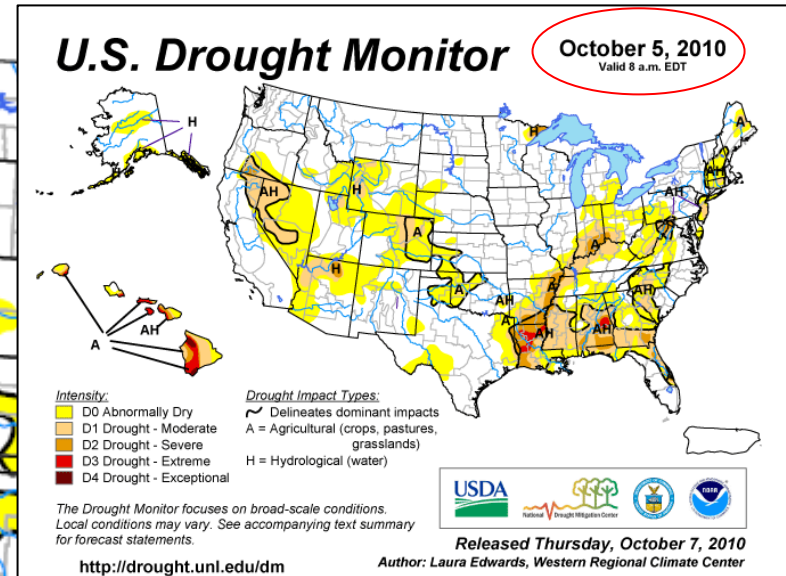
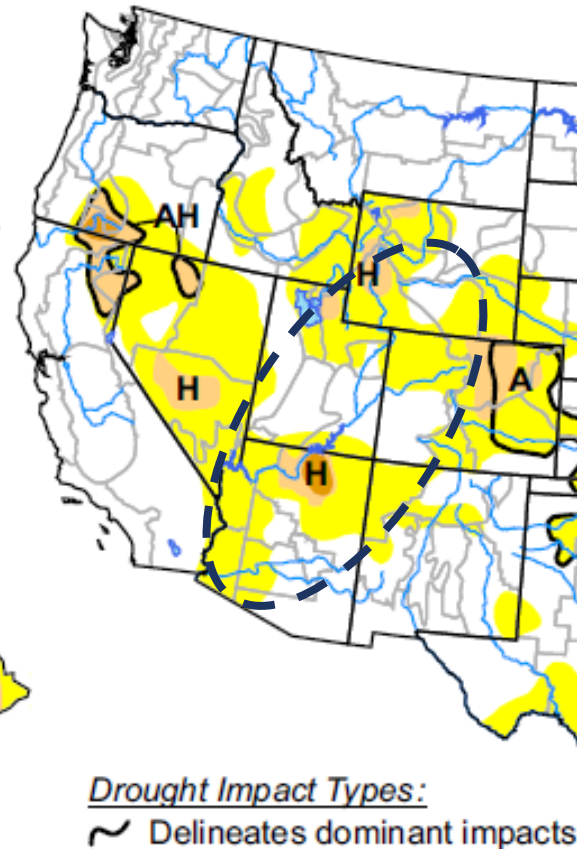
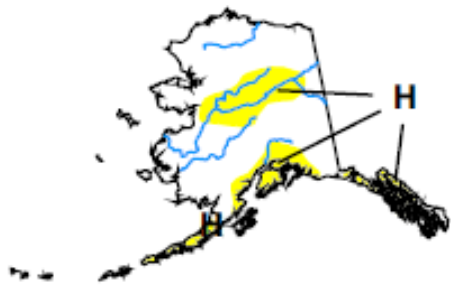
Drought & Climate



U.S. Drought Monitor

October 12, 2010

Valid 8 a.m. EDT



Intensity:

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

Drought Impact Types:

- Delineates dominant impacts
- A = Agricultural (crops, pastures, grasslands)
- H = Hydrological (water)

