

Drought Monitoring Technical Committee Update

to the

Arizona Interagency Coordinating Group

May 20, 2013

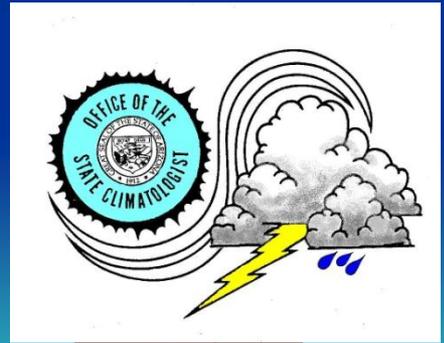
Nancy J. Selover
Arizona State Climate Office
Arizona State University
azclimate.asu.edu



Arizona Drought Monitoring Technical Committee



ARIZONA DIVISION OF EMERGENCY MANAGEMENT

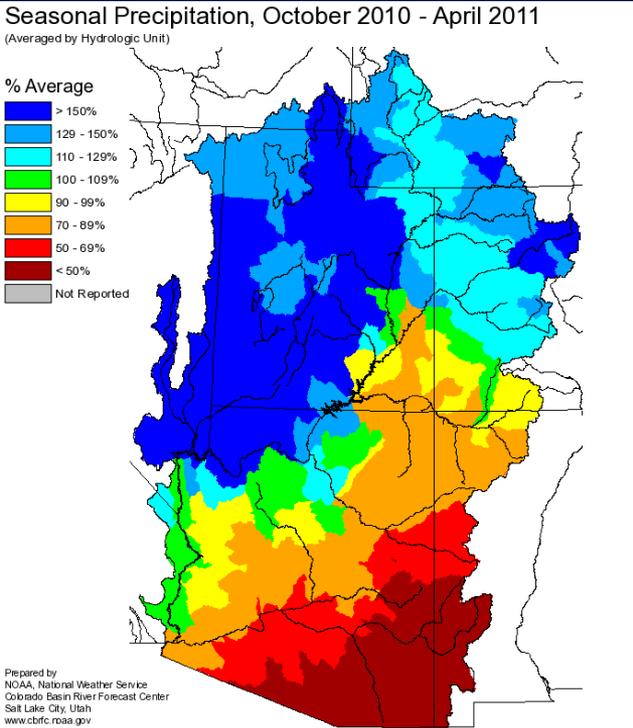


