



# Climate Update

### Nolan Doesken Colorado Climate Center

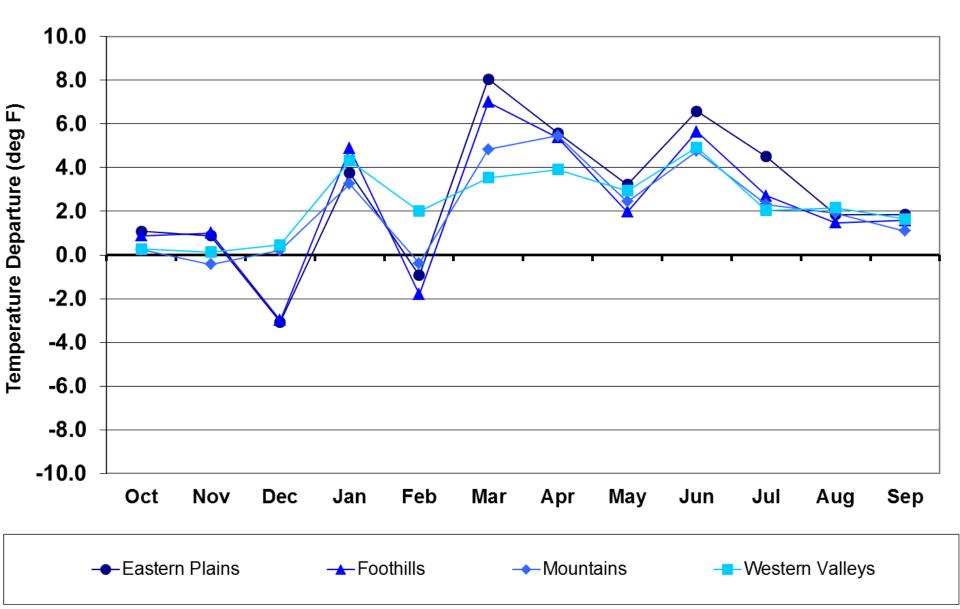
Atmospheric Science Department Colorado State University

> Presented to Water Availability Task Force November 20, 2012 Denver, CO

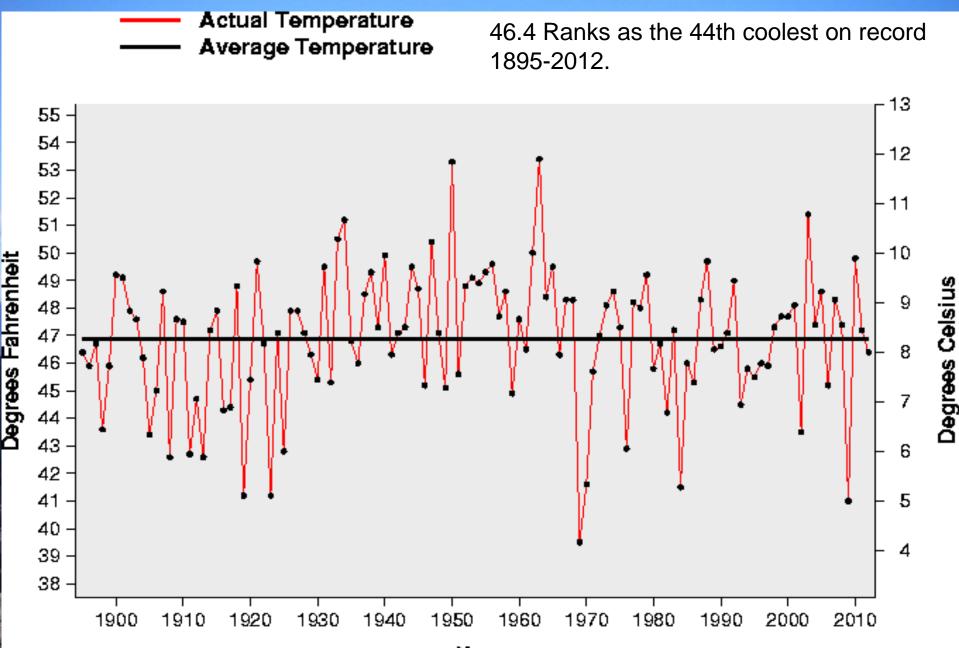
Prepared by Zach Schwalbe

### Water Year 2012 Temperature Departures

Water Year 2012



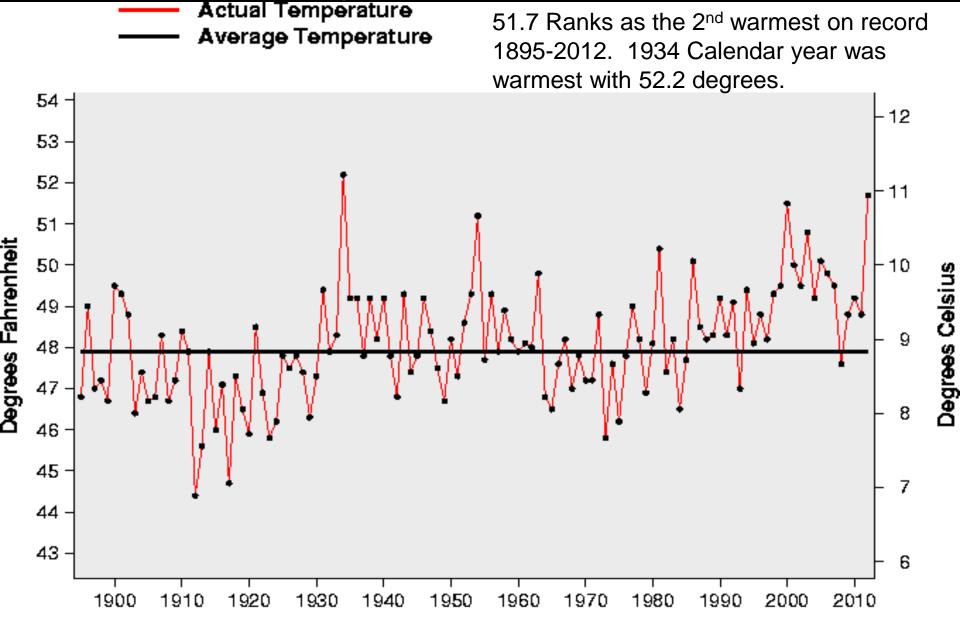
#### **October Average Temperature History for Colorado (NCDC)**



