





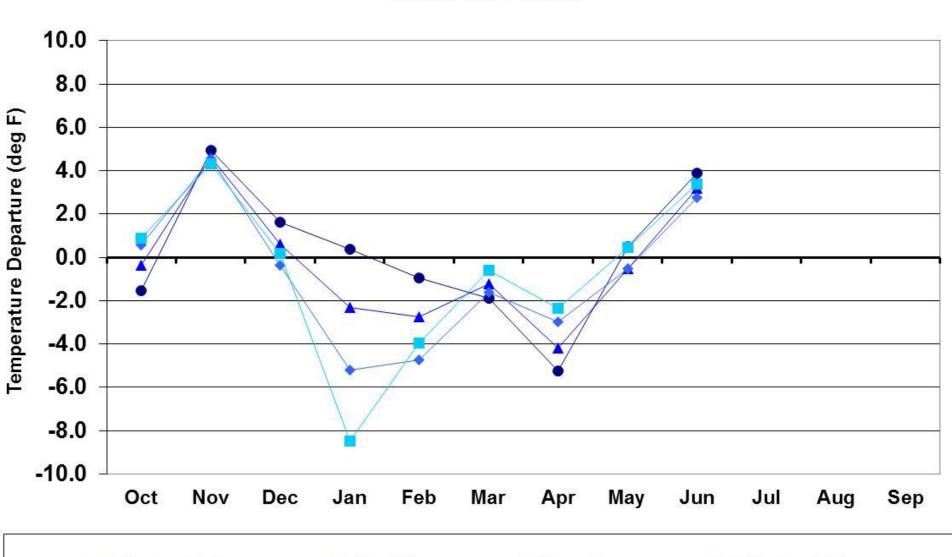
### Wendy Ryan Colorado Climate Center

**Assistant State Climatologist Colorado State University** 

Presented to Water Availability Task Force 17 July 2013 Denver, CO

#### Water Year 2013 Temperature Departures





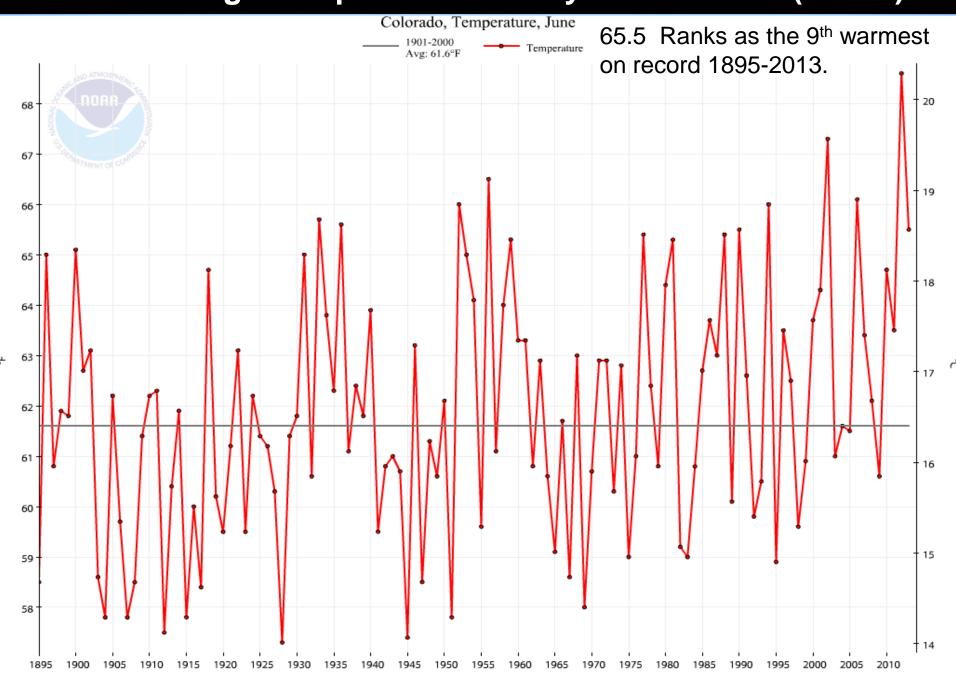
Mountains

--- Western Valleys

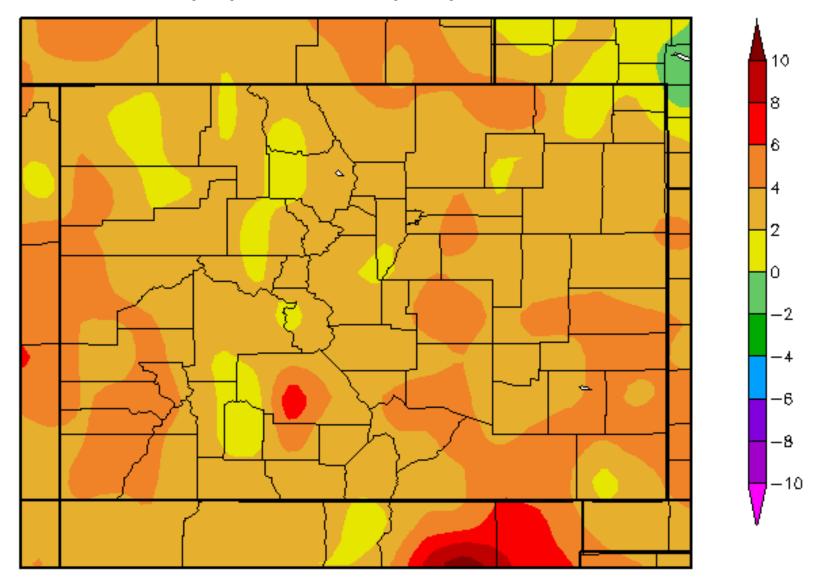
--- Foothills

Eastern Plains

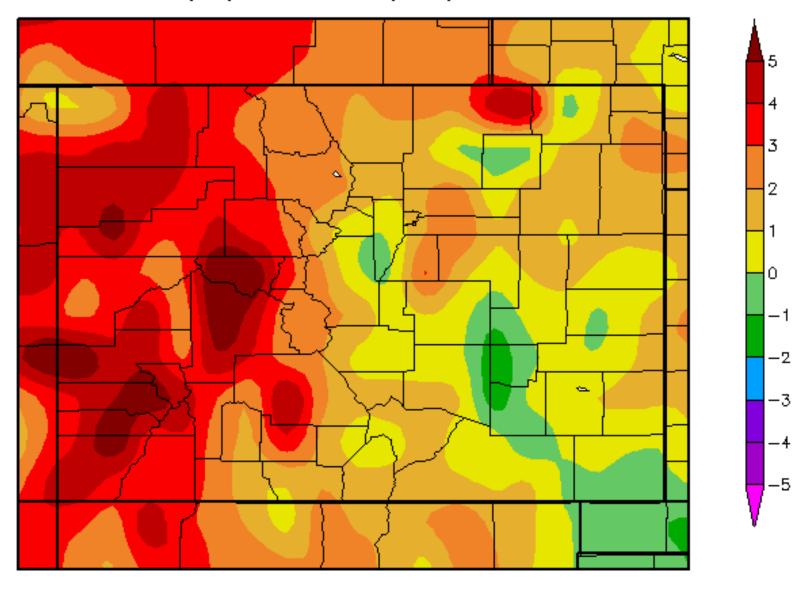
#### June Average Temperature History for Colorado (NCDC)



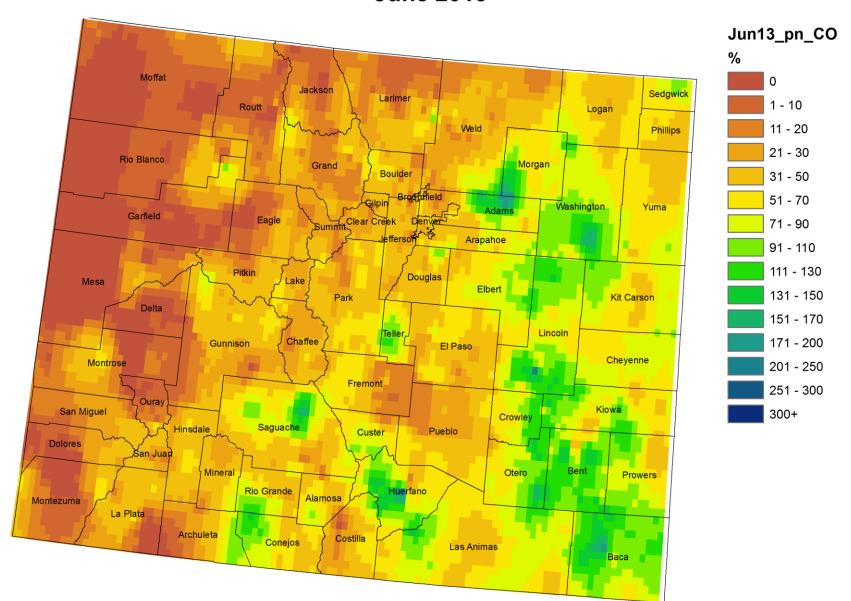
Departure from Normal Temperature (F) 6/1/2013 - 6/30/2013



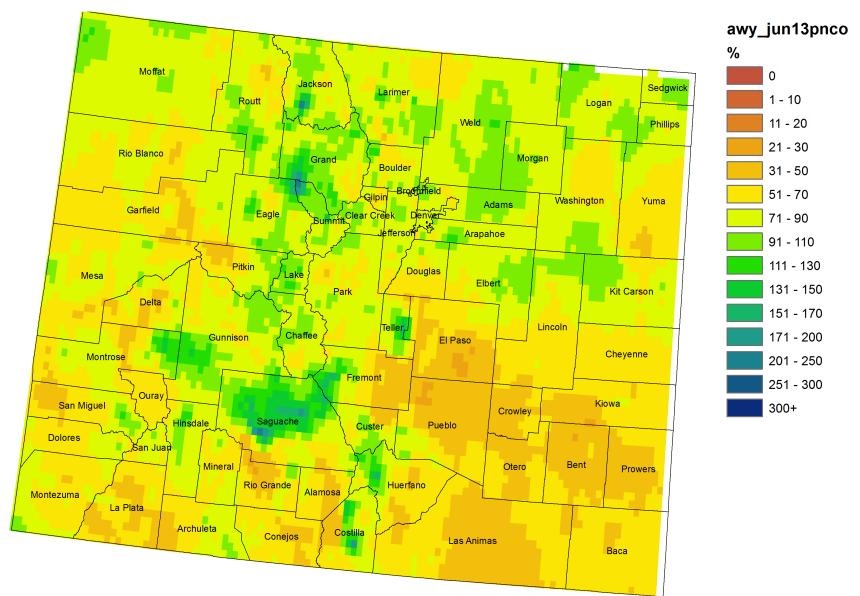
Departure from Normal Temperature (F) 7/1/2013 - 7/16/2013