OFFICE OF THE ARIZONA STATE CLIMATOLOGIST

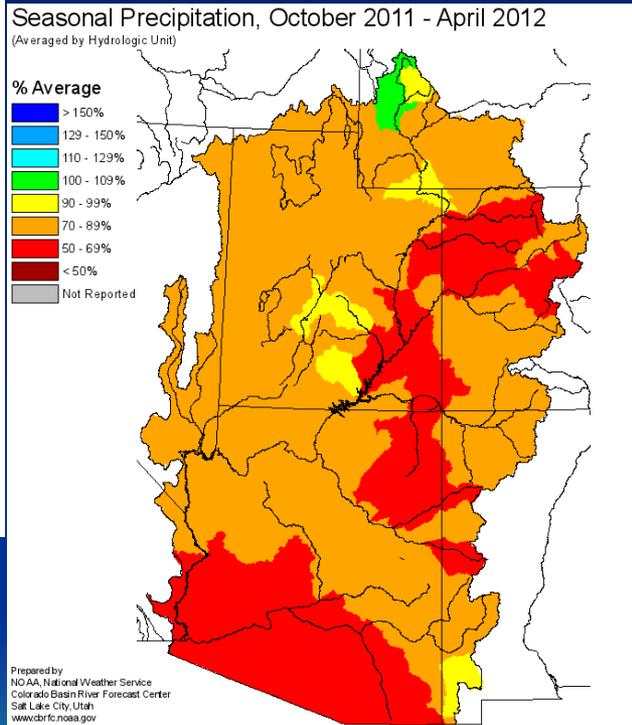


Precipitation Comparison Colorado River Basin

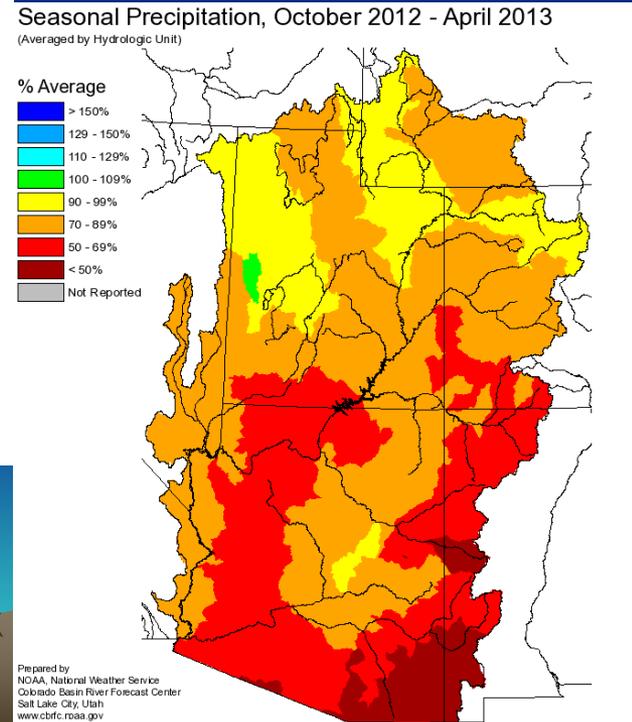
WY 2011 to April



WY 2012 to April

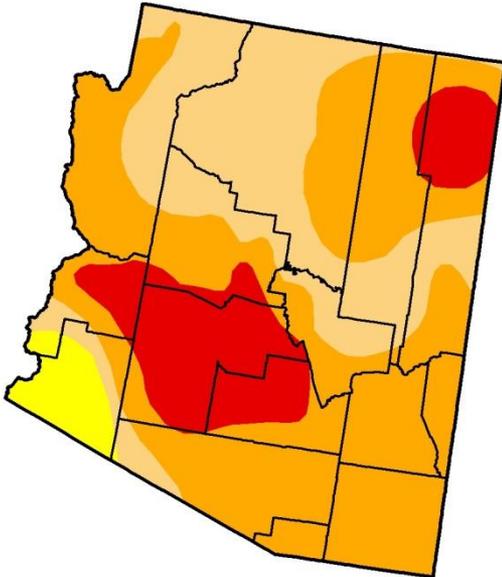


WY 2013 to April

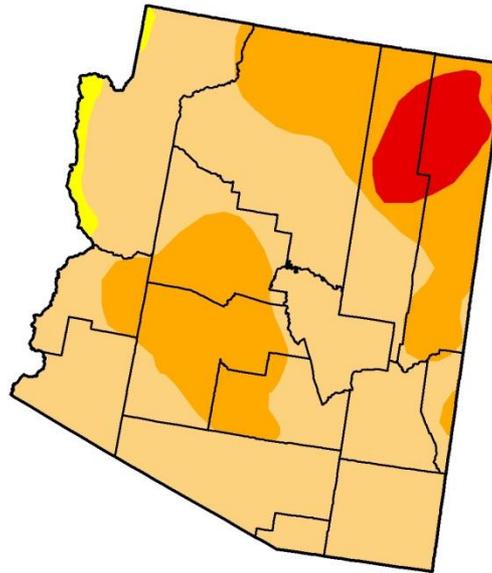


National Drought Monitor Comparison (Short-Term)