Year

NOAA's National Climatic Data Center

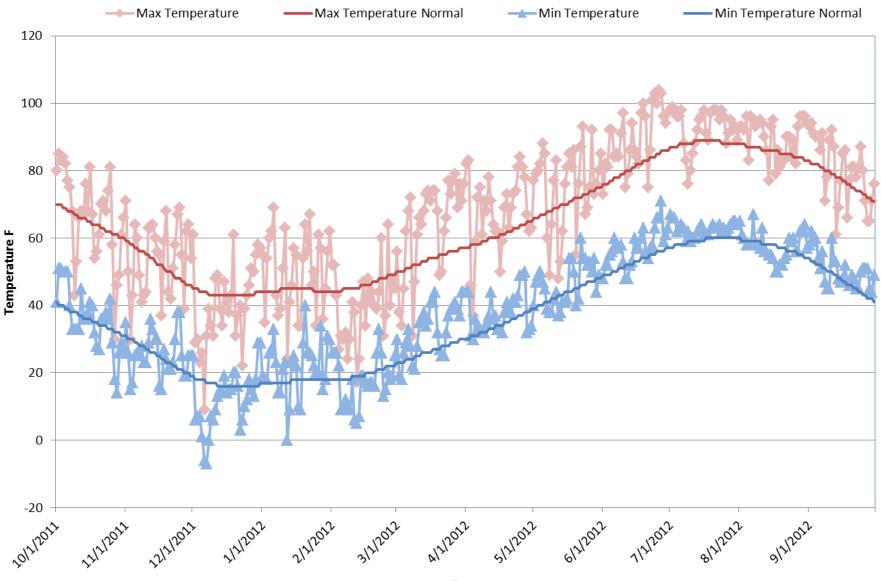
#### Calendar Year Average Temperature History for Colorado through October 2012 (NCDC)



Year

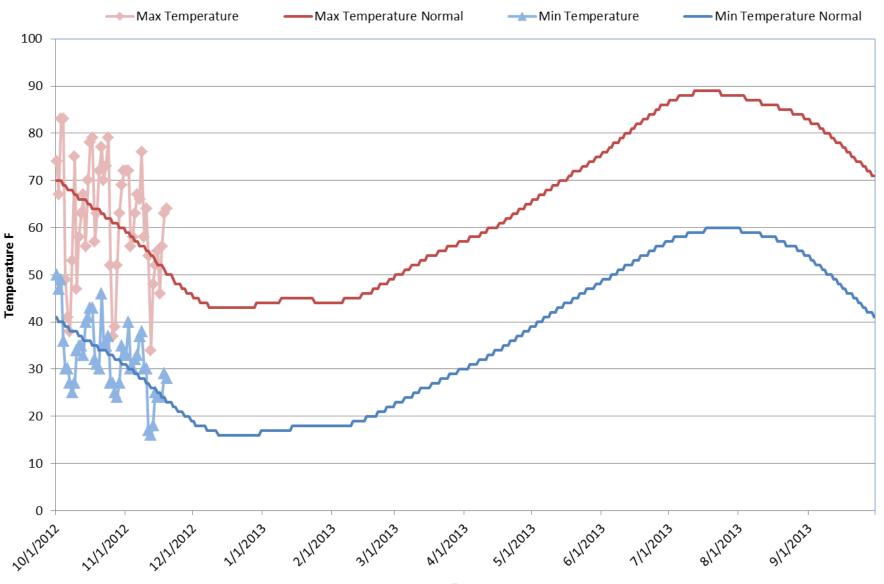
NOAA's National Climatic Data Center

#### **Denver Stapleton Daily Max/Min Temperatures and Normals**



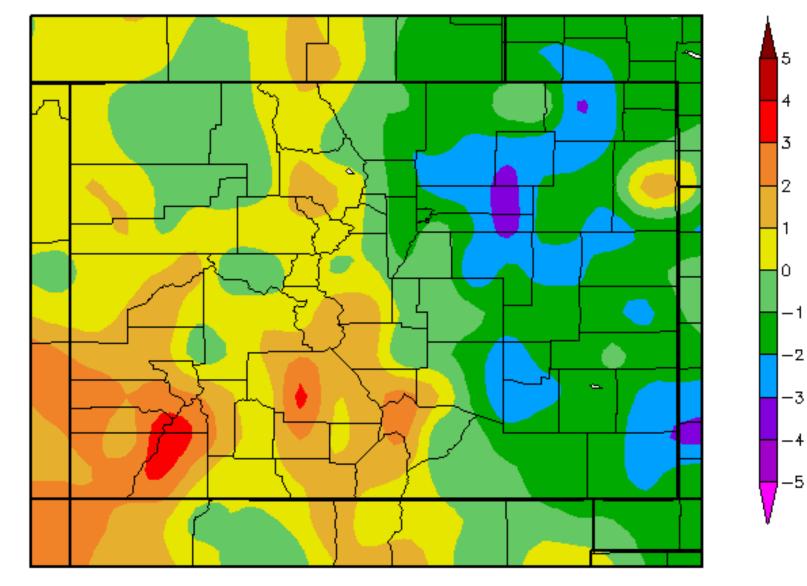
Date

#### Denver Stapleton Daily Max/Min Temperatures and Normals Water Year 2013



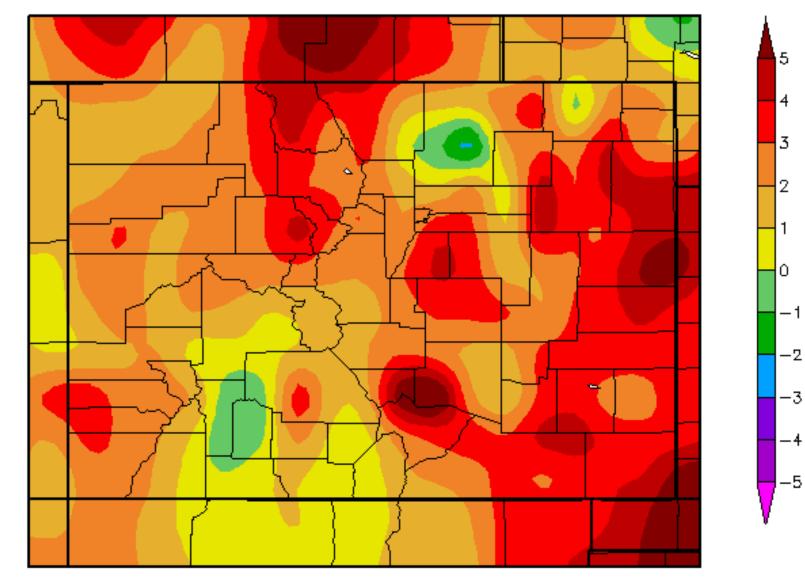
Date

### Departure from Normal Temperature (F) 10/1/2012 - 10/31/2012



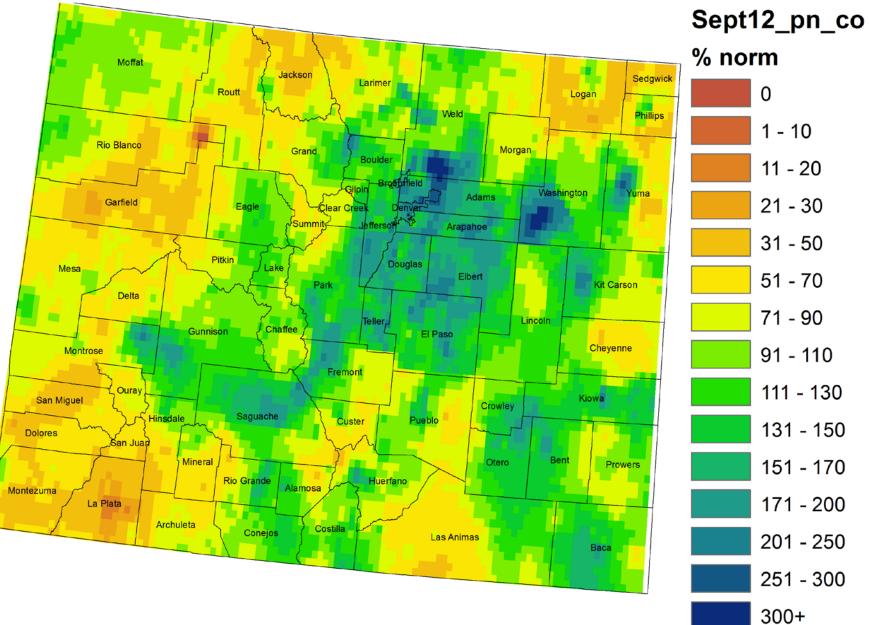
Generated 11/11/2012 at HPRCC using provisional data.