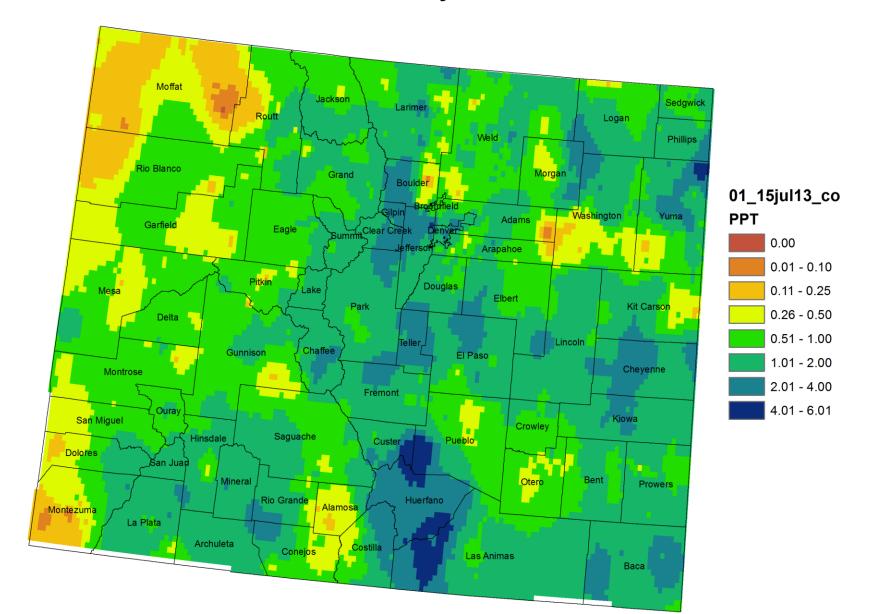
#### Colorado Precipitation as Percentage of Normal June 2013



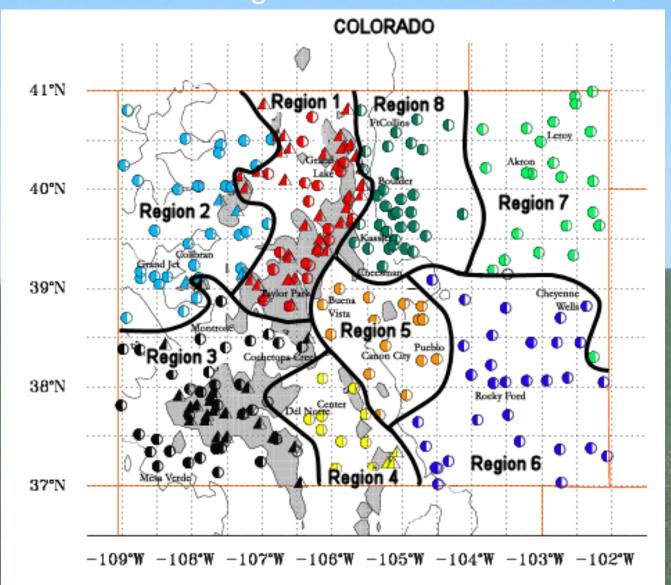
## Colorado Water Year 2013 Precipitation as Percentage of Normal (Oct 12 - Jun 13)



