

# Colorado River Commission of Nevada

## **Natural Resources Group Commission Meeting June 11, 2013**



# Hydrologic Conditions



# Unregulated Inflow Into Lake Powell

As of June 10, 2013

	MAF*	% Avg**
• WY 2013 (projected):	4.77	44%
• April-July 2013 (projected):	3.00	42%
• May 2013 (observed):	1.12	48%
• June 2013 (projected):	1.20	45%

**\*MAF=Million Acre-Feet**

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



# Storage Conditions

As of June 3, 2013

		Percent of <u>Capacity</u>	<u>Δ from last year</u>
Lake Mead elev.	1,108.28 ft	48%	↓ 10.86 ft
Lake Powell elev.	3,599.68 ft	48%	↓ 37.22 ft
Total System Storage (6/2013)	31.20 maf	52%	↓ 5.53 maf
Total System Storage (6/2012)	36.73 maf	62%	



# Lake Mead End of Month Elevation Projections

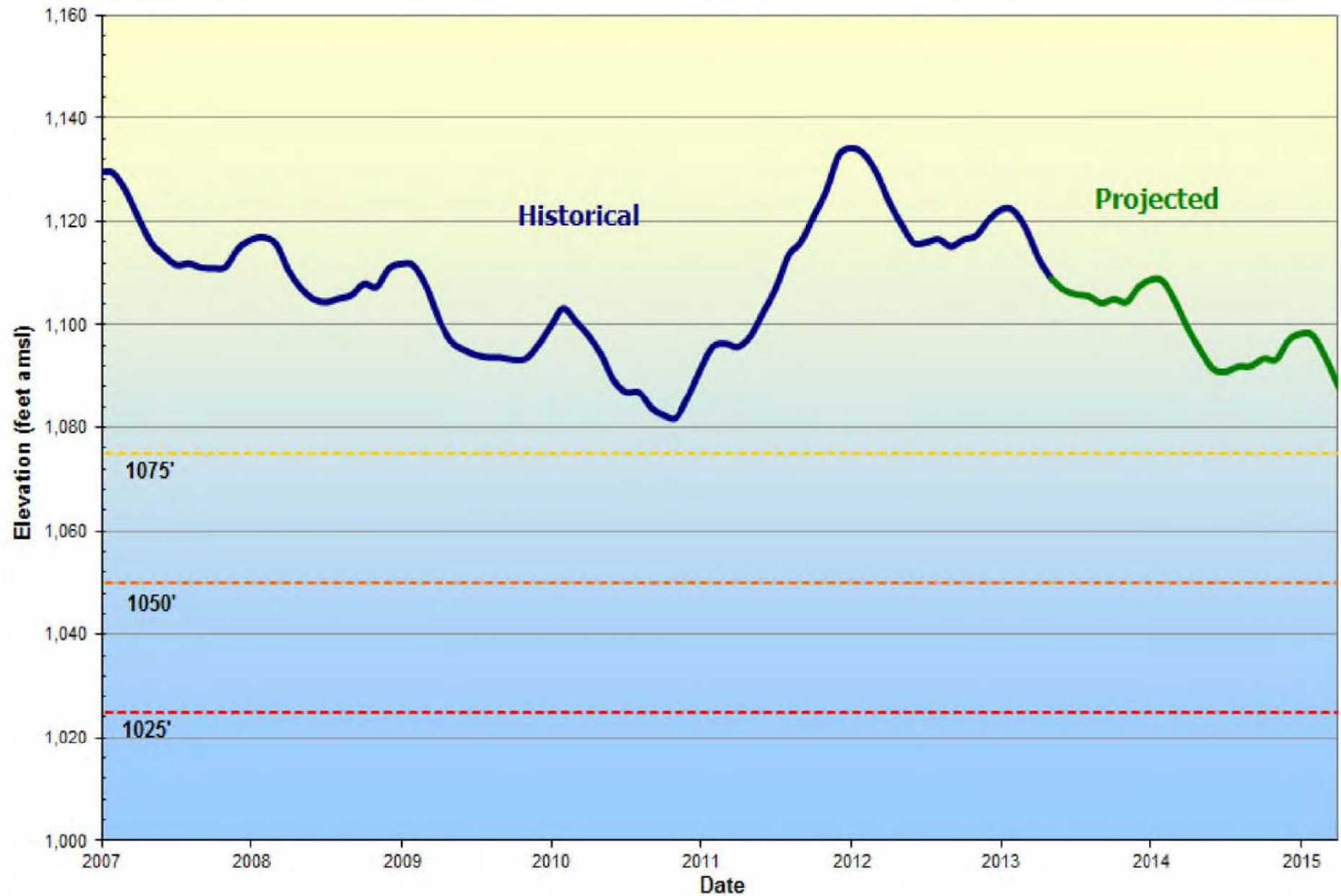
(based on the May 2013 24-month study)