### Departure from Normal Temperature (F) 11/1/2012 - 11/18/2012

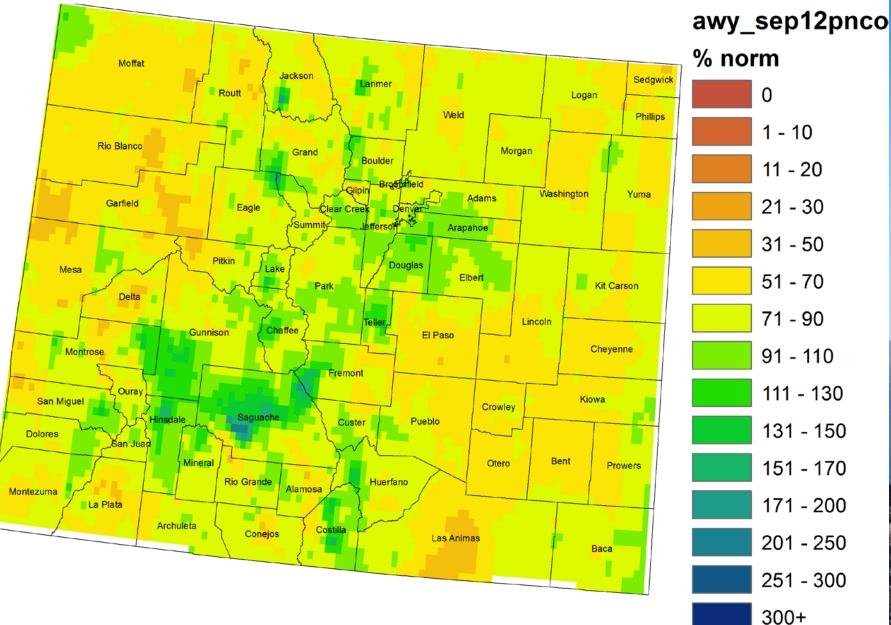


Generated 11/19/2012 at HPRCC using provisional data.

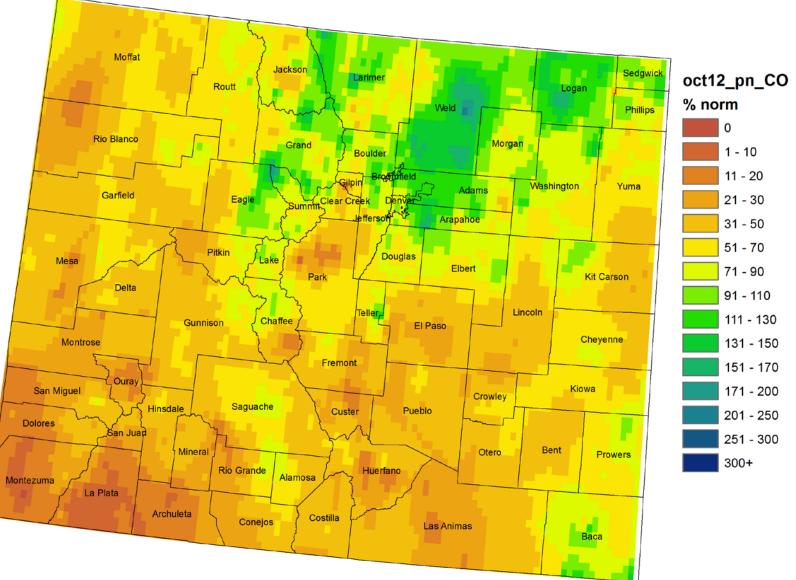
#### Colorado September 2012 Precipitation as Percentage of Normal