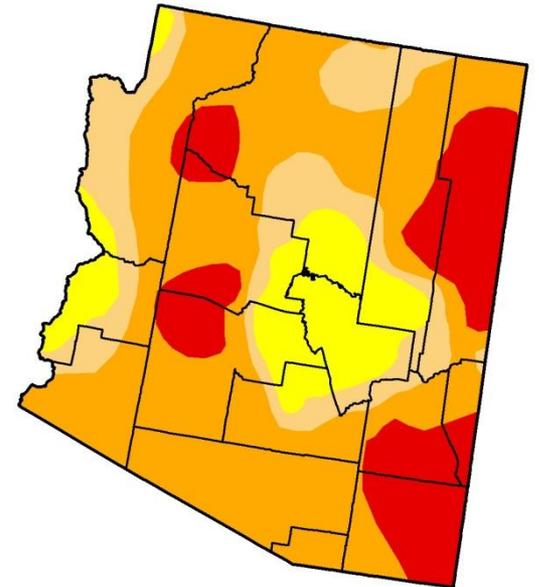
May 1, 2012



Nov 6, 2012



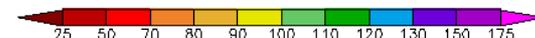
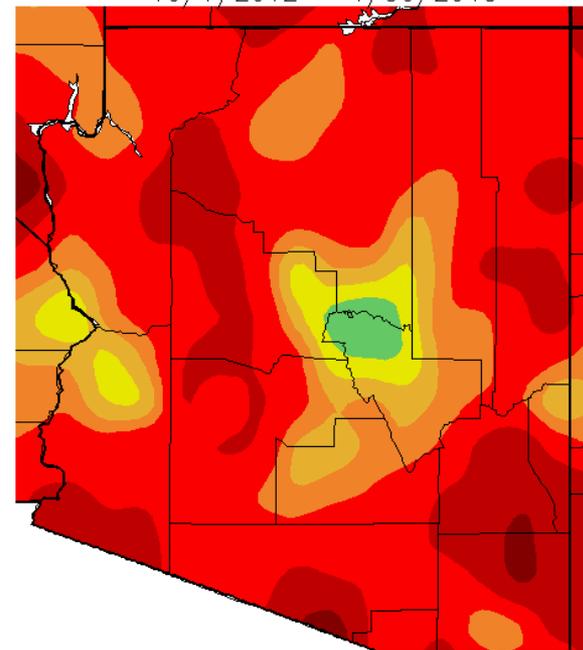
May 7, 2013



Precipitation

WY 2013

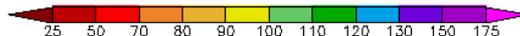
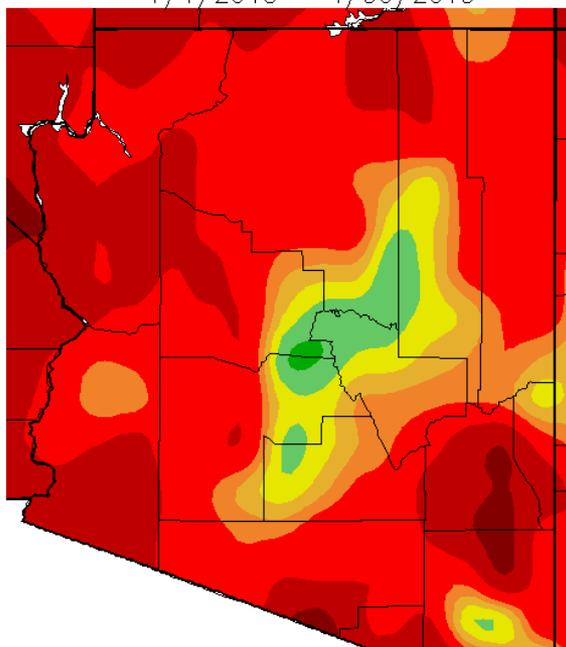
Percent of Average Precipitation (%)
10/1/2012 - 4/30/2013



Generated 5/01/2013 at WRCC using provisional data.
NOAA Regional Climate Centers