# Lake Mead End of Month Elevation Projections

(based on the May 2013 24-month study)



# Precipitation - Colorado River Basin

As of June 3, 2013

## Upper Colorado Basin

WY Precip to Date

80% (18.7")

Current Basin Snowpack

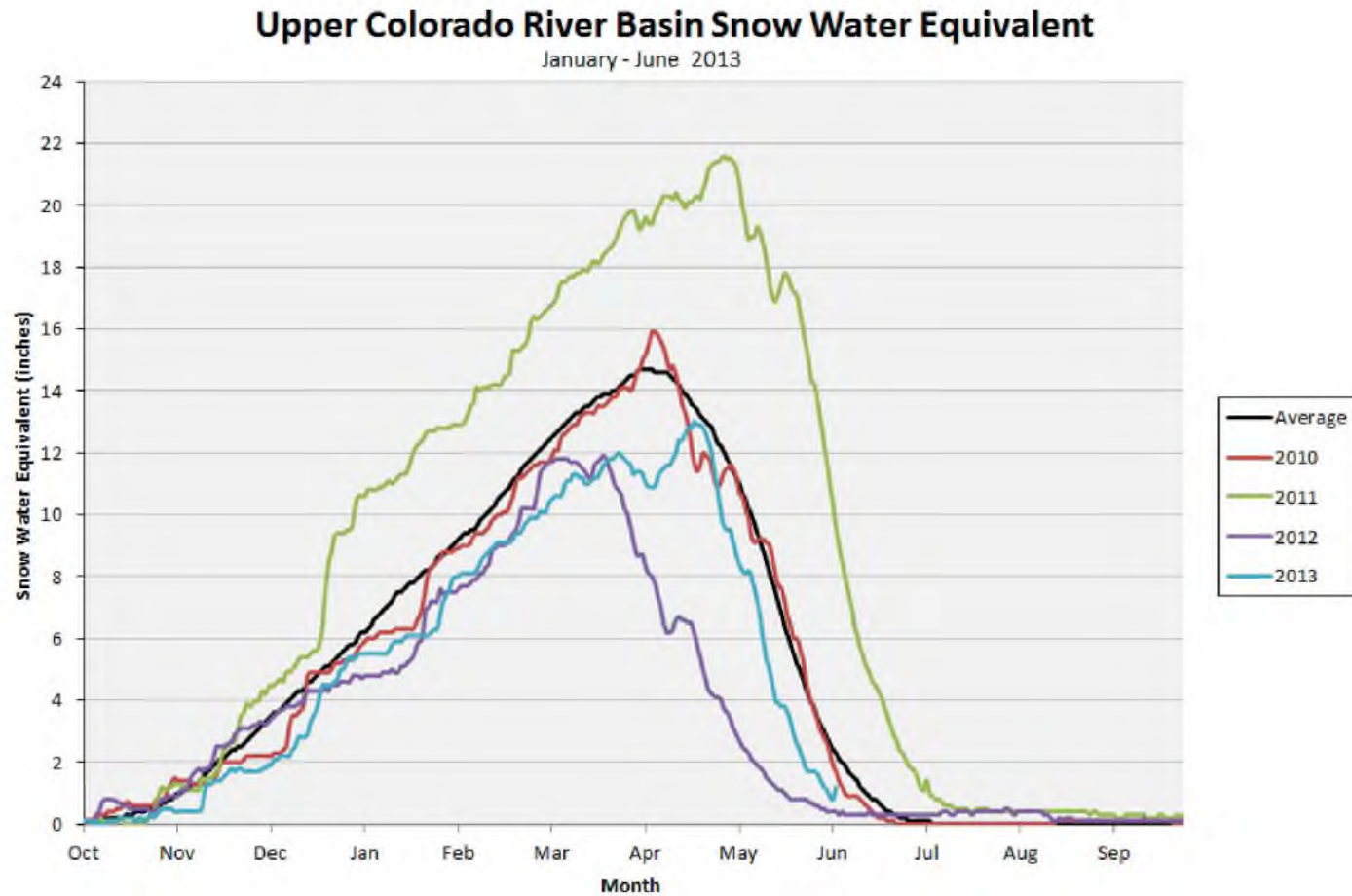
64% (1.4")