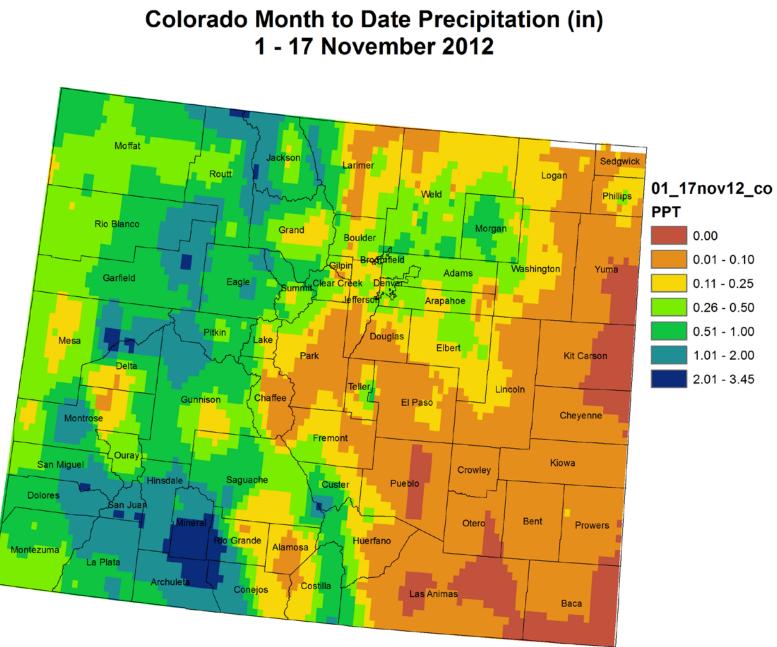


#### Colorado Water Year 2012 Precipitation as Percentage of Normal (Oct 2011 - Sep 2012)

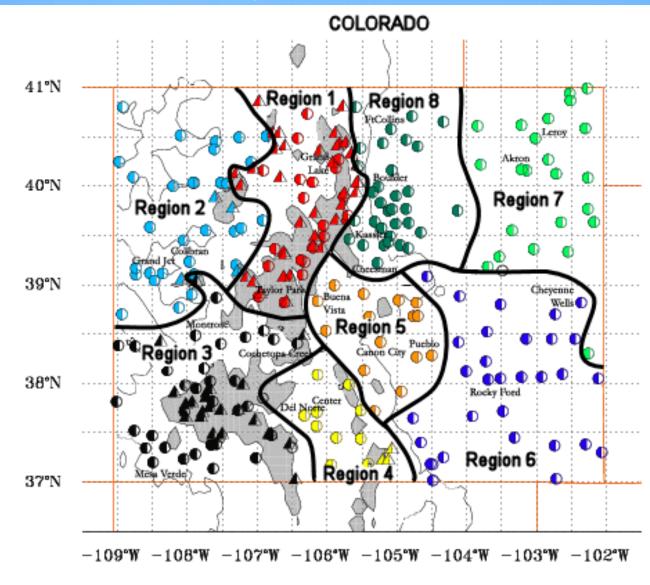


#### **Colorado October 2012 Precipitation as Percentage of Normal**



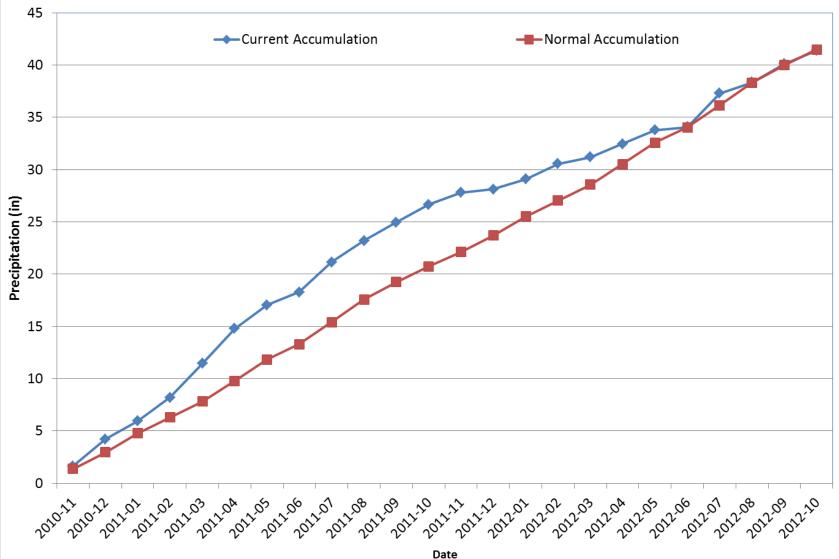


# Climate divisions defined by Dr. Klaus Wolter of NOAA's Climate Diagnostic Center in Boulder, CO



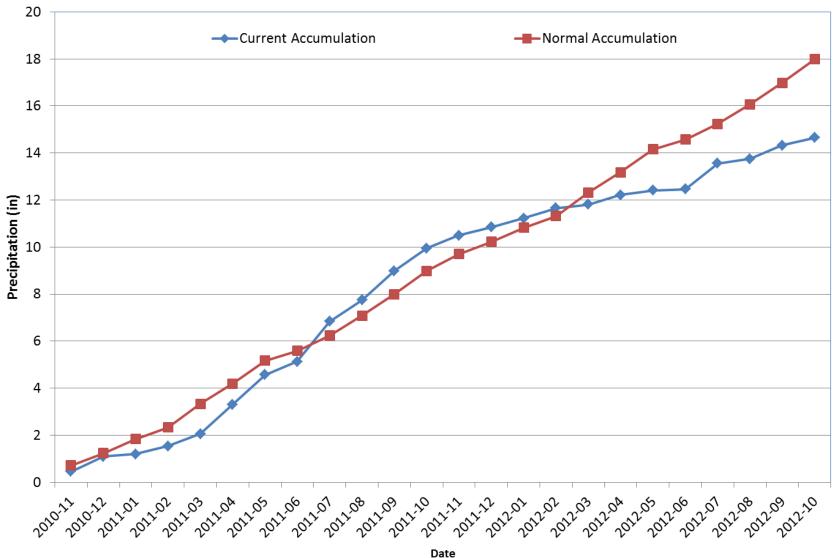