#### Colorado Month to Date Precipitation (in) 1 - 15 July 2013

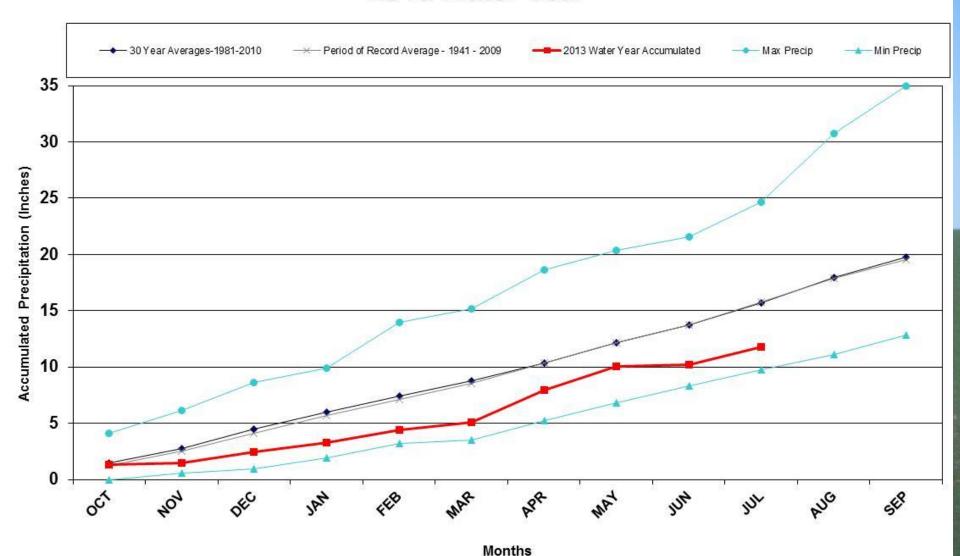


# Climate divisions defined by Dr. Klaus Wolter of NOAA's Climate Diagnostic Center in Boulder, CO



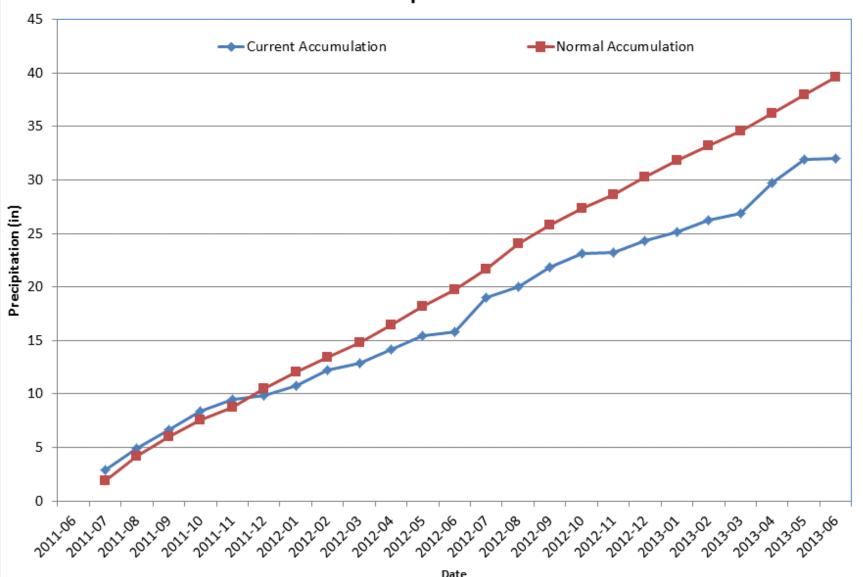
## Division 1 – Grand Lake 1NW

## Grand Lake 1 NW 2013 Water Year



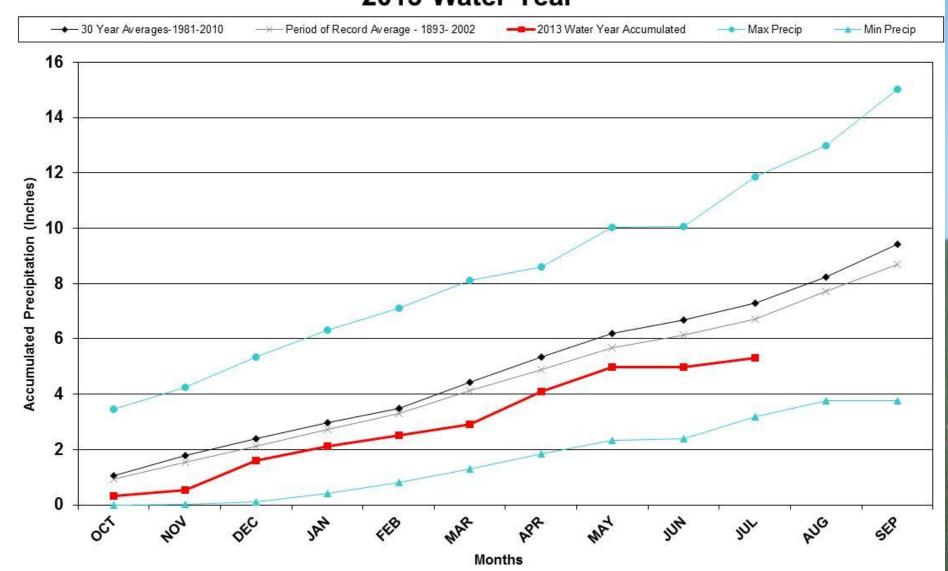
### Division 1 – Grand Lake 1NW

### Grand Lake 1NW 24 Month Precipitation Accumulation



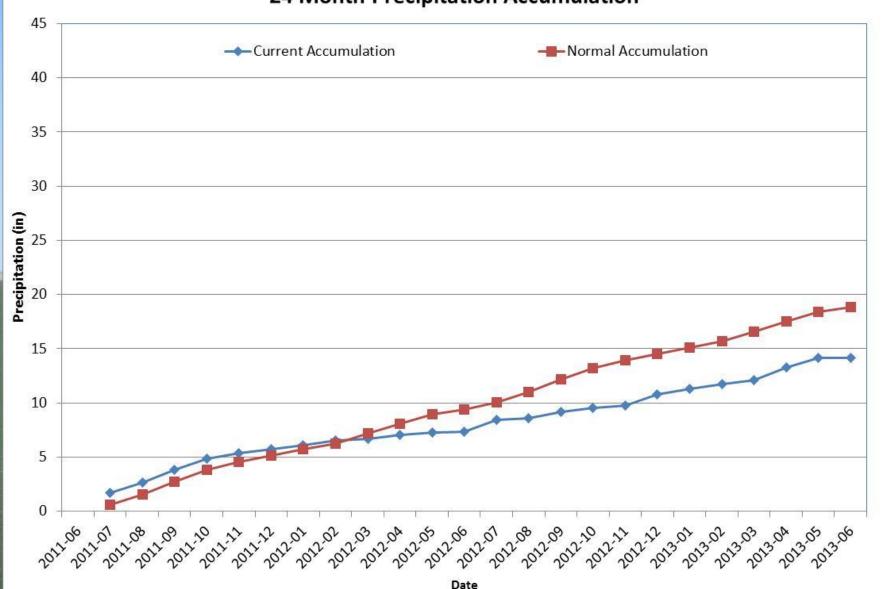
#### Division 2 – Grand Junction

## Grand Junction WSFO 2013 Water Year



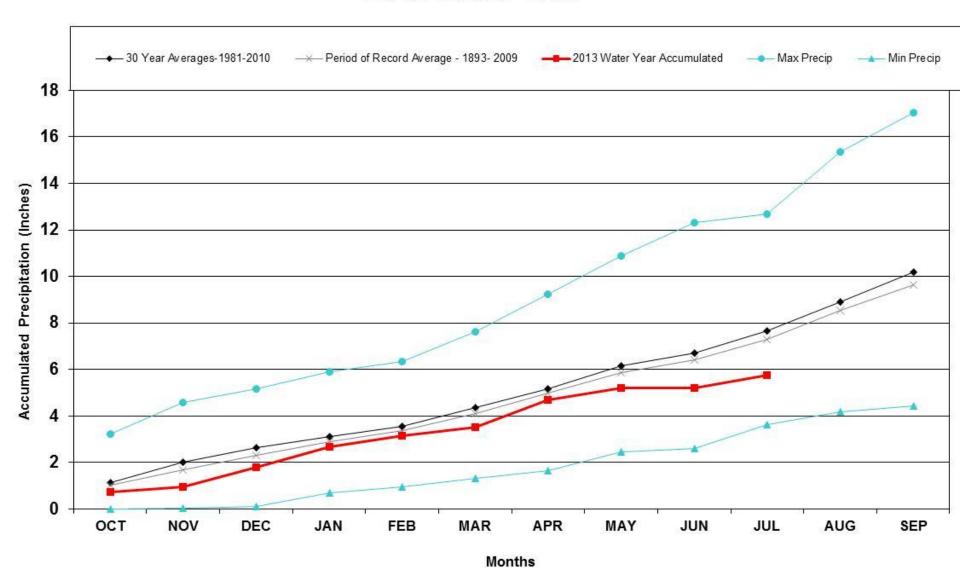
#### Division 2 – Grand Junction

## Grand Junction 24 Month Precipitation Accumulation



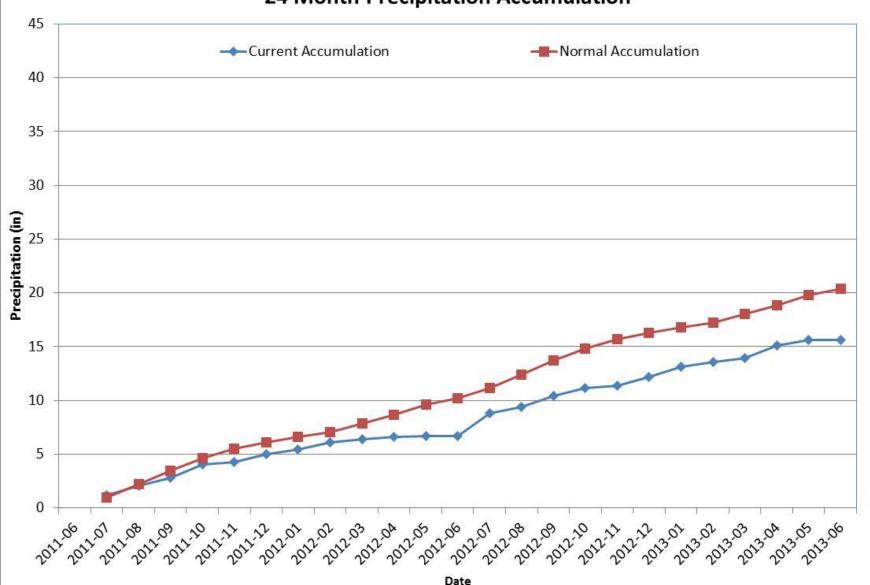
