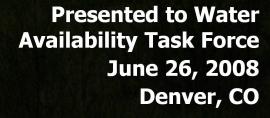
# Climate Update

Wendy Ryan and Nolan Doesken Colorado Climate Center

**Atmospheric Science Department Colorado State University** 



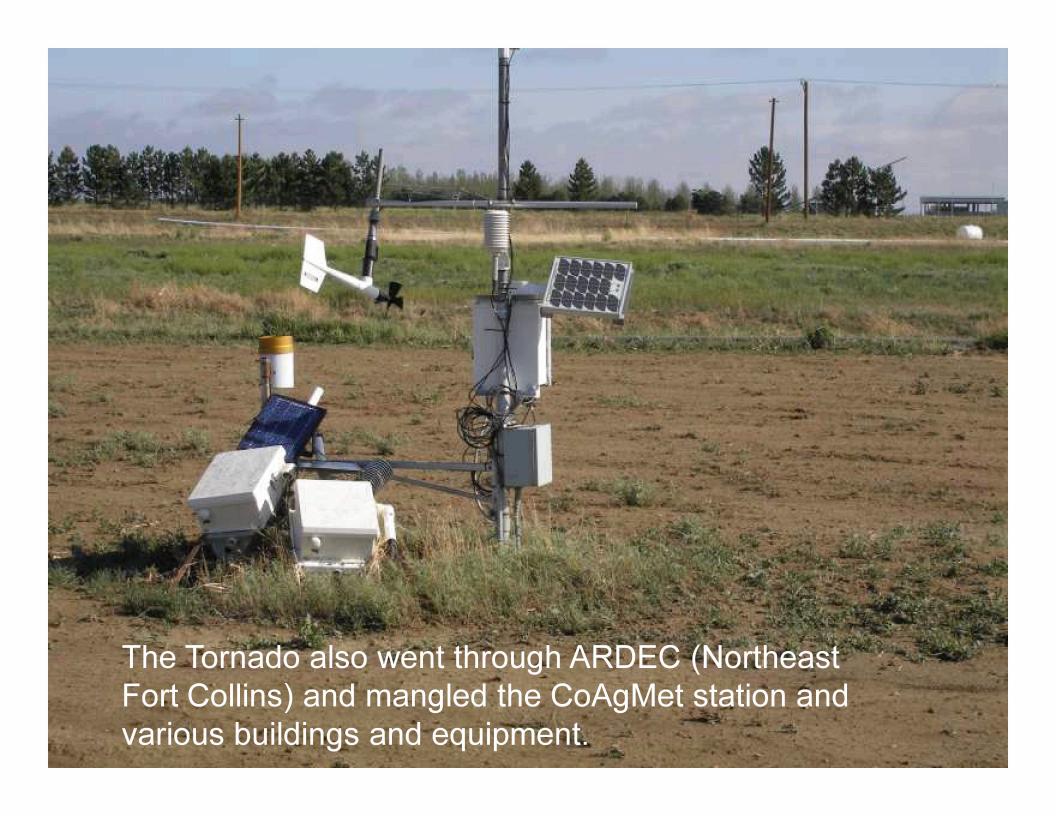




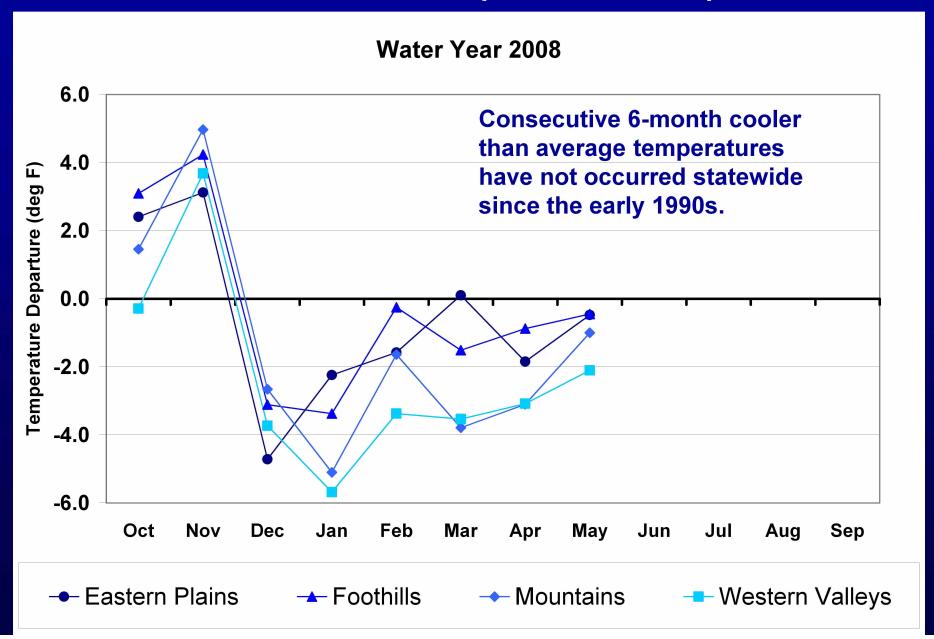
**Prepared by Odie Bliss** 

# May 22, 2008 Tornado

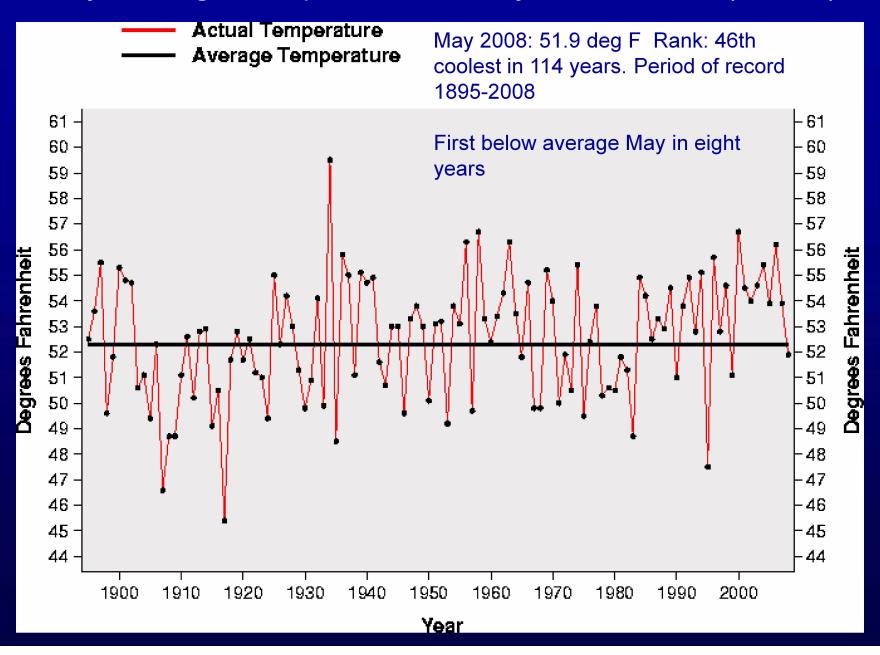