## Division 1 – Grand Lake 1NW



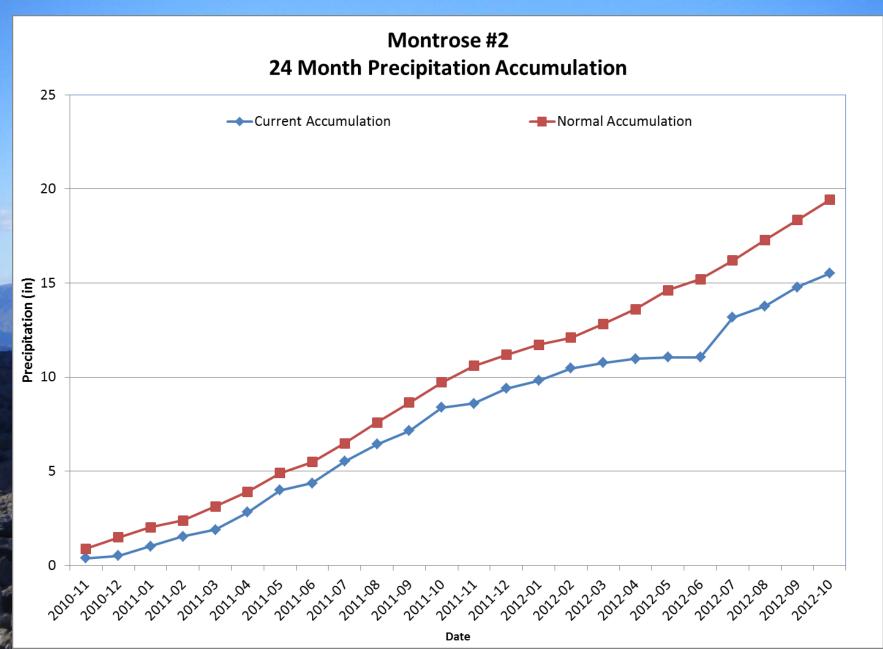


### **Division 2 – Grand Junction**

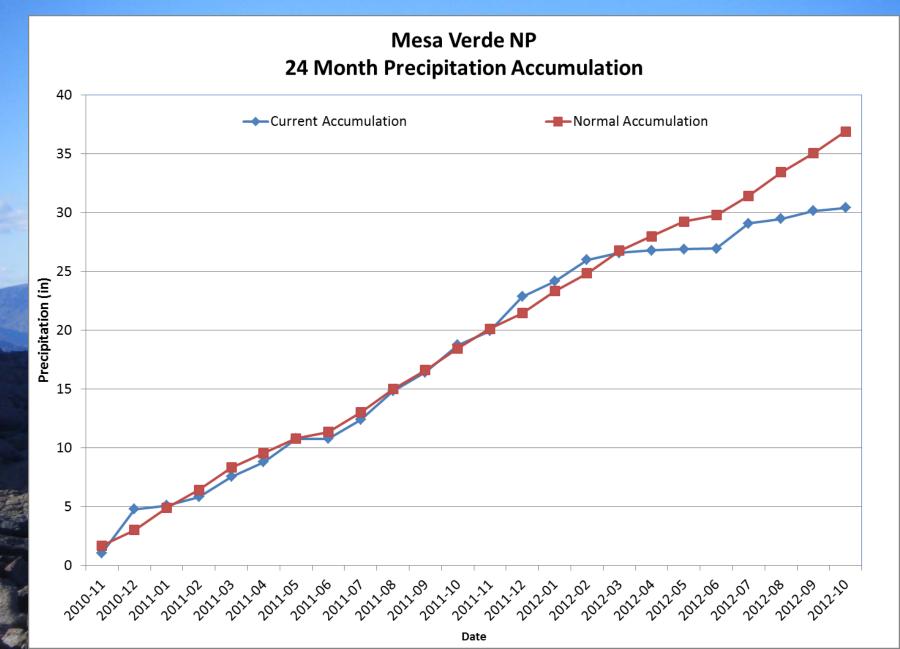




## Division 3 – Montrose

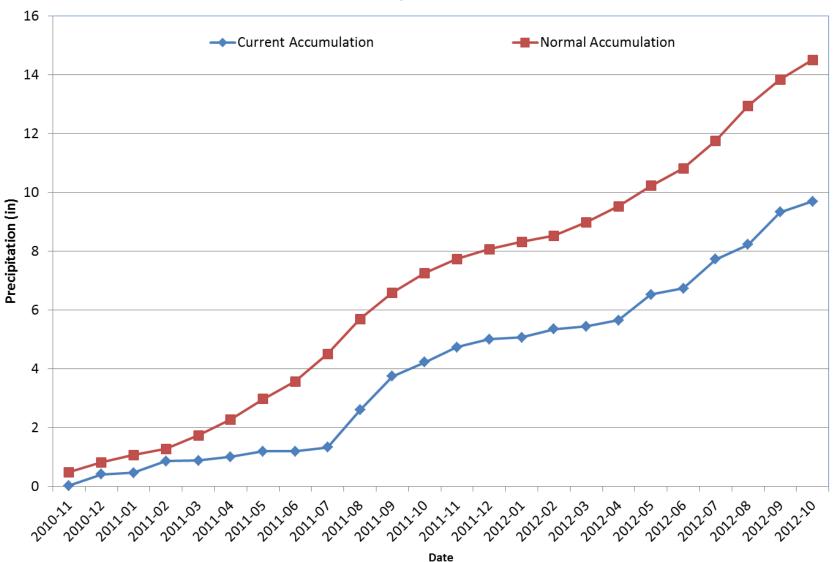


## Division 3 – Mesa Verde NP

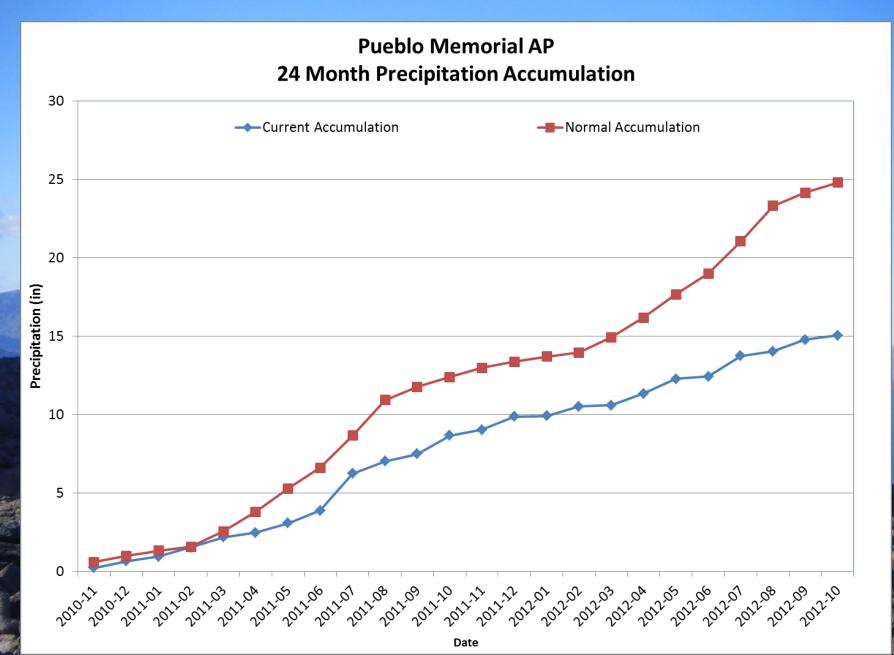


### Division 4 – Alamosa

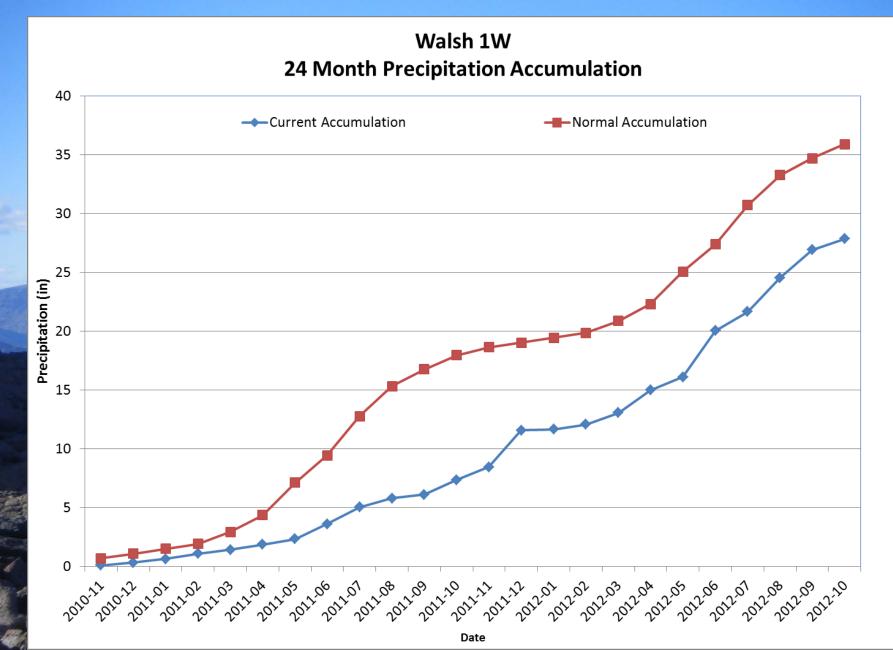
Alamosa WSO 24 Month Precipitation Accumulation