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

<http://drought.unl.edu/dm>



Released Thursday, October 14, 2010

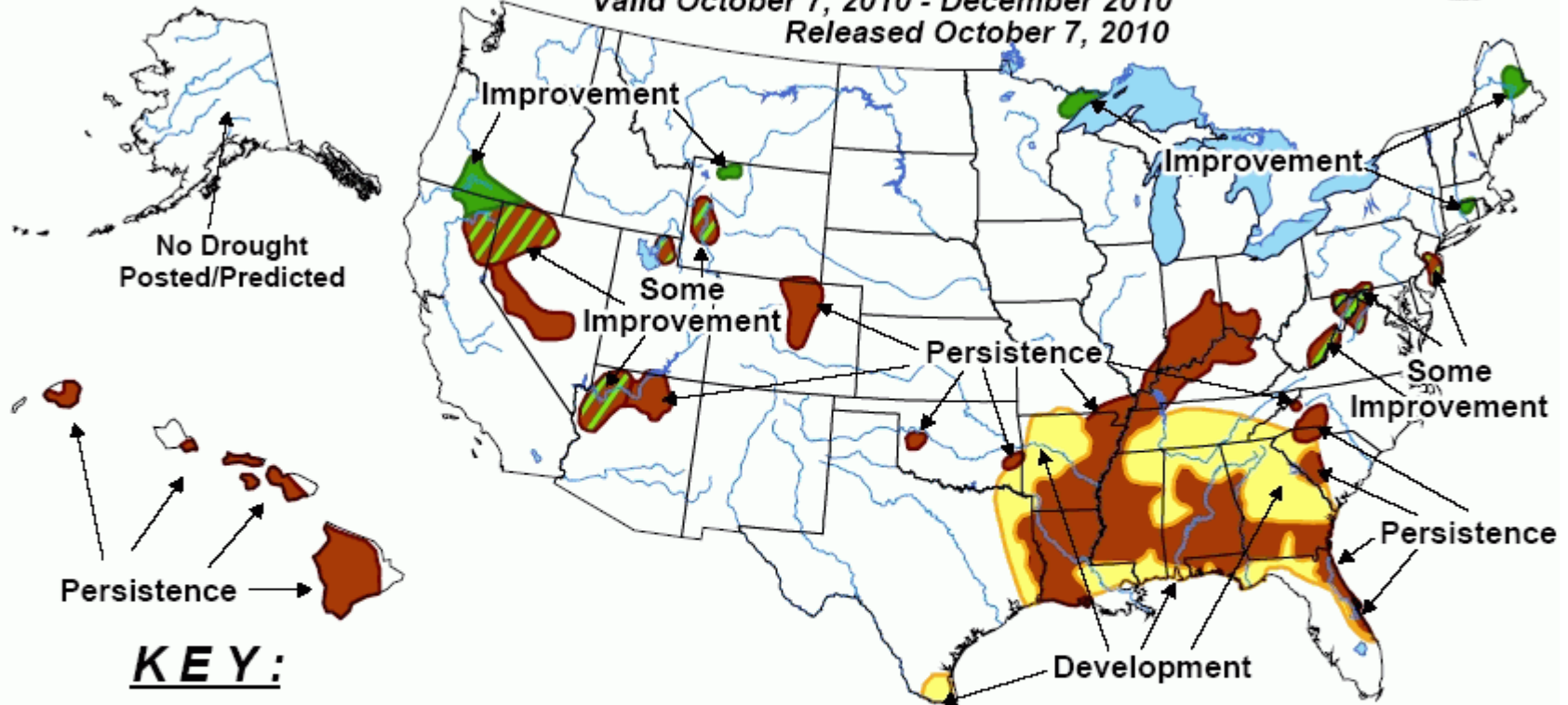
Author: Laura Edwards, Western Regional Climate Center



U.S. Seasonal Drought Outlook


Drought Tendency During the Valid Period

Valid October 7, 2010 - December 2010
Released October 7, 2010



KEY:

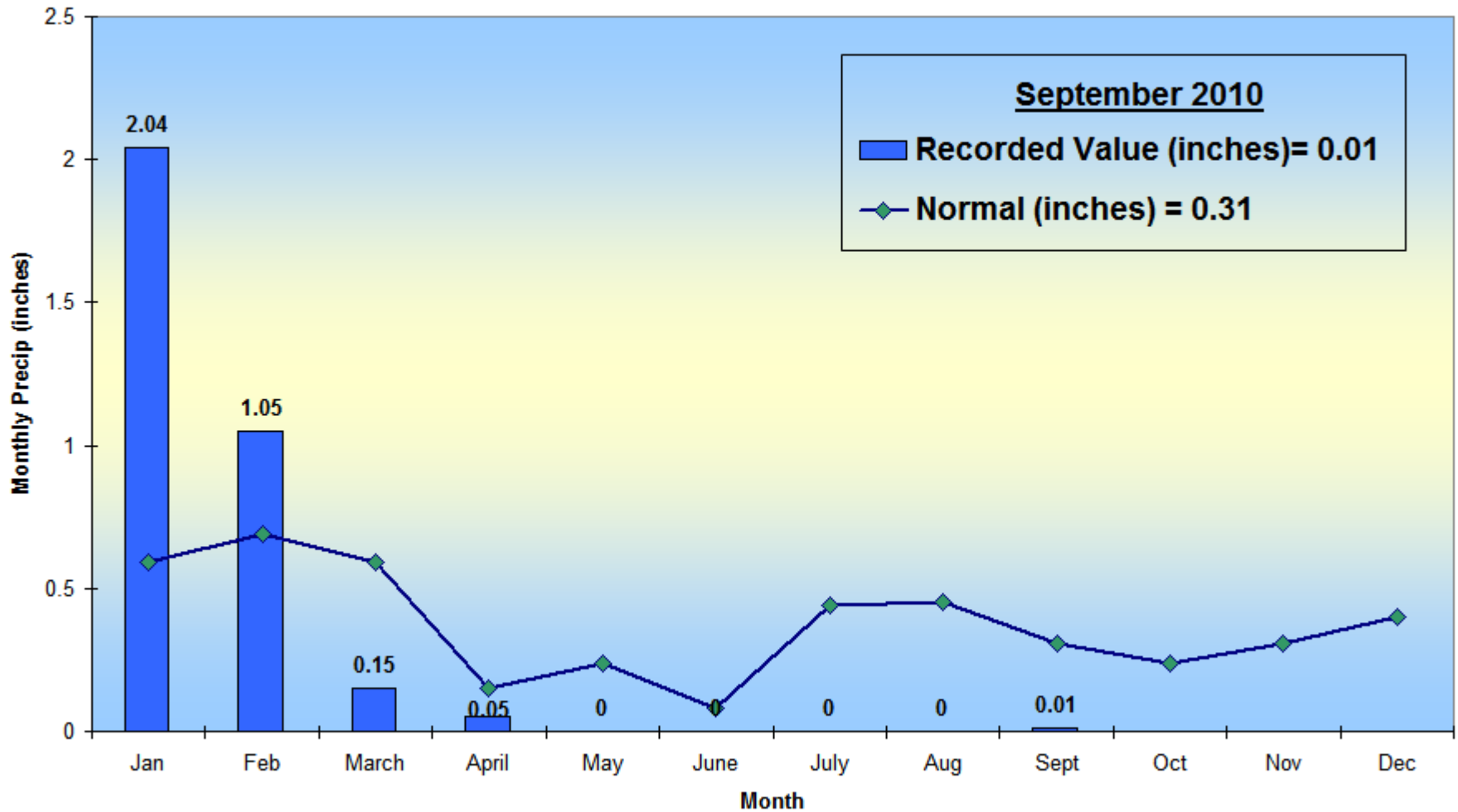
-  Drought to persist or intensify
-  Drought ongoing, some improvement
-  Drought likely to improve, impacts ease
-  Drought development likely

No Drought Posted/Predicted 

Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Short-term events – such as individual storms – cannot be accurately forecast more than a few days in advance. Use caution for applications – such as crops – that can be affected by such events. "Ongoing" drought areas are approximated from the Drought Monitor (D1 to D4 intensity). For weekly drought updates, see the latest U.S. Drought Monitor. NOTE: the green improvement areas imply at least a 1-category improvement in the Drought Monitor intensity levels, but do not necessarily imply drought elimination.