(Avg 1981-2010)



# Precipitation - Colorado River Basin

As of June 3, 2013



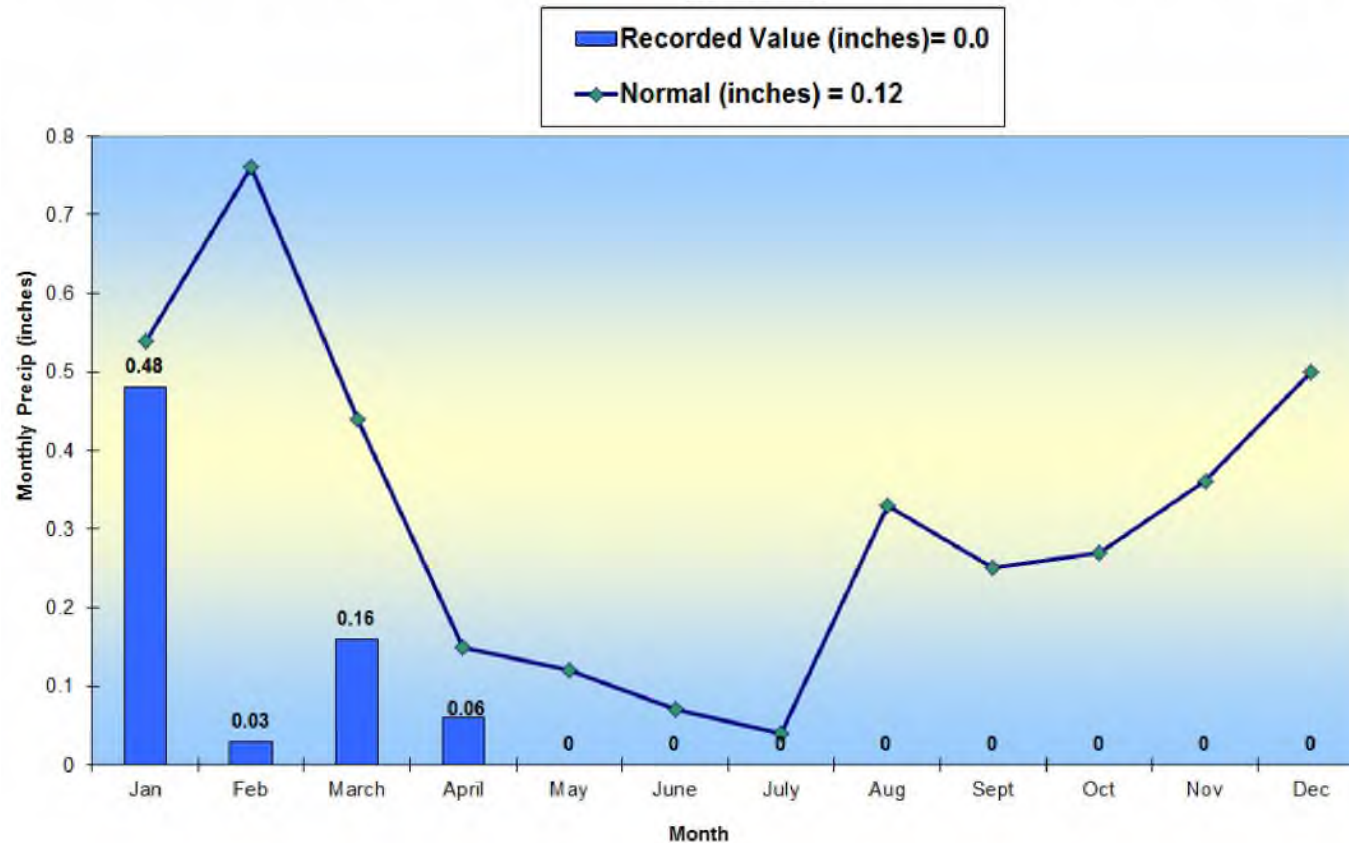


# Record of Precipitation, Las Vegas, NV

As of May 31, 2013

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