## Division 5 – Pueblo

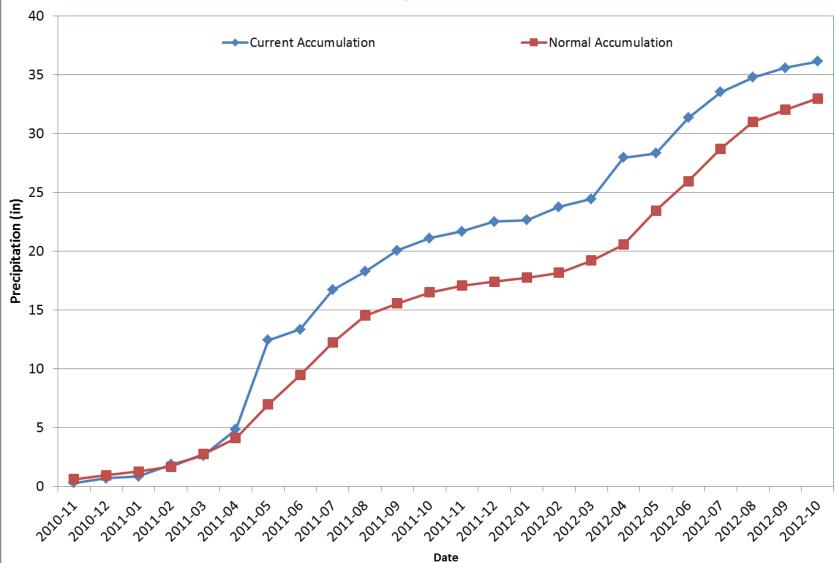


## Division 6 - Walsh

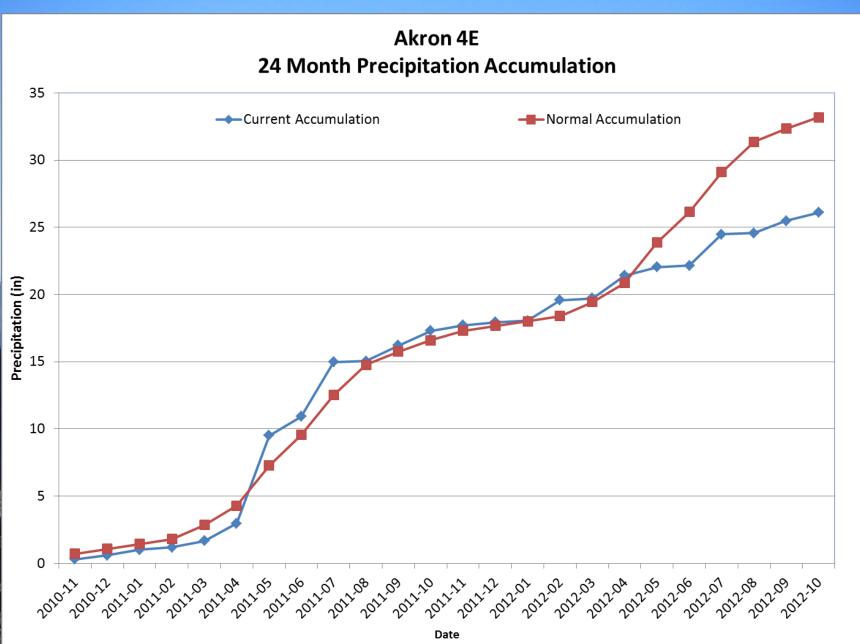


## **Division 6 - Burlington**

Burlington, CO 24 Month Precipitation Accumulation

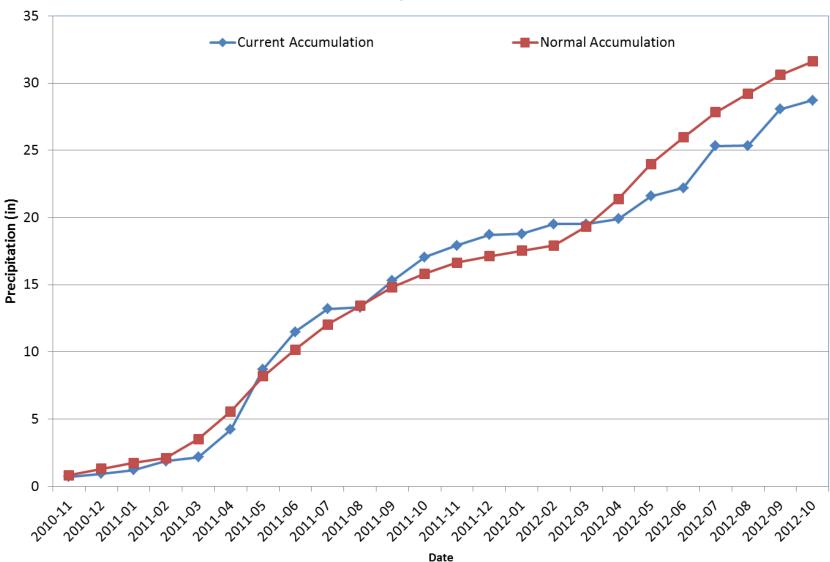


## Division 7 – Akron

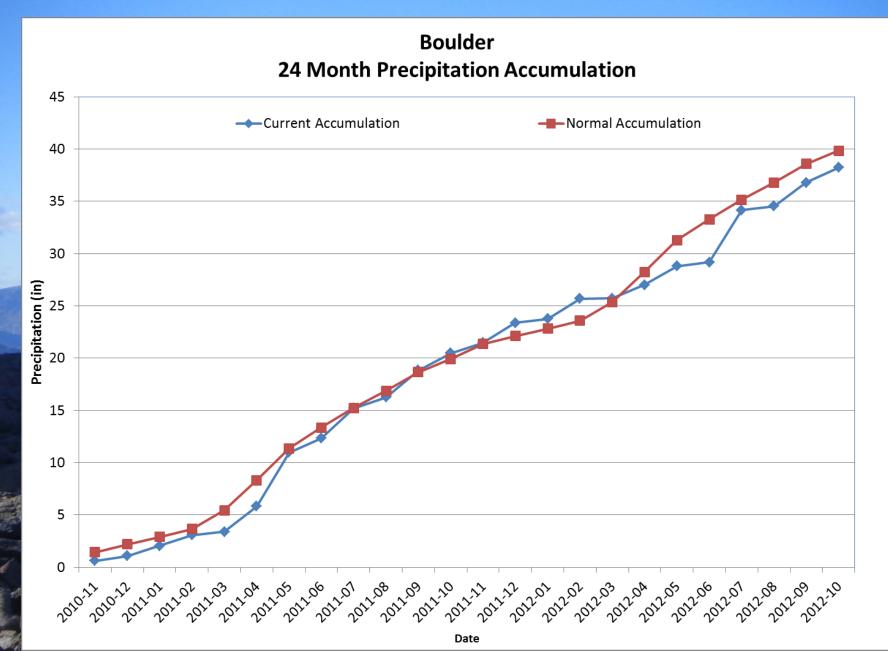


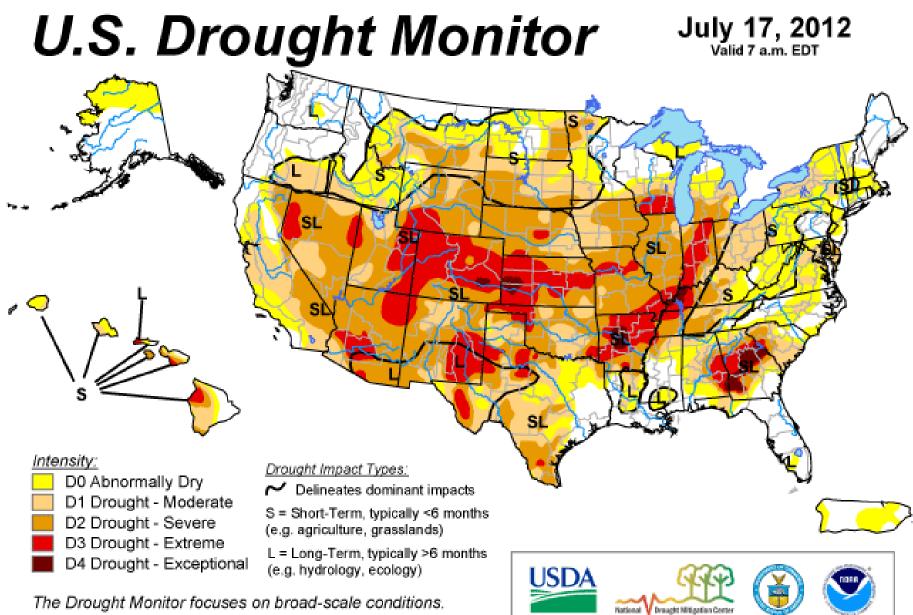
## **Division 8 – Fort Collins**

Fort Collins 24 Month Precipitation Accumulation