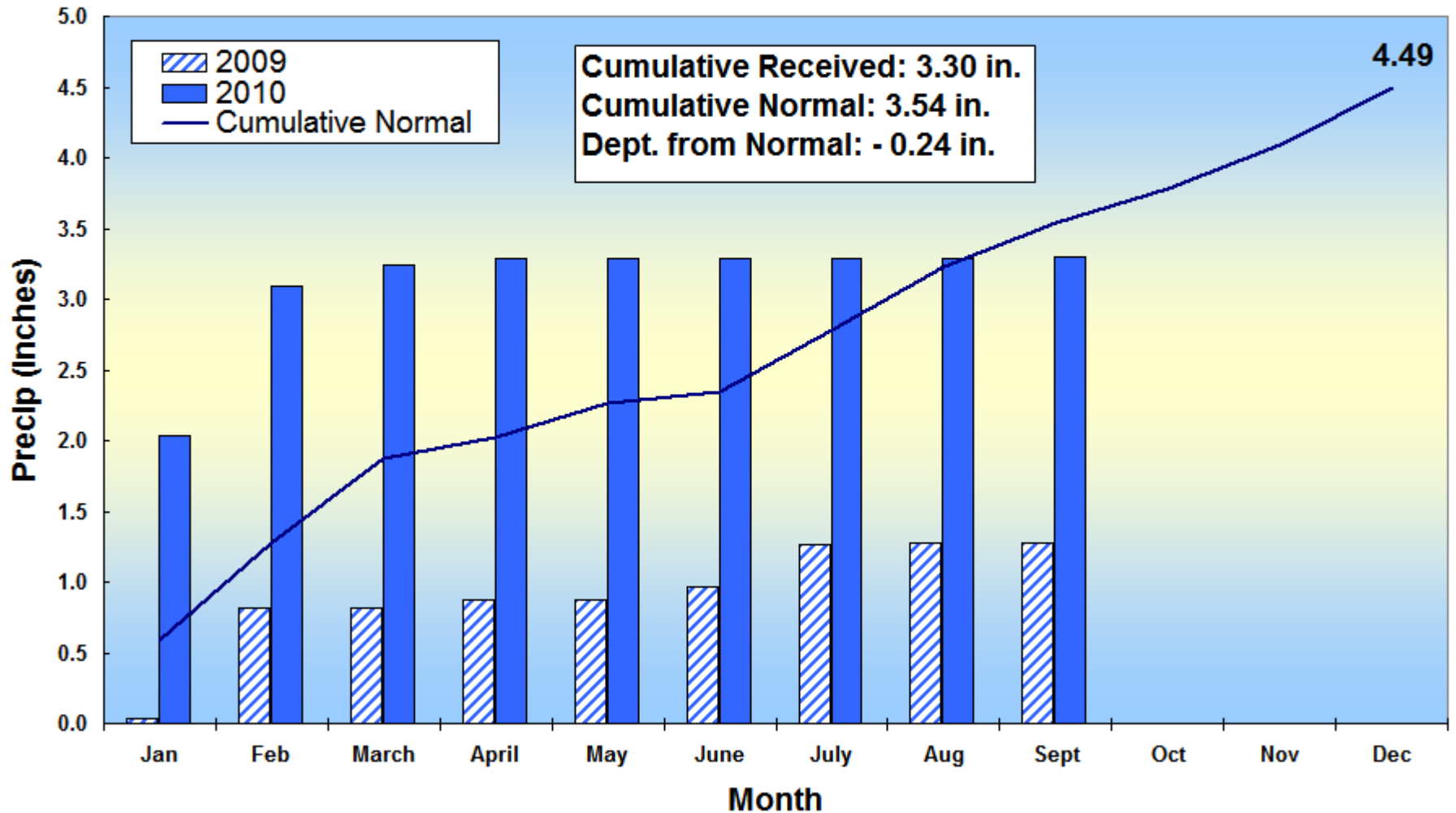
Record of Precipitation at McCarran International Airport, Las Vegas, NV

(through September 30, 2010)