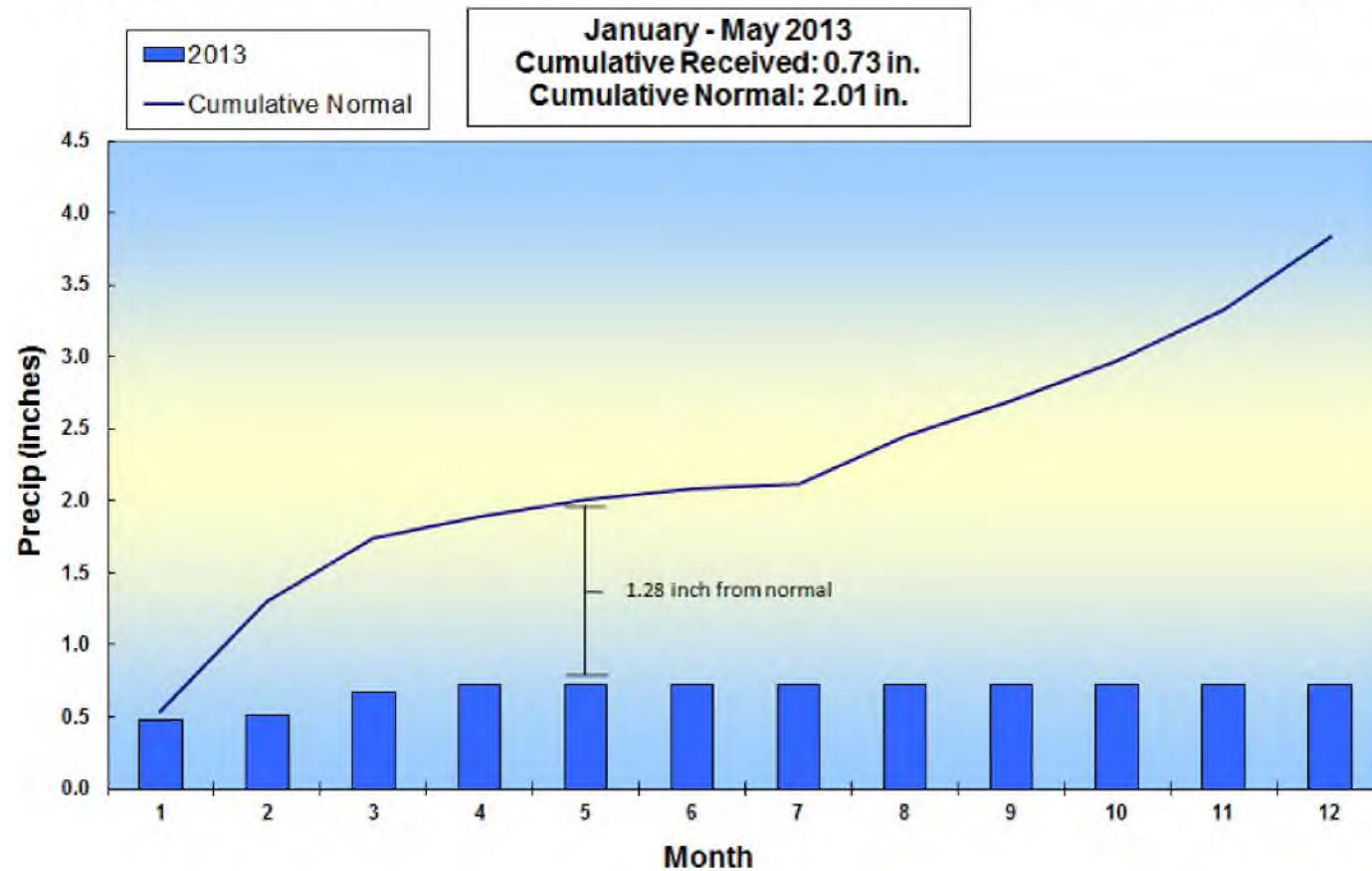
May 2013



# Record of Precipitation, Las Vegas, NV

As of May 31, 2013

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

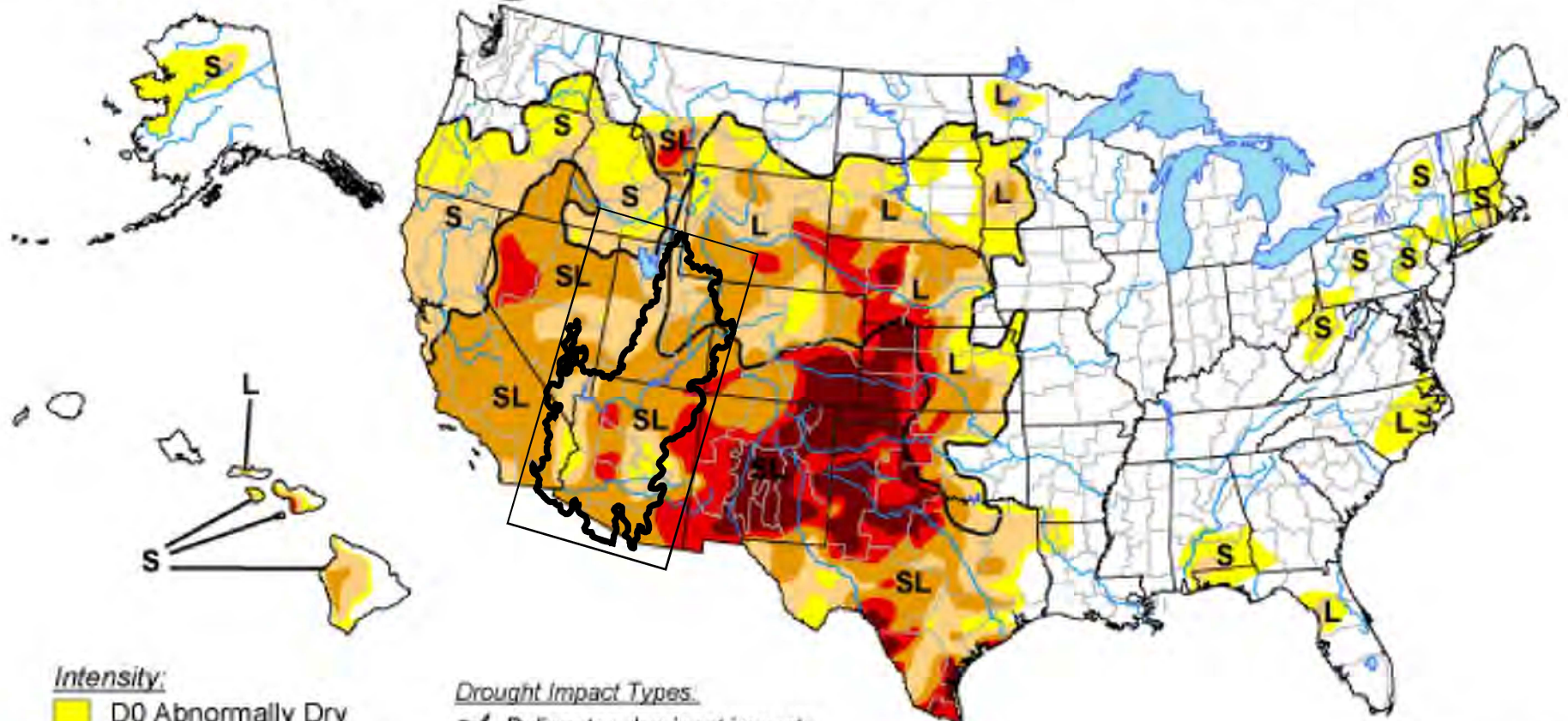




# U.S. Drought Monitor

June 4, 2013

Valid 7 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
- S = Short-Term, typically <6 months  
(e.g. agriculture, grasslands)
- L = Long-Term, typically >6 months  
(e.g. hydrology, ecology)