- Unusual path traveled from southeast to northwest (from Platteville, CO to Laramie, WY)
- Hit east side of Windsor pretty hard
- 1 loss of life; ~800 homes damaged; numerous businesses, churches, etc.
- Small to Large damaging hail in the storm system



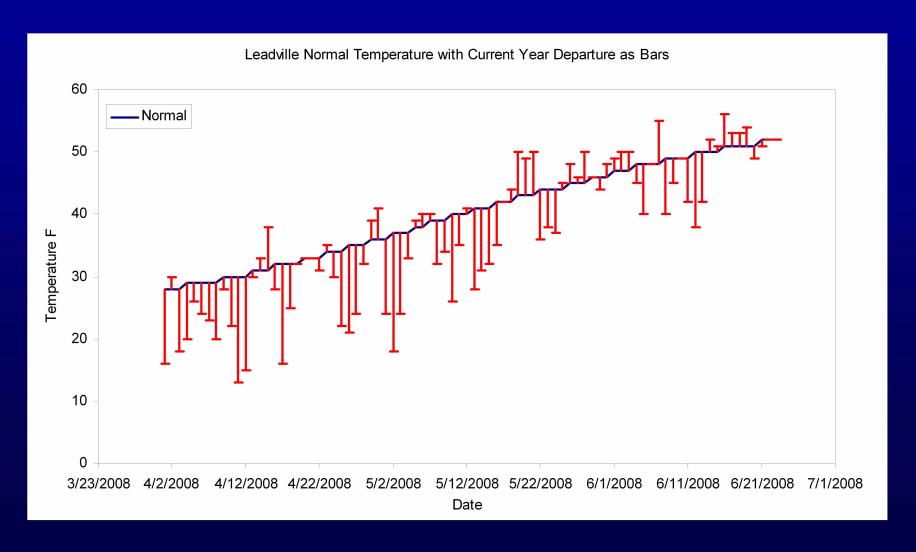
#### Water Year 2008 Temperature Departures



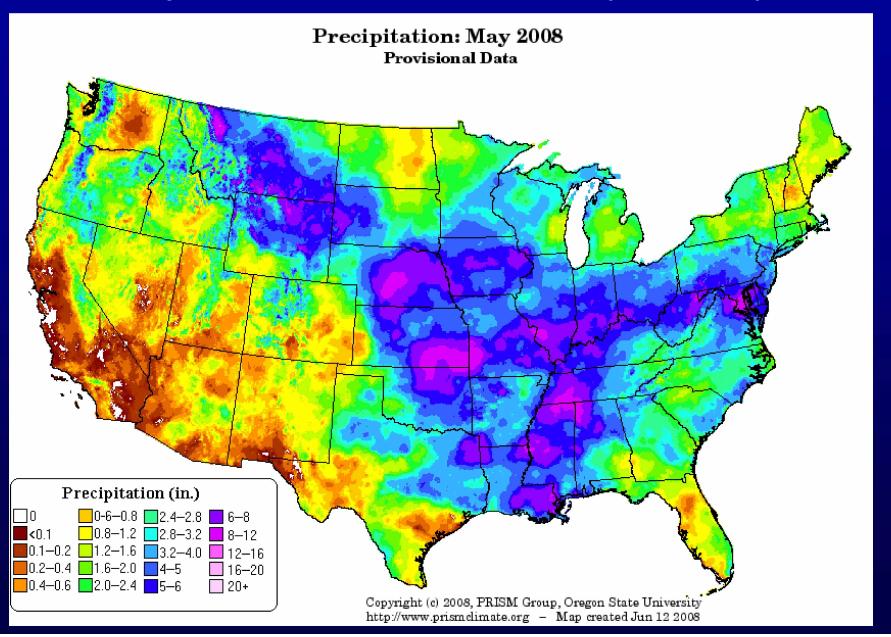
#### May Average Temperature History for Colorado (NCDC)