Jan-Apr 2013

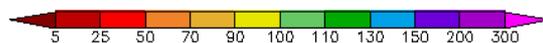
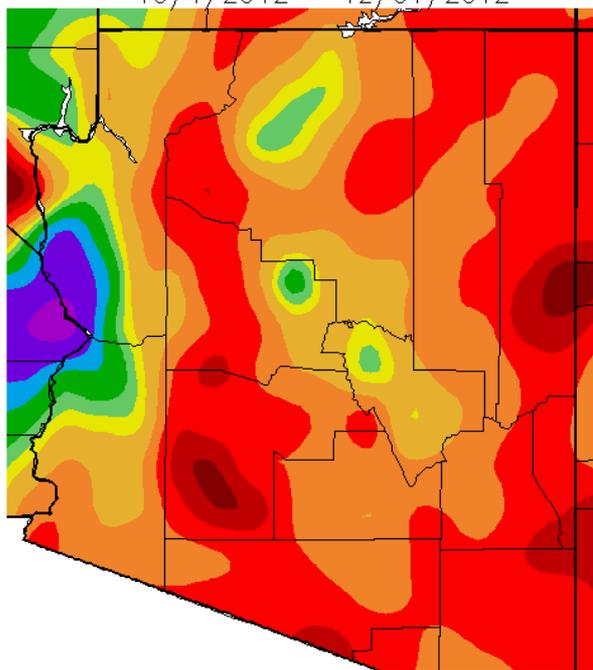
Percent of Average Precipitation (%)
1/1/2013 - 4/30/2013



Generated 5/01/2013 at WRCC using provisional data.
NOAA Regional Climate Centers

Oct-Dec 2012

Percent of Average Precipitation (%)