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

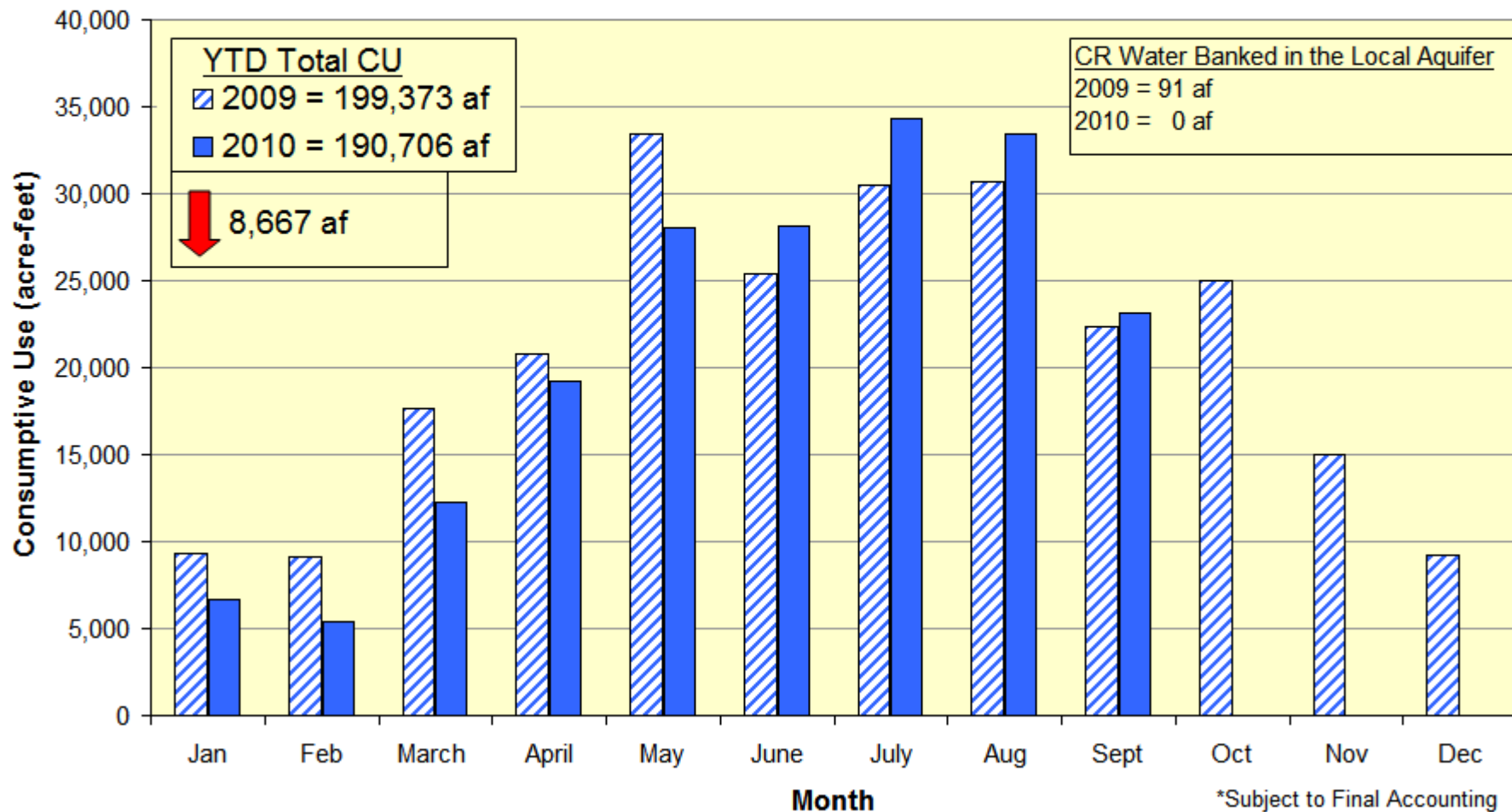
(through September 30, 2010)



Water Use in Southern Nevada



Nevada's Consumptive Use of Colorado River Water (January-September)*



Colorado River Commission of Nevada

Hydrology Update October 14, 2010