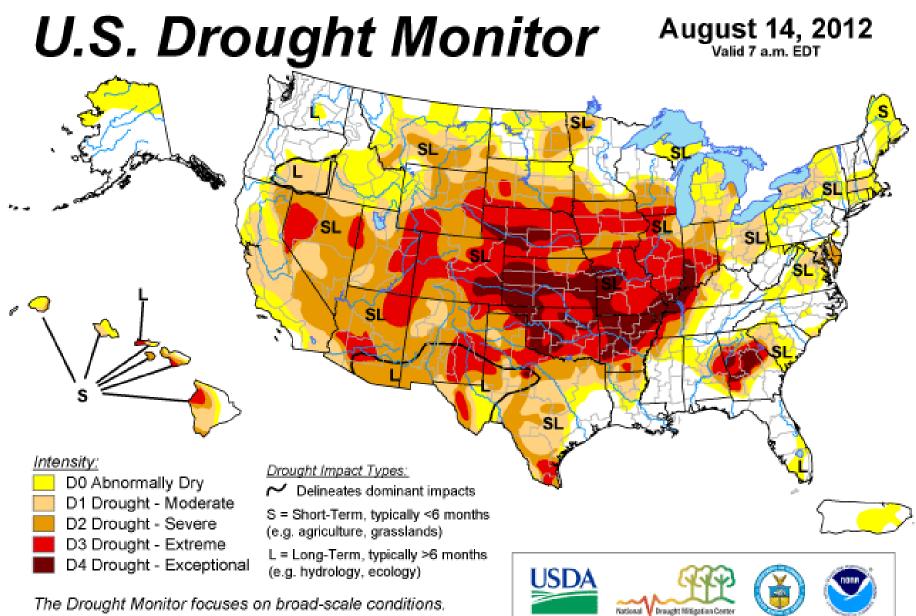
## **Division 8 - Boulder**





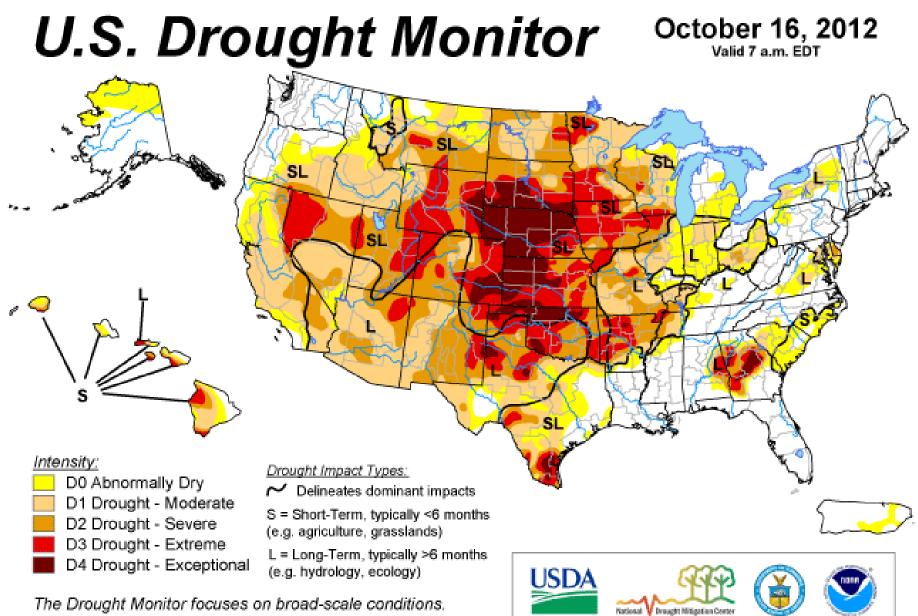
#### http://droughtmonitor.unl.edu/

Released Thursday, July 19, 2012 Author: Richard Heim/Liz Love-Brotak, NOAA/NESDIS/NCDC



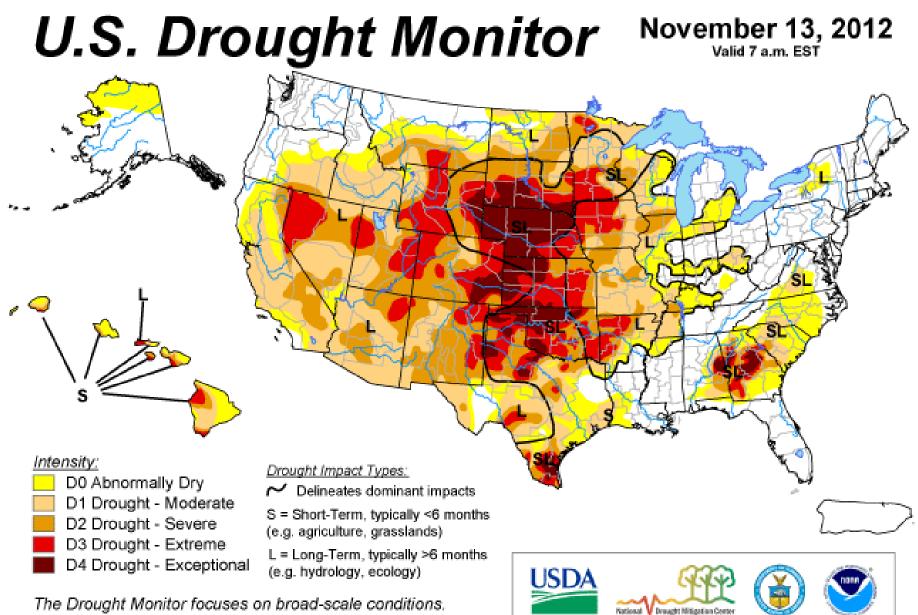
#### http://droughtmonitor.unl.edu/

Released Thursday, August 16, 2012 Author: Michael Brewer/Liz Love-Brotak, NOAA/NESDIS/NCDC