10/1/2012 - 12/31/2012



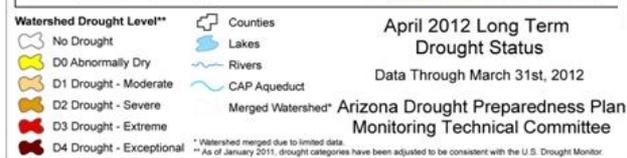
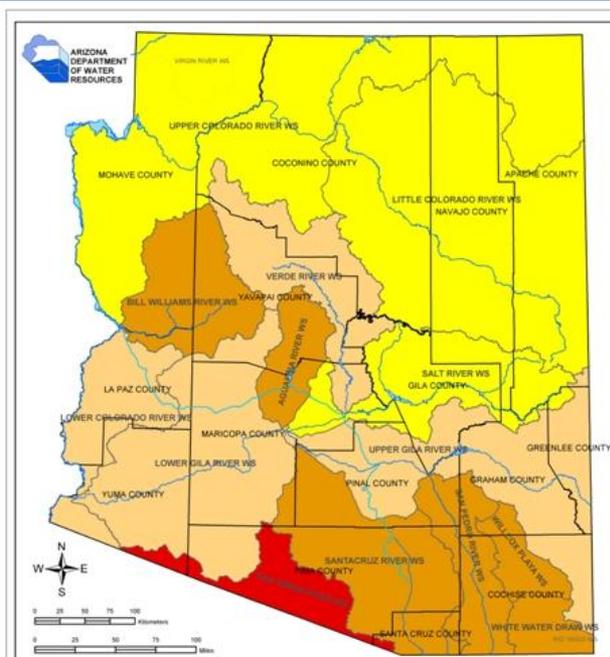
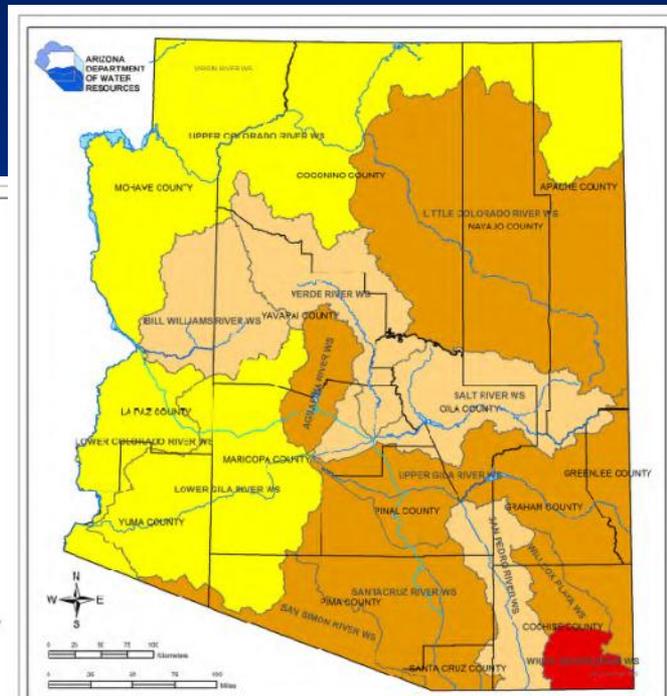
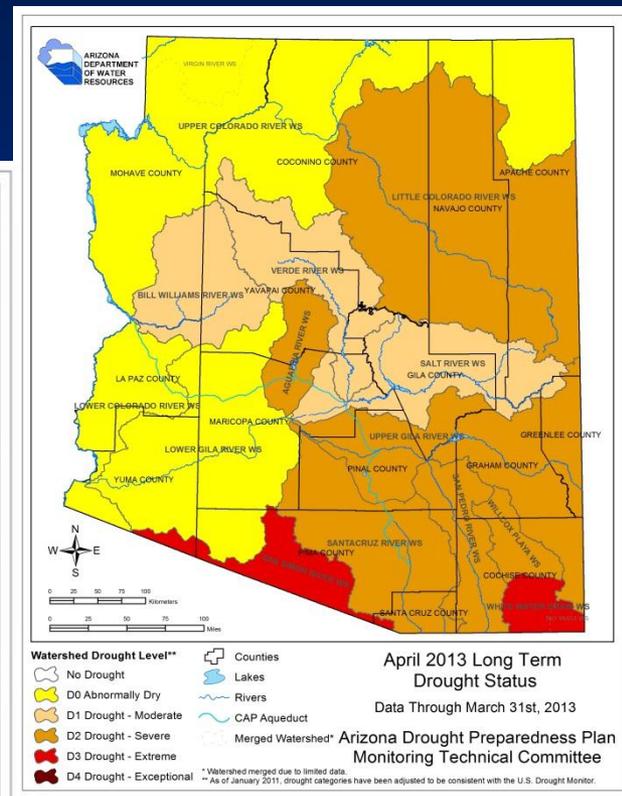
Generated 1/01/2013 at WRCC using provisional data.
NOAA Regional Climate Centers