## Division 3 – Montrose

## Montrose #2 2013 Water Year



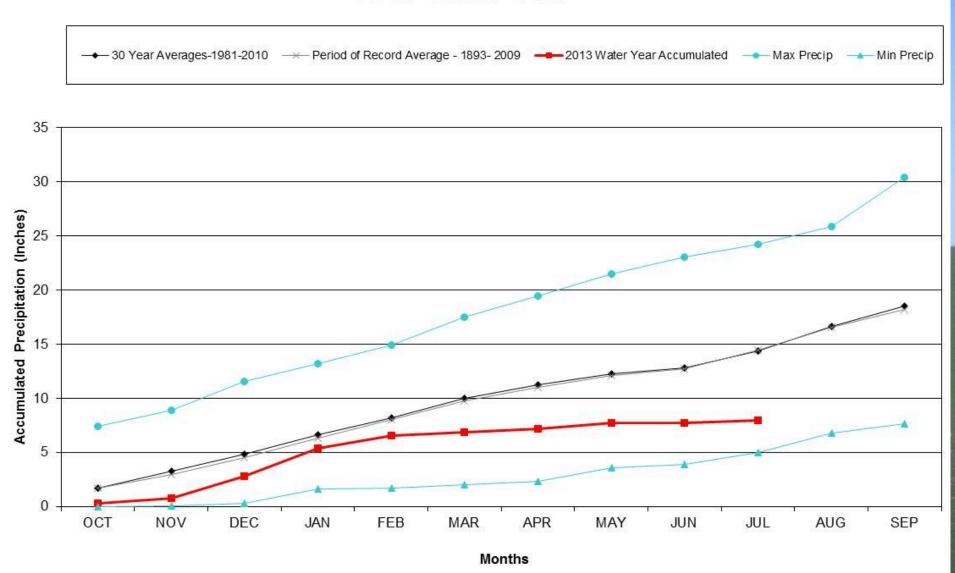
## Division 3 – Montrose

Montrose #2
24 Month Precipitation Accumulation



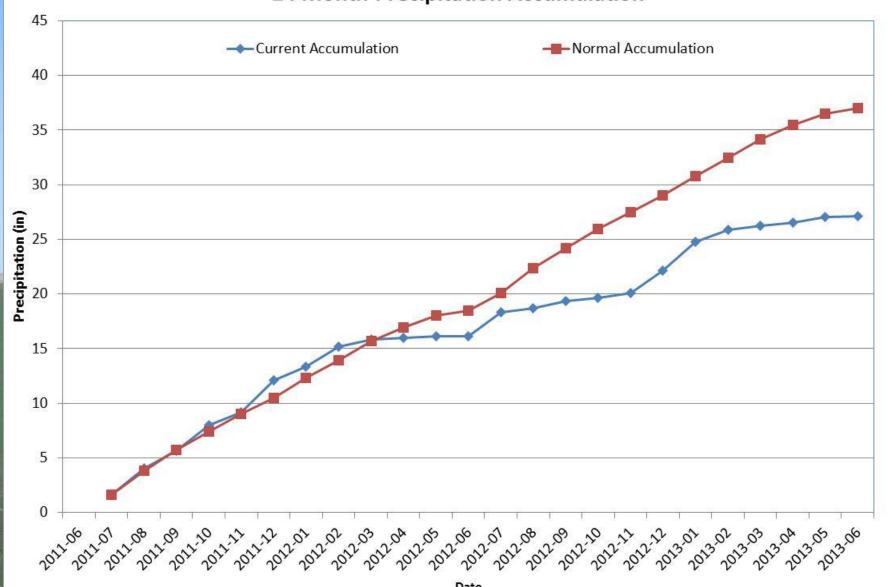
## Division 3 – Mesa Verde NP

## Mesa Verde NP 2013 Water Year



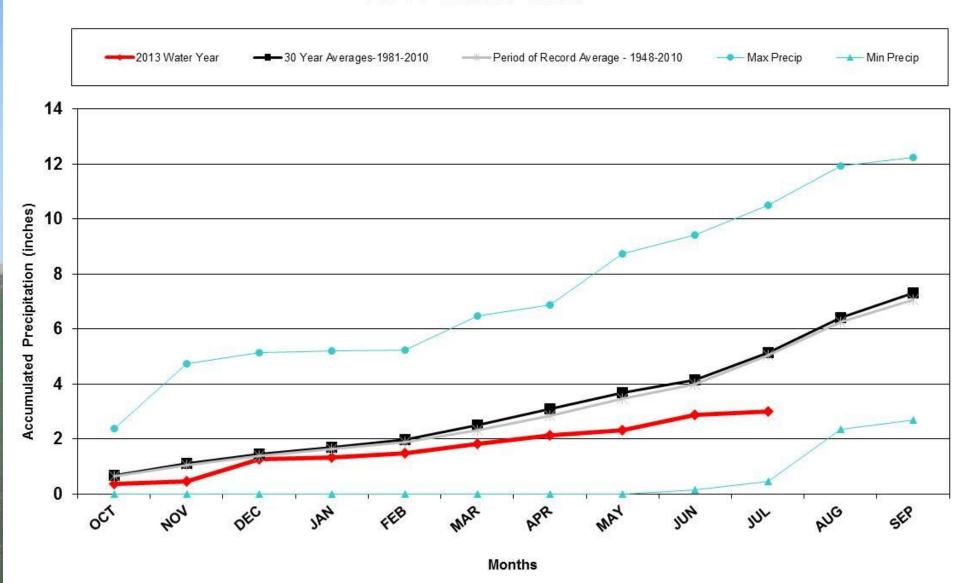
### Division 3 – Mesa Verde NP



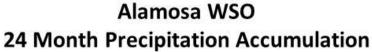


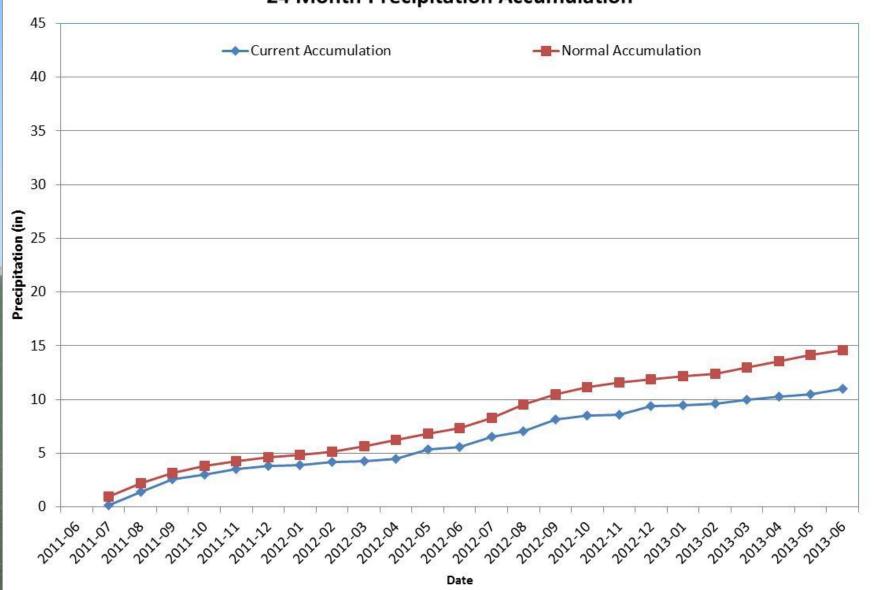
### Division 4 – Alamosa

## Alamosa WSO 2013 Water Year



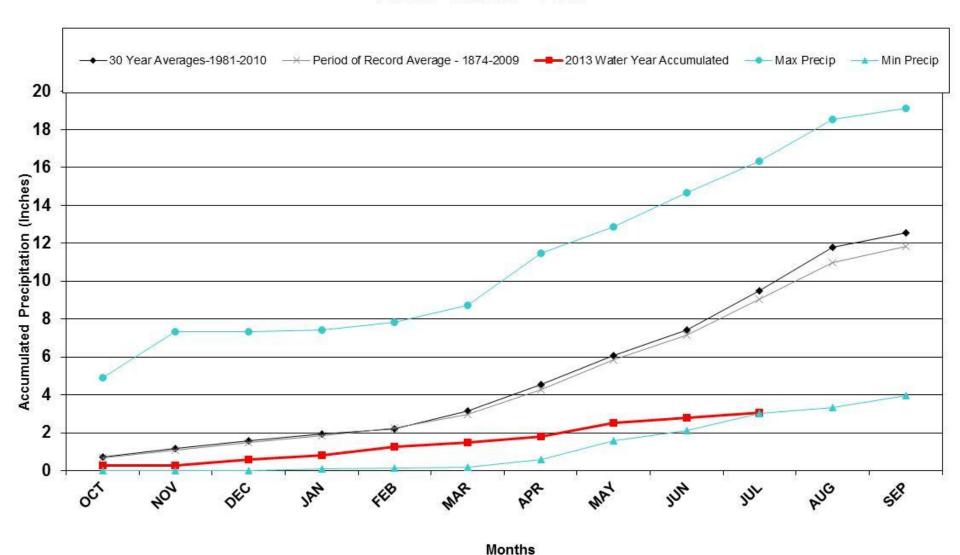
## Division 4 – Alamosa





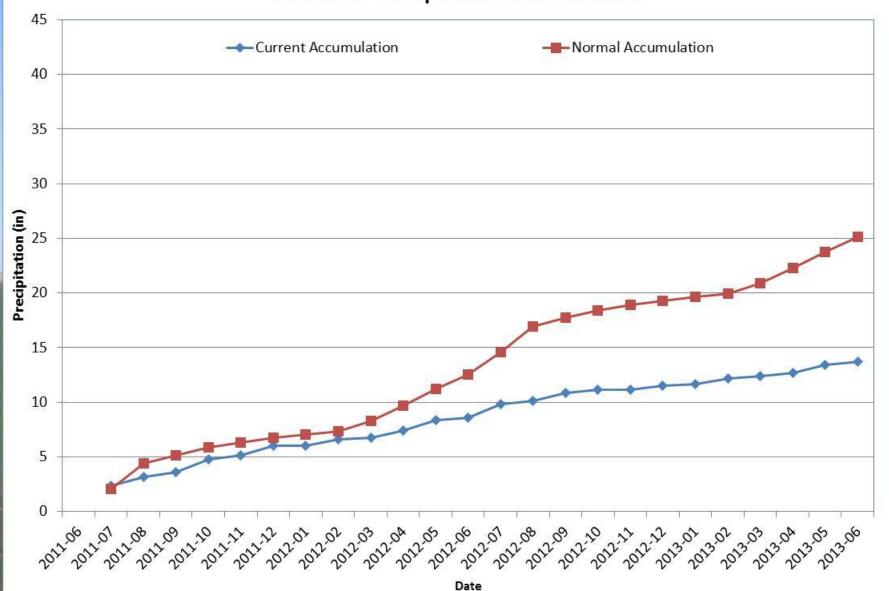