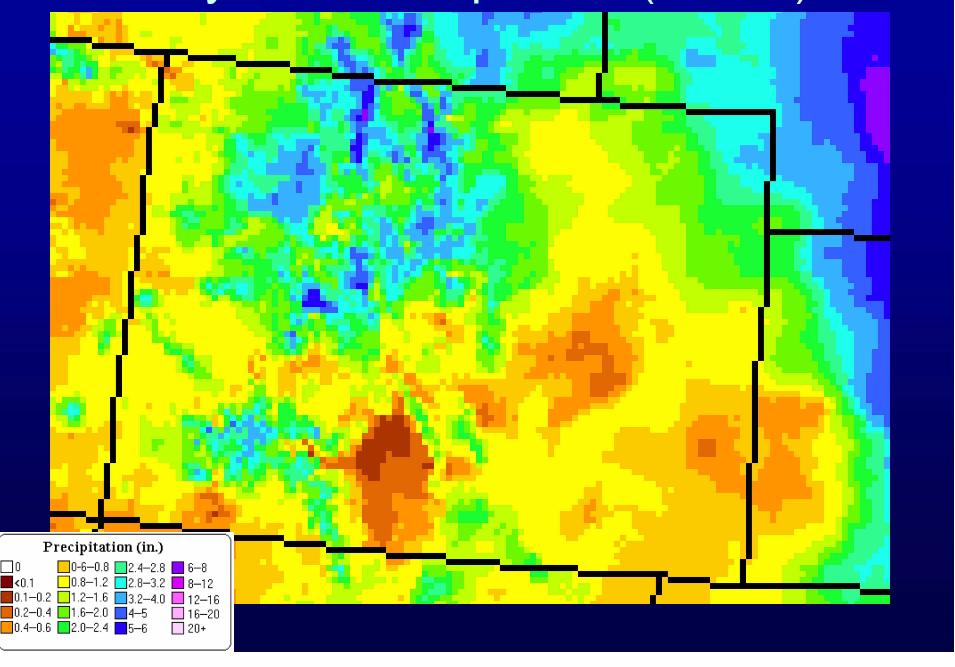
Late spring temperatures have been only slightly below average. With alternating warmer and colder than average temperatures all spring, snow melt has been delayed and large peaks in runoff that could have caused flooding have largely been averted.



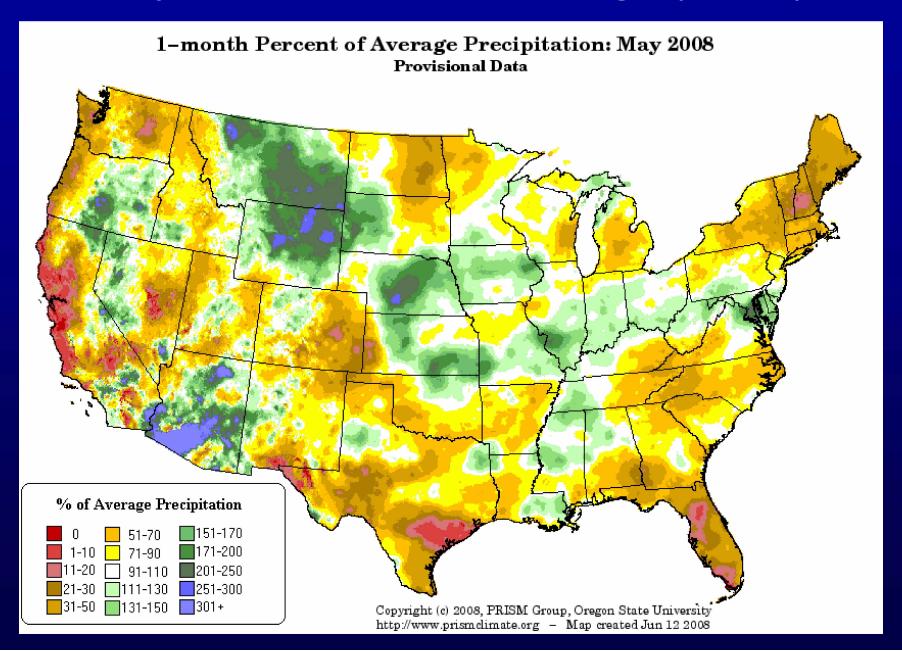
#### May 2008 Precipitation (inches)