#### http://droughtmonitor.unl.edu/

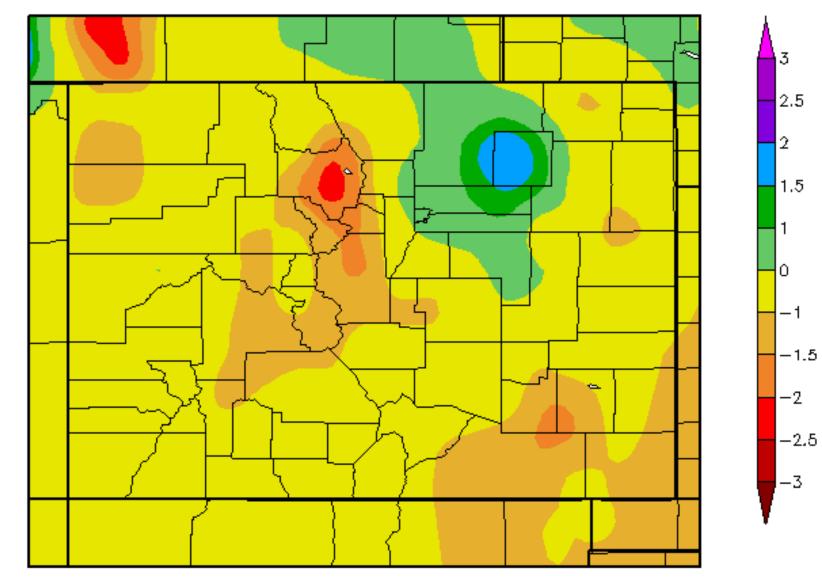
Released Thursday, October 18, 2012 Author: Matthew Rosencrans, NOAA/NWS/NCEP/CPC



#### http://droughtmonitor.unl.edu/

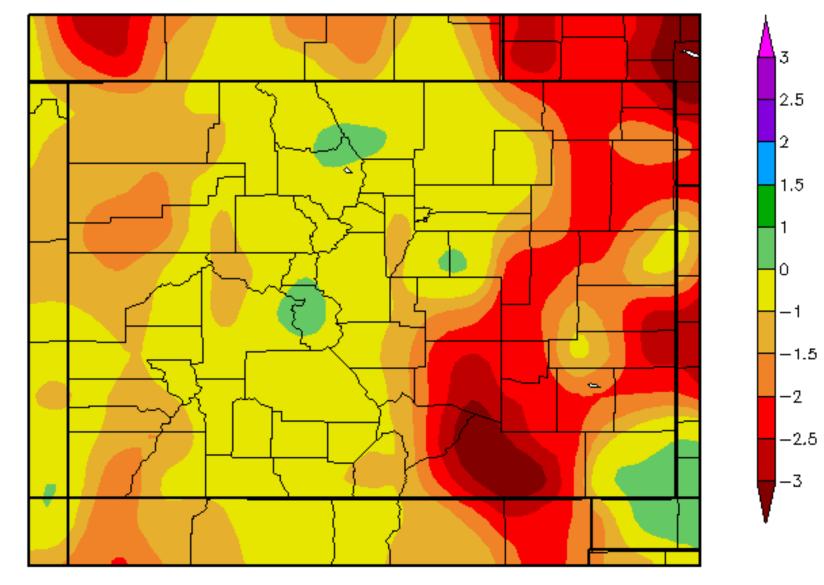
Released Thursday, November 15, 2012 Author: David Miskus, NOAA/NWS/NCEP/CPC

### 30 Day SPI 10/20/2012 - 11/18/2012



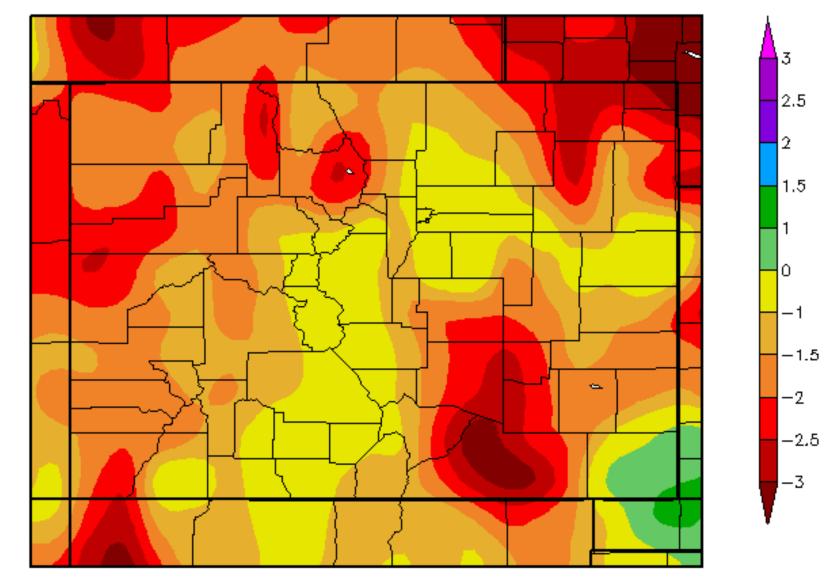
Generated 11/19/2012 at HPRCC using provisional data.

### 6 Month SPI 5/19/2012 - 11/18/2012

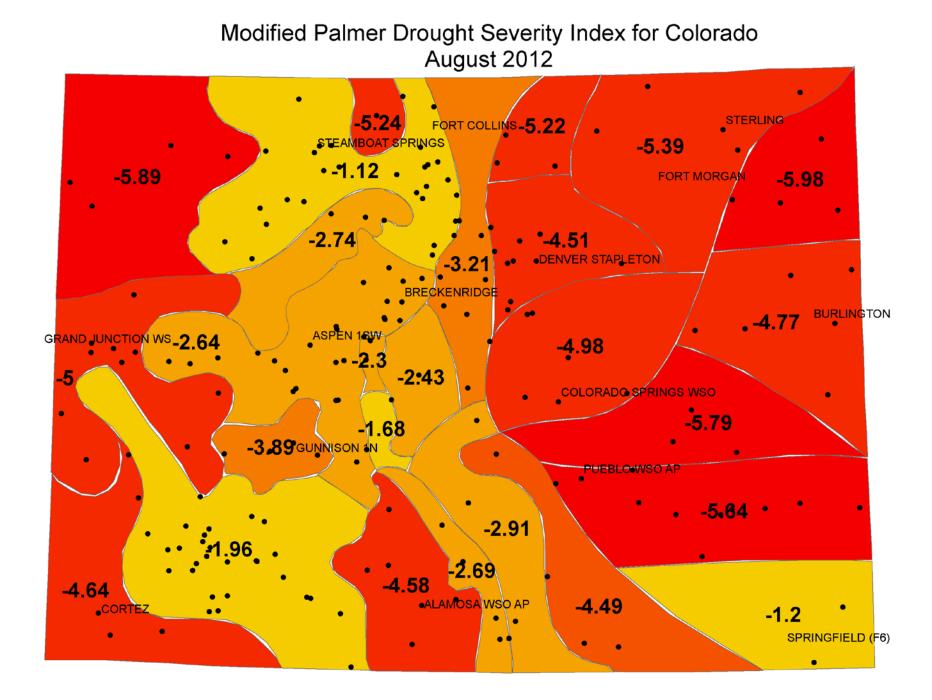


Generated 11/19/2012 at HPRCC using provisional data.

#### 12 Month SPI 11/19/2011 - 11/18/2012



Generated 11/19/2012 at HPRCC using provisional data.



## **Colorado Climate Center**

Data and Power Point Presentations available for downloading http://ccc.atmos.colostate.edu/droughtpresentations.php







Knowledge to Go Place