## Division 5 – Pueblo

## Pueblo WSO 2013 Water Year



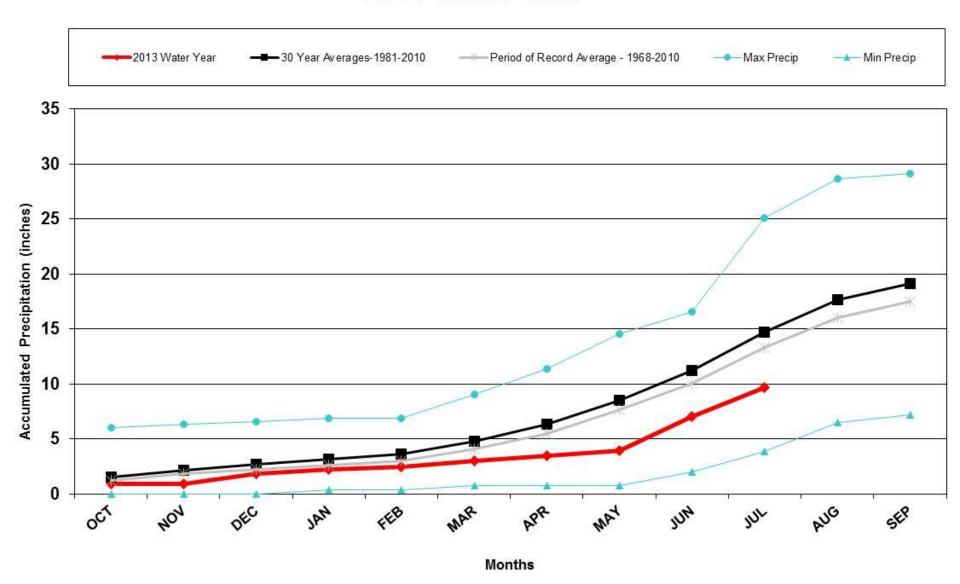
#### Division 5 – Pueblo

### Pueblo Memorial AP 24 Month Precipitation Accumulation



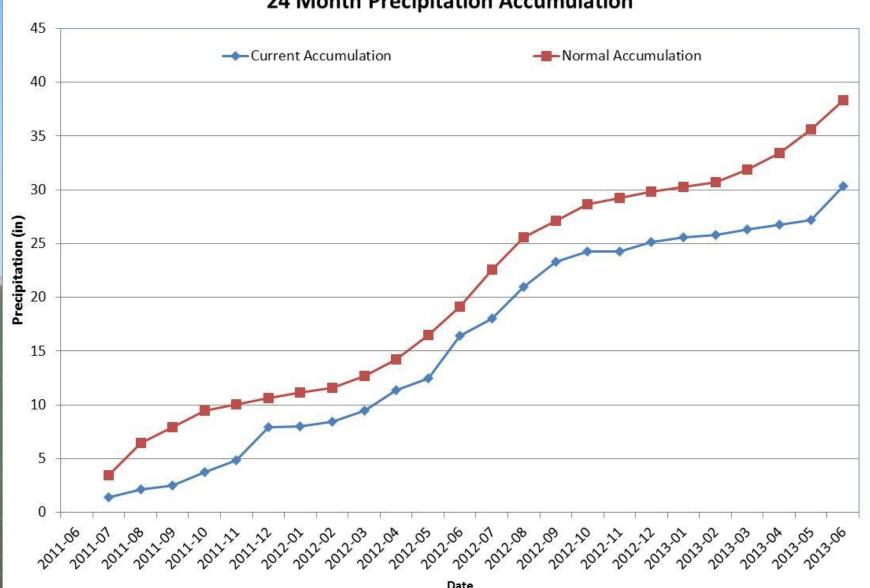
## Division 6 - Walsh

#### Walsh 2013 Water Year



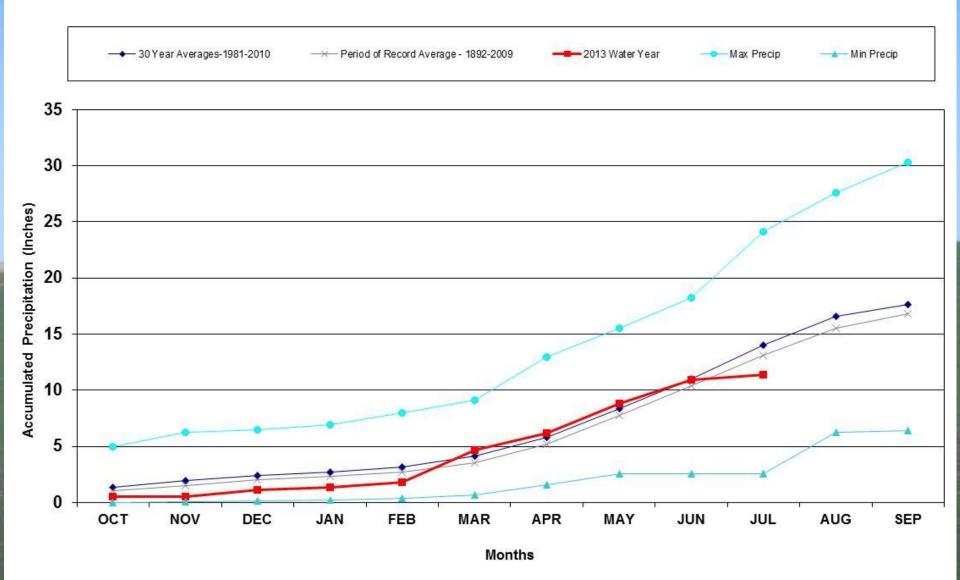
## Division 6 - Walsh

Walsh 1W
24 Month Precipitation Accumulation

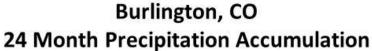


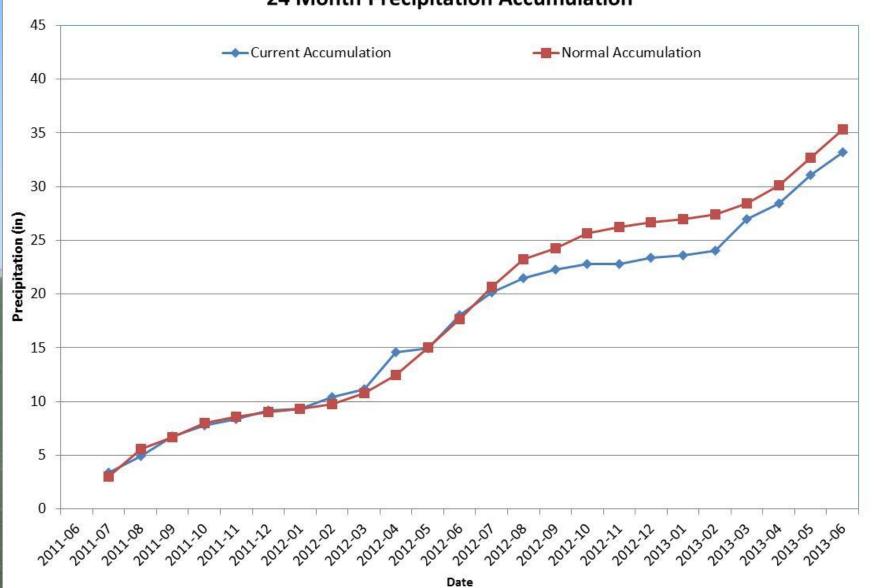
## Division 6 - Burlington

## Burlington 2013 Water Year



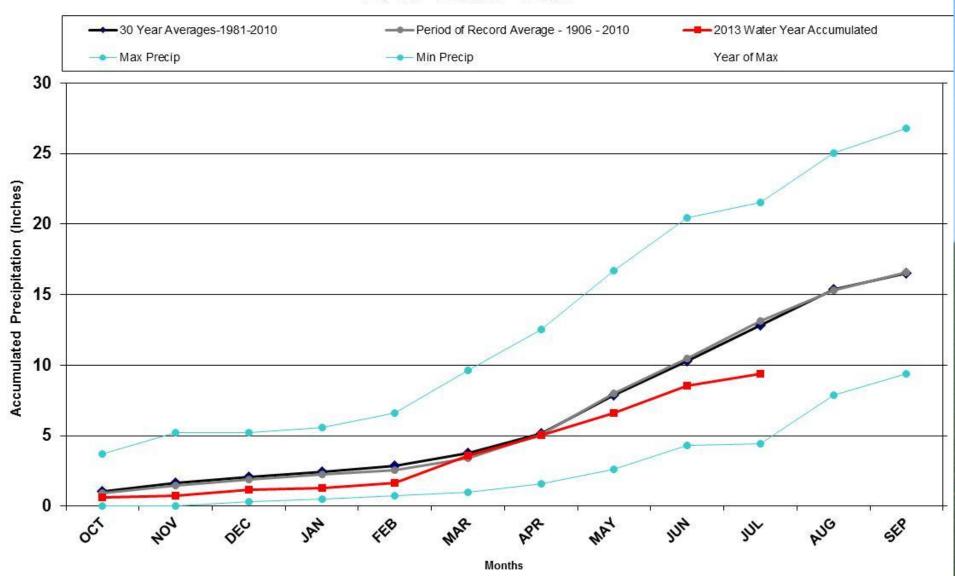
## Division 6 - Burlington





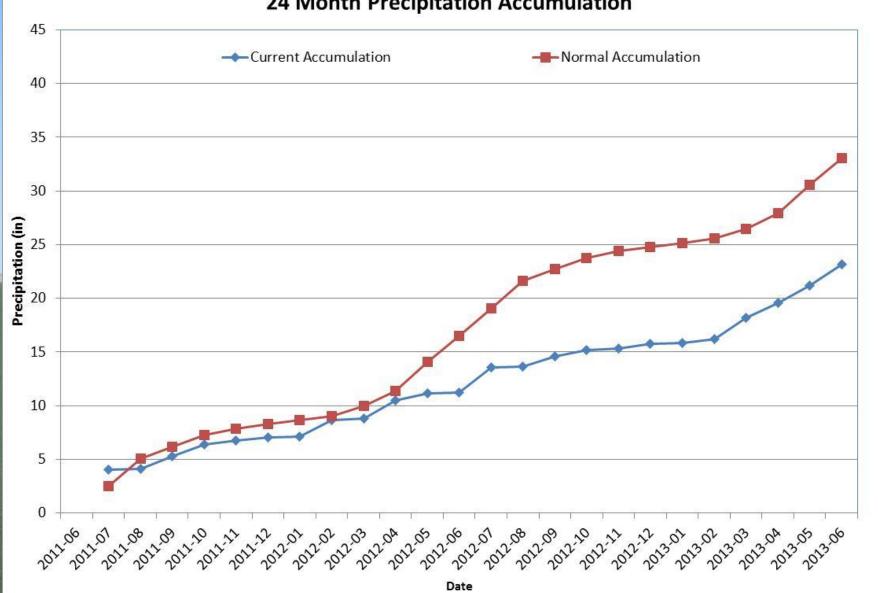