Long Term Drought Status Comparison

April 2013

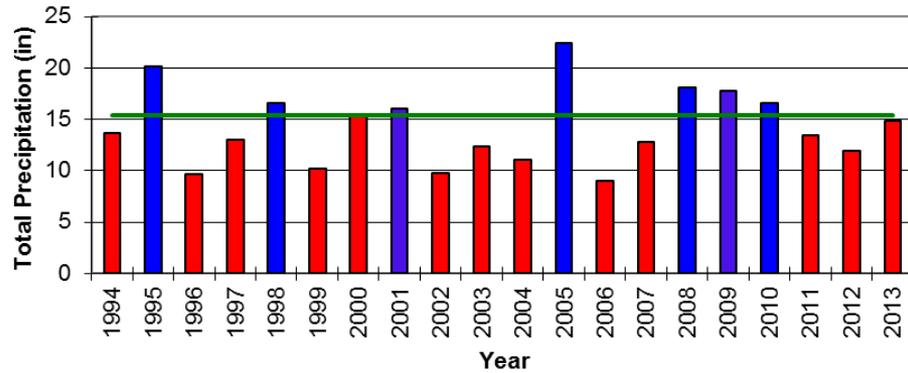
January 2013

April 2012

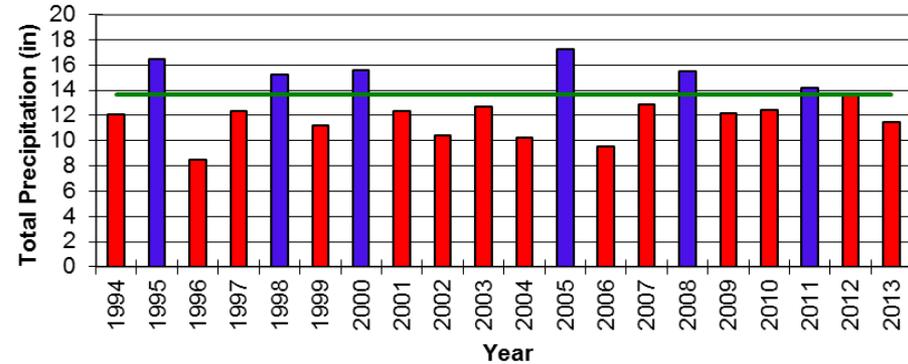


Precipitation in Selected Watersheds for Past 20 Years

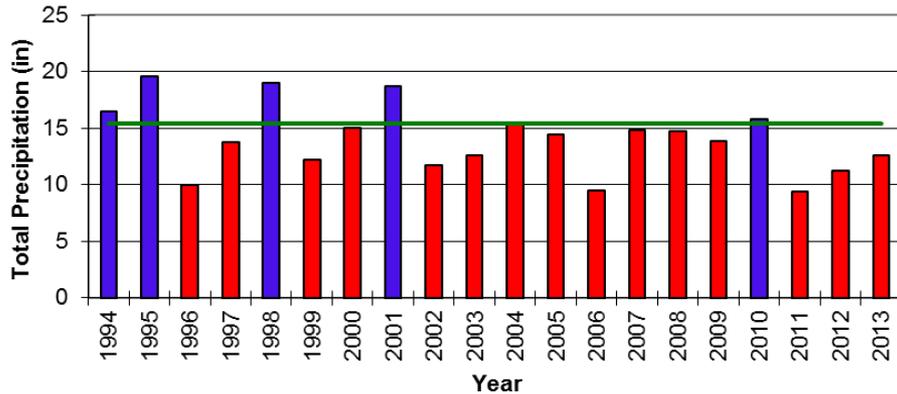
**Salt Watershed 12-month Precipitation
(Apr-Mar) Median 15.39"
7 of last 20 years > median**



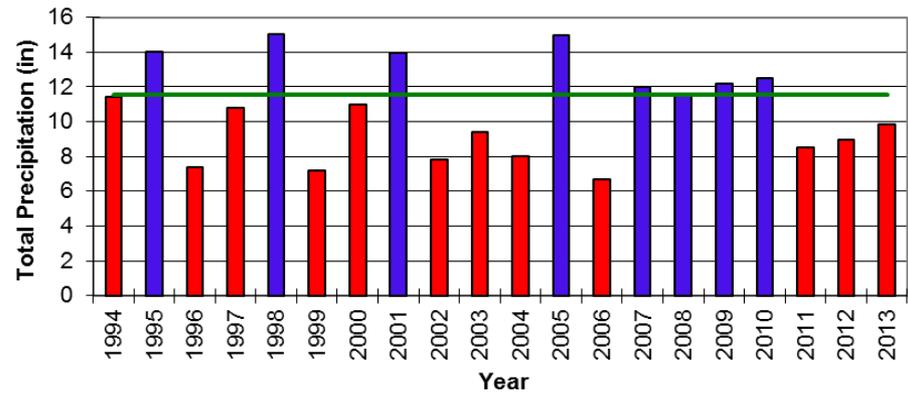
**Little Colorado Watershed 12-month Precipitation
(Apr-Mar) Median 13.63"
6 of last 20 years > median**



**Santa Cruz Watershed 12-month Precipitation
(Apr-Mar) Median 15.44"
5 of last 20 years > median**



**Upper Gila Watershed 12-month Precipitation
(Apr-Mar) Median 11.56"
8 of last 20 years > median**



Impacts

- **Even though Gila County is nearly normal on precipitation, the frequency and timing of events has not been ideal for spring green-up – particularly at the lower elevations.**
- **Graham & Greenlee Counties report:**
 - Unprecedented water restrictions and the possibility of shortages.
 - No ground moisture except where irrigated
 - Forage production is low
 - Surface water and stockponds dry.

Thank you !

Questions ?

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