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

<http://droughtmonitor.unl.edu/>



**Released Thursday, June 6, 2013**

**Author: David Simeral, Western Regional Climate Center**



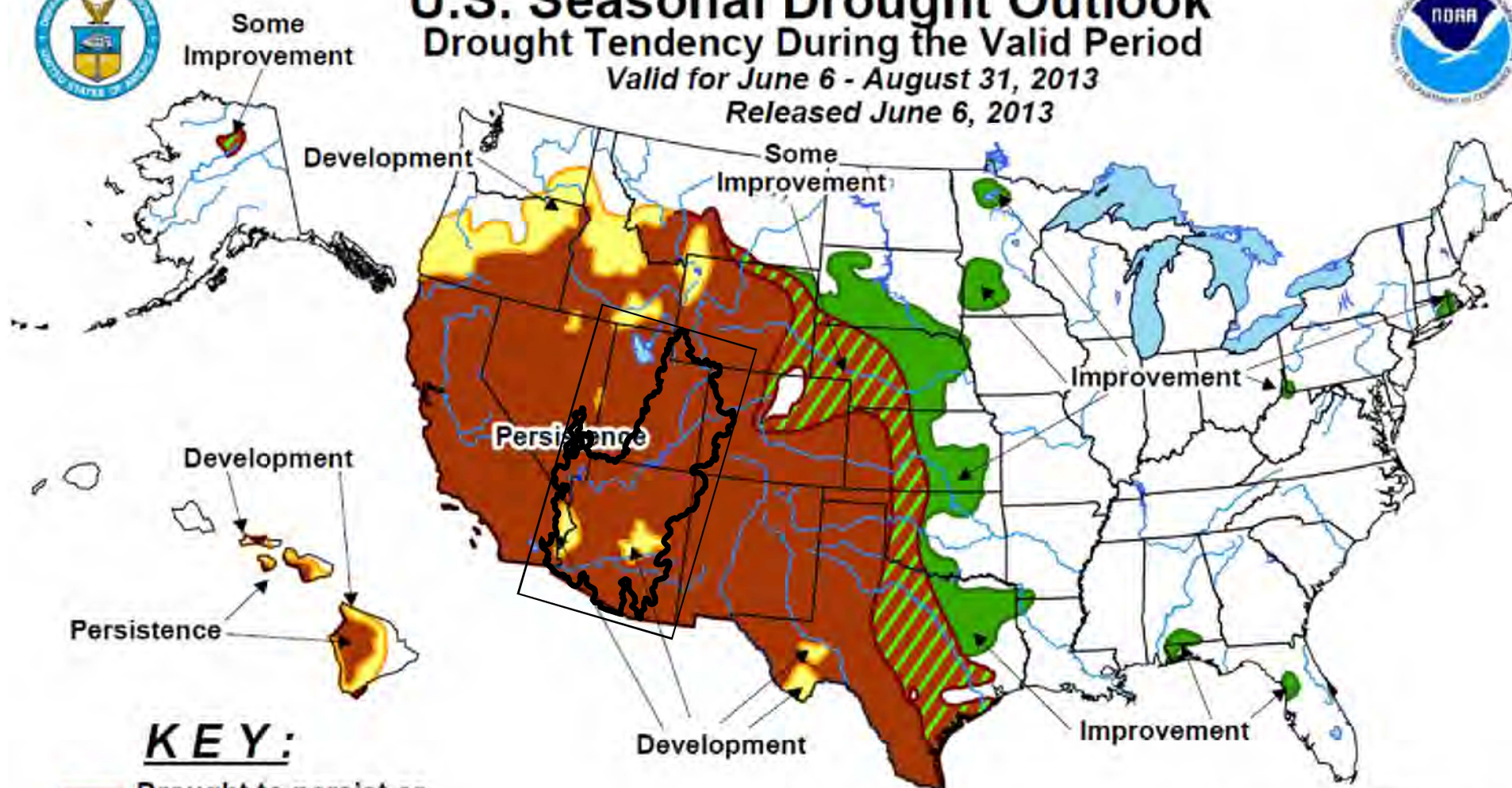


# U.S. Seasonal Drought Outlook

## Drought Tendency During the Valid Period

Valid for June 6 - August 31, 2013

Released June 6, 2013



### 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.



# Water Use in Southern Nevada



# SNWA Water Diversion

## January - April

2013\*:            Diversion = 114,335

CR Water Banked = 0

114,335

2012\*:            Diversion = 115,647

CR Water Banked = 0

115,647

**Difference = - 1,312 af**

\*Subject to final accounting.



# Remaining Nevada Diversion

## January - April

2013\*: Diversion = 9,035

2012\*: Diversion = 9,277

**Difference = - 242 af**

\*Subject to final accounting.



# Total Nevada Diversion

## January - April

2013\*: Diversion = 123,370

2012\*: Diversion = 124,924

**Difference = - 1,554 af**

\*Subject to final accounting.





# Water Use in Southern Nevada

## January - April

2013\*:      Consumptive Use = 53,439  
                 CR Water Banked =            0  
   53,439

2012\*:      Consumptive Use = 56,939  
                 CR Water Banked =            0  
   56,939

**Difference =        - 3,500 af**

\*Subject to final accounting.



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