## Division 7 – Akron

#### Akron 4E 2013 Water Year



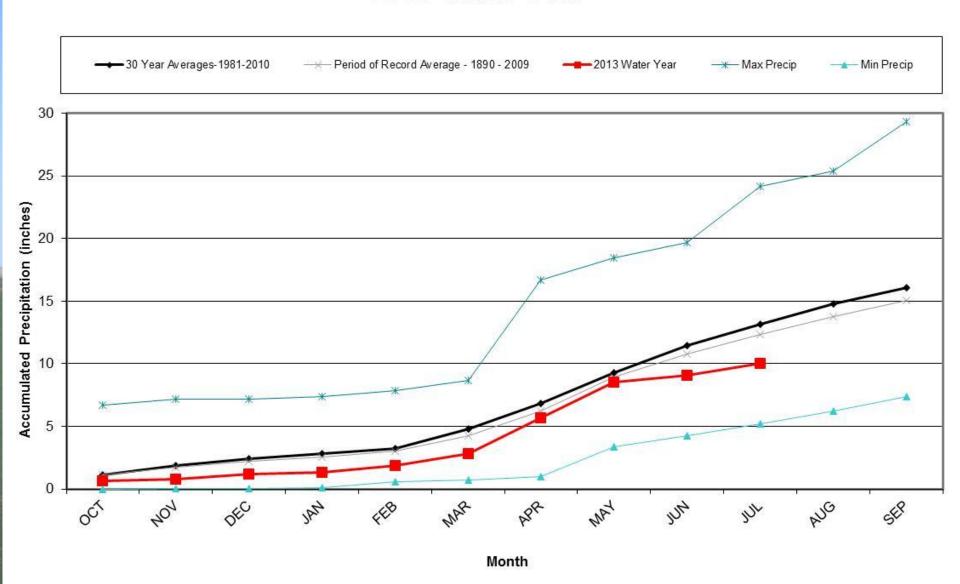
### Division 7 – Akron





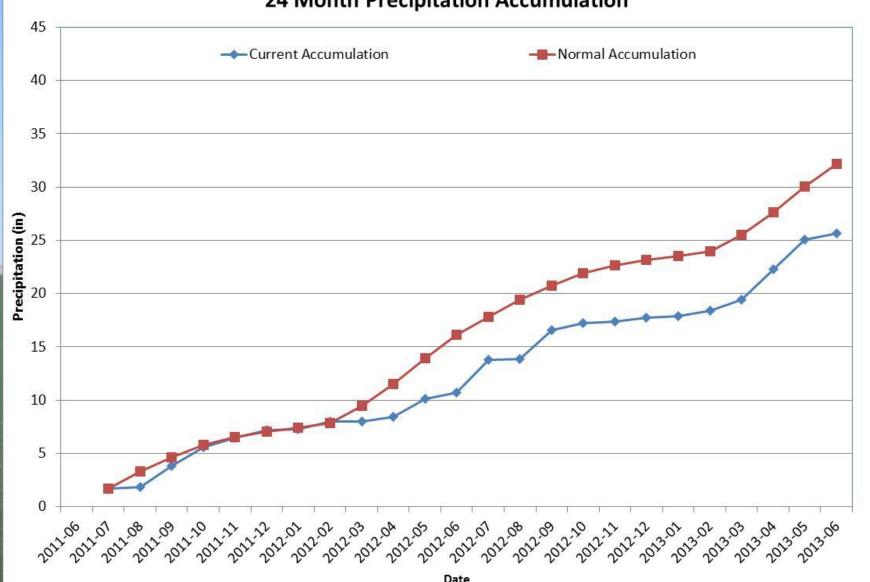
### Division 8 – Fort Collins

# Fort Collins 2013 Water Year



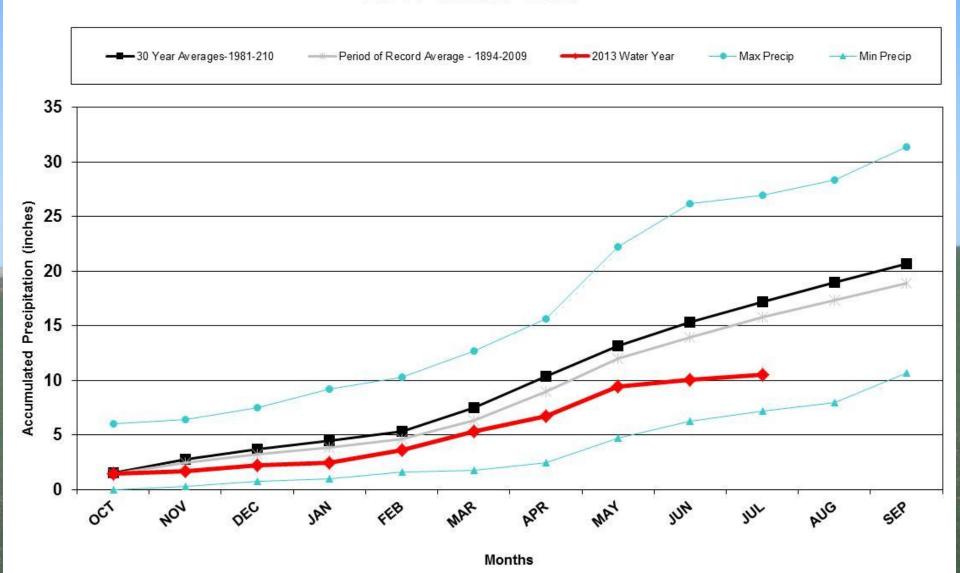
## Division 8 – Fort Collins





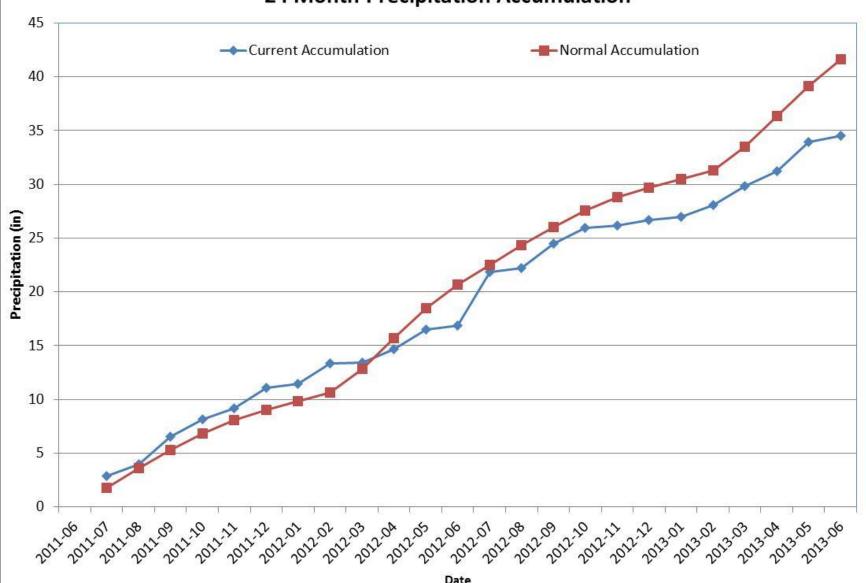
### Division 8 - Boulder

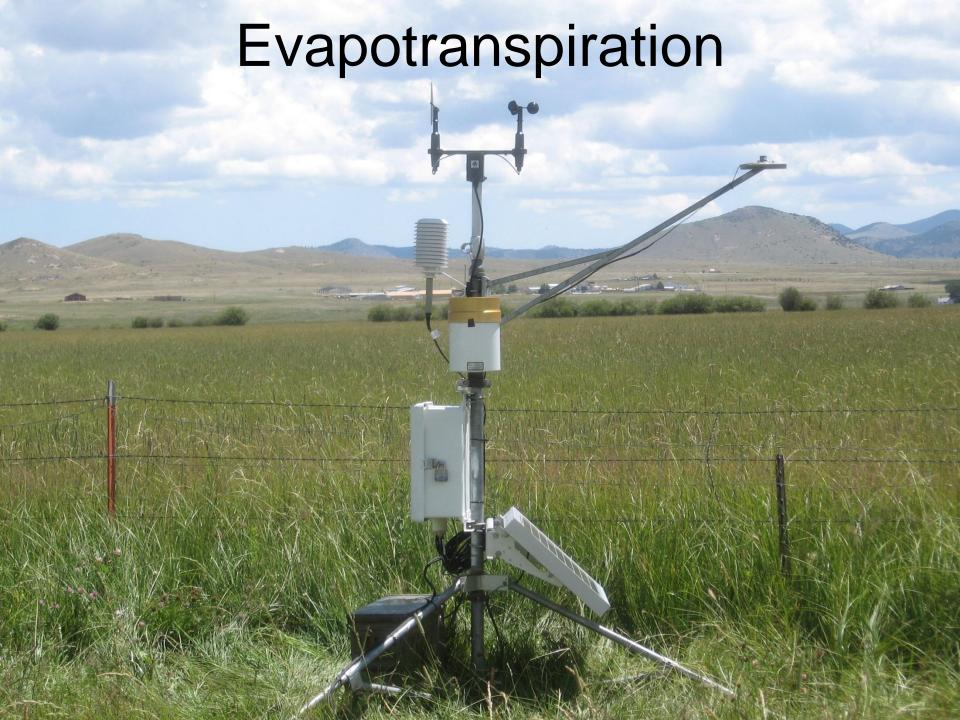
#### Boulder 2013 Water Year



## Division 8 - Boulder



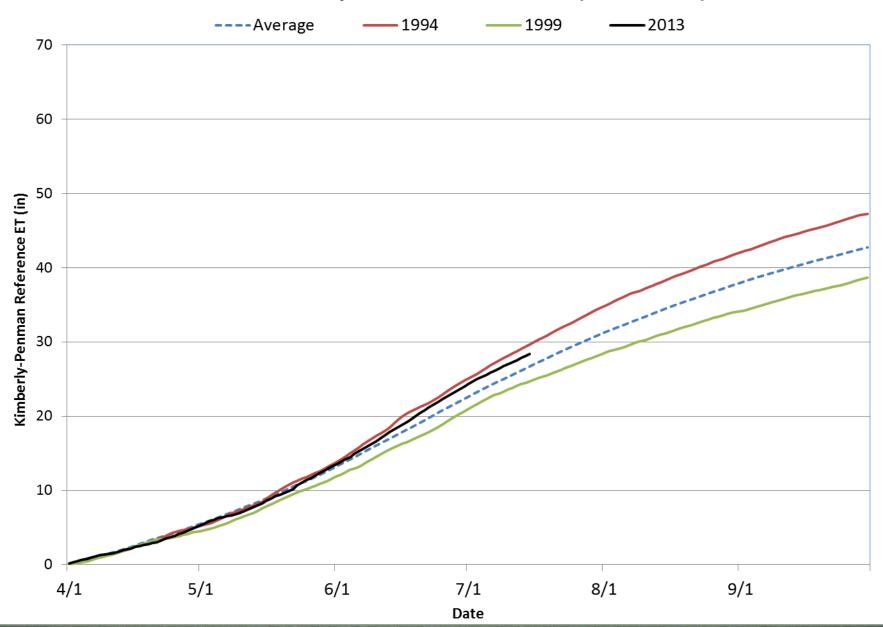




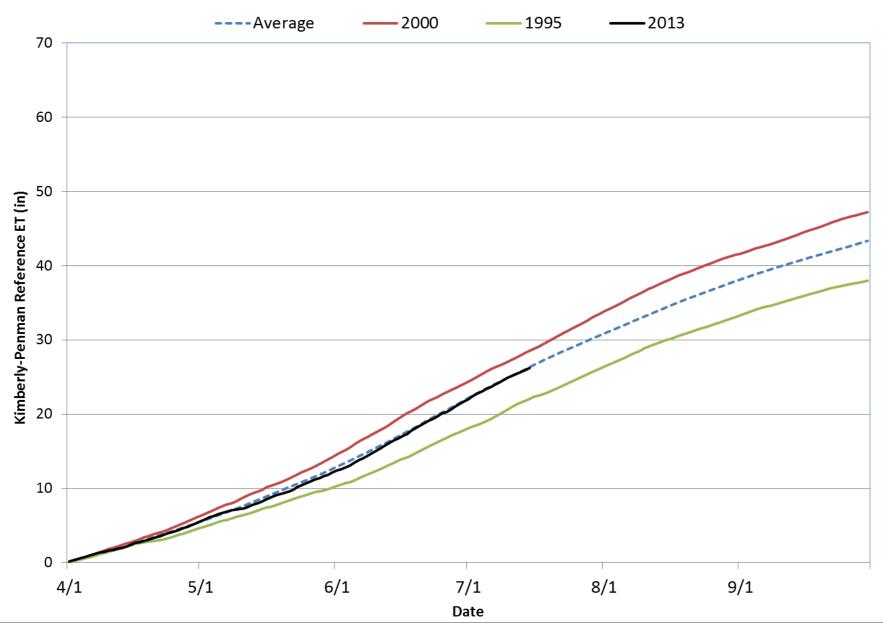
#### CoAgMet Reference Evapotranspiration Stations



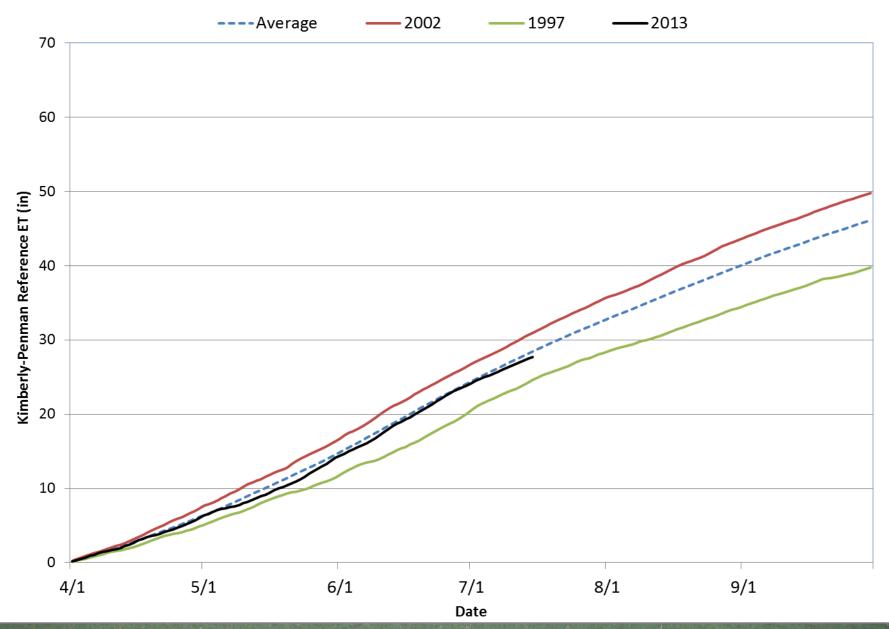
#### Olathe Kimberly-Penman Reference ET (1993 - 2013)



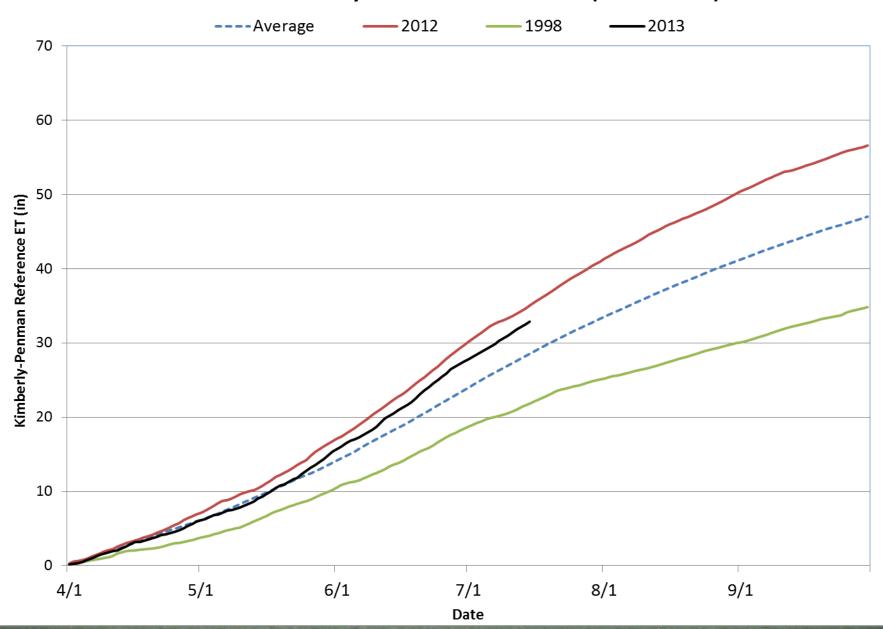




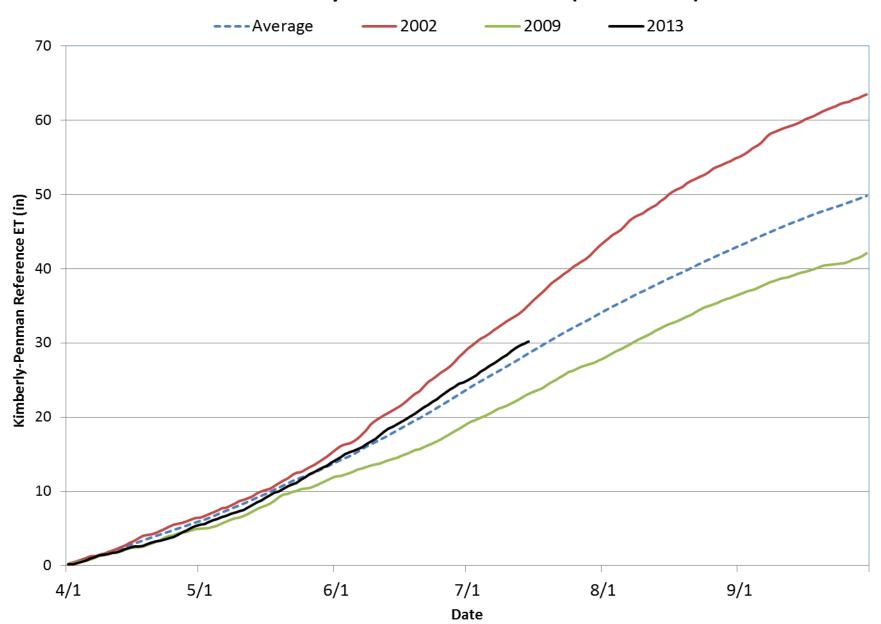




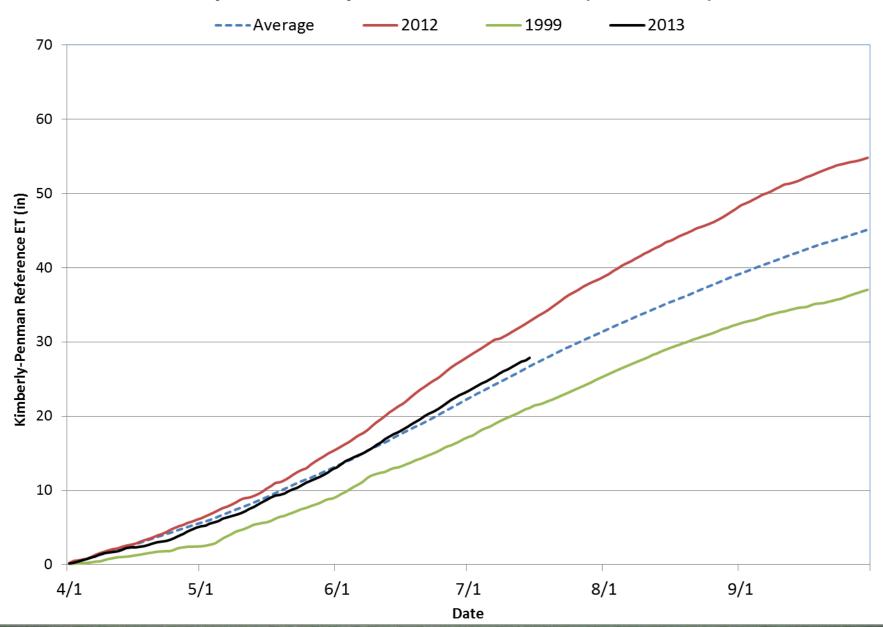
### **Avondale Kimberly-Penman Reference ET (1993 - 2013)**



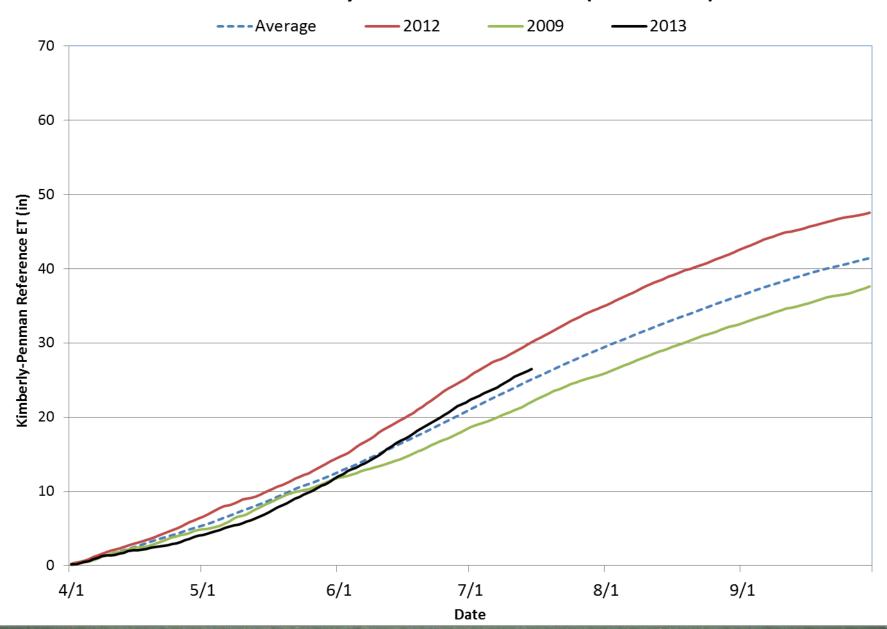




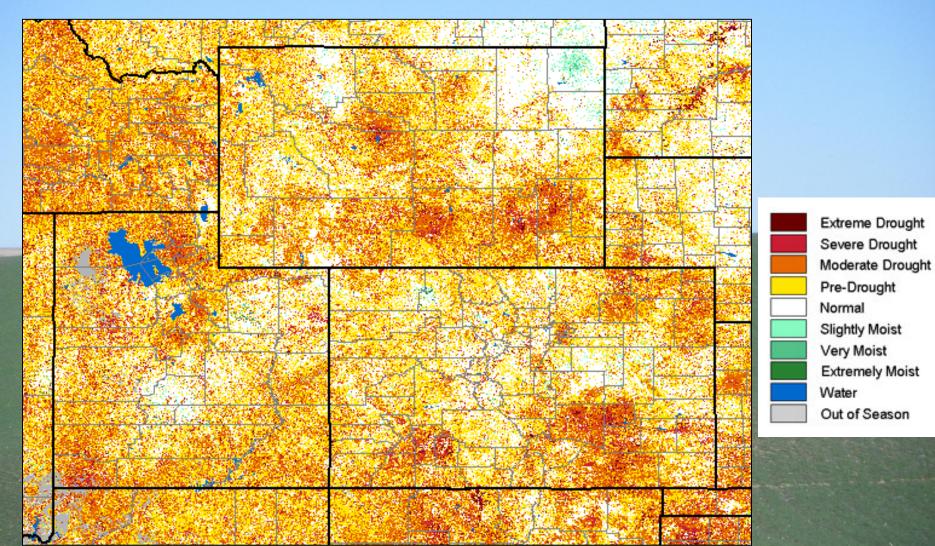
### Holyoke Kimberly-Penman Reference ET (1992 - 2013)



### Lucerne Kimberly-Penman Reference ET (1992 - 2013)

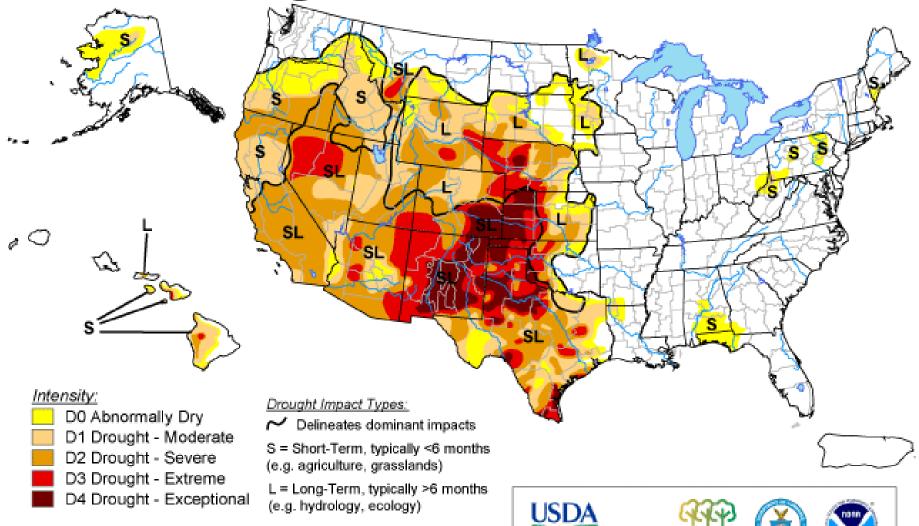


# VegDRI 14 July 2013



U.S. Drought Monitor

June 18, 2013



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







Released Thursday, June 20, 2013

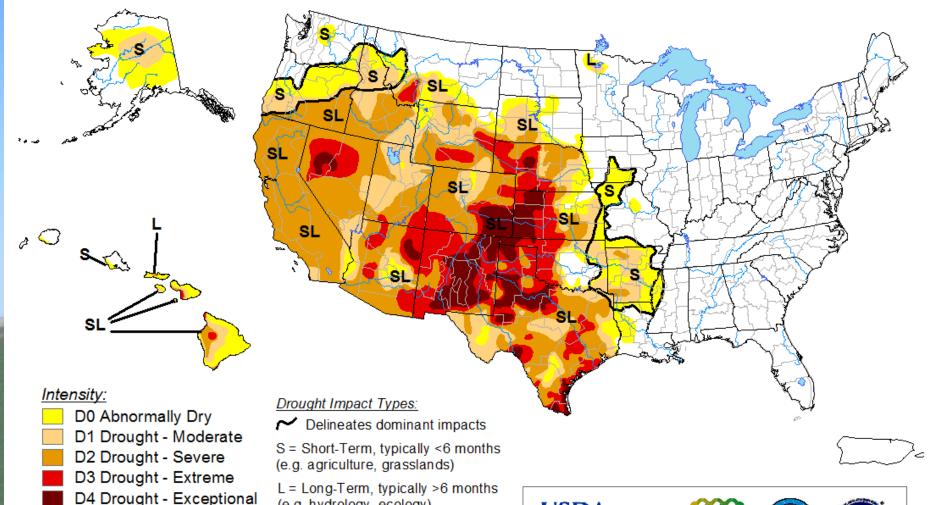
http://droughtmonitor.unl.edu/

Author: Mark Svoboda, National Drought Mitigation Center

## U.S. Drought Monitor

July 16, 2013
Valid 7 a.m. EDT





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

(e.g. hydrology, ecology)

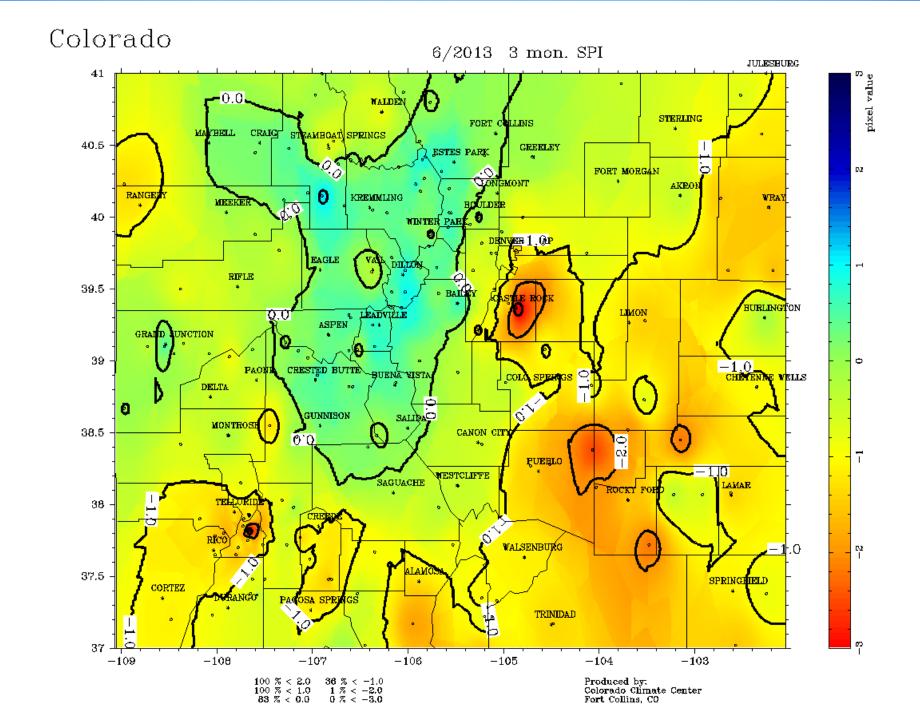
http://droughtmonitor.unl.edu/



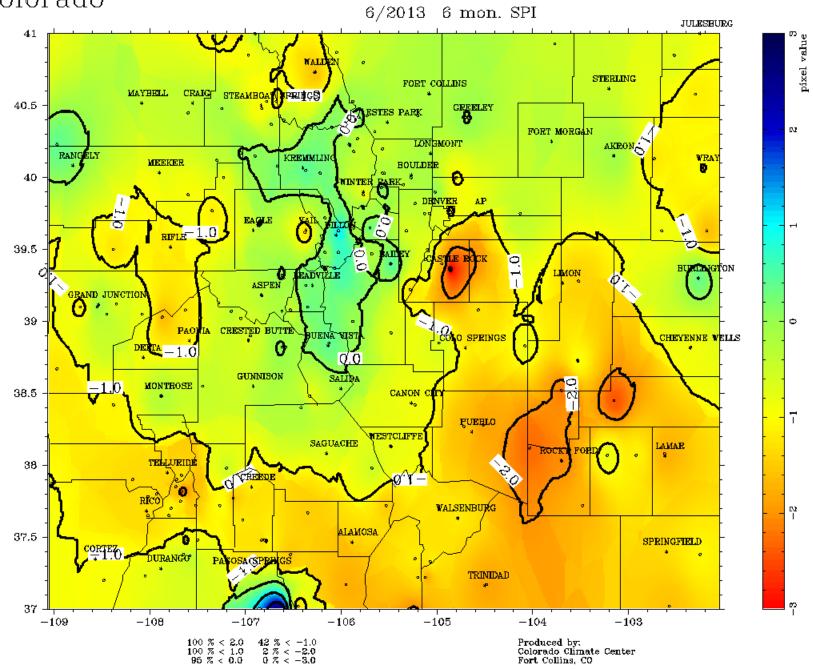


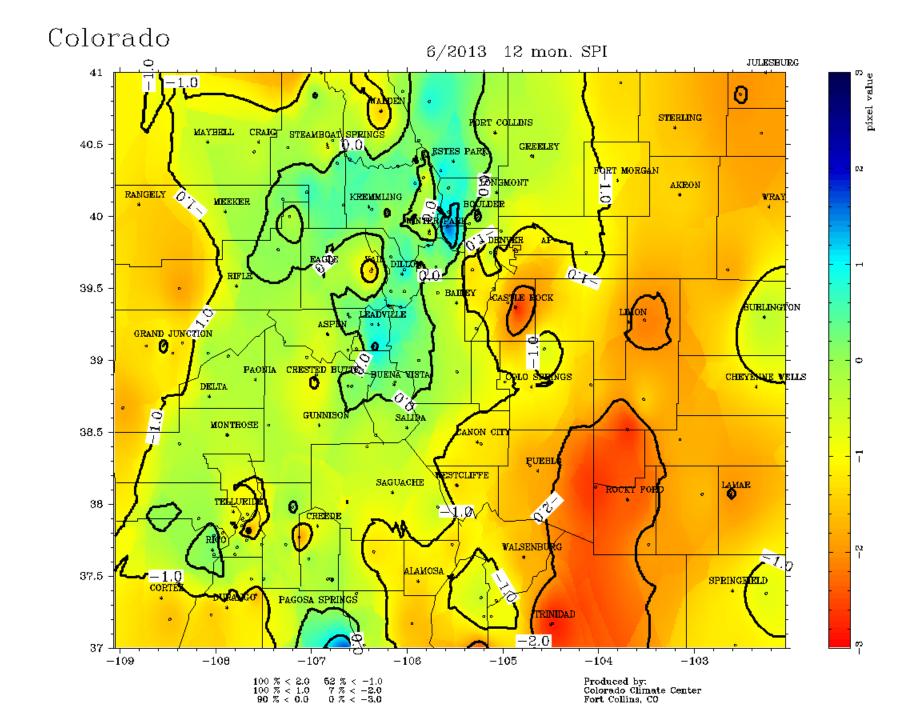


Released Thursday, July 18, 2013 Author: Richard Heim, NOAA/NESDIS/NCDC

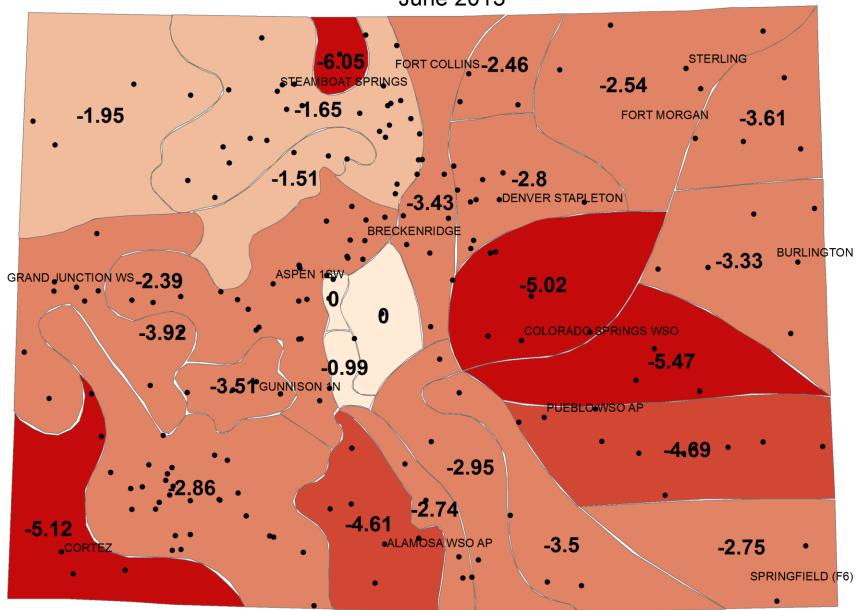


Colorado





Modified Palmer Drought Severity Index for Colorado June 2013



## Colorado Climate Center

Data and Power Point Presentations available for downloading

http://ccc.atmos.colostate.edu/droughtpresentations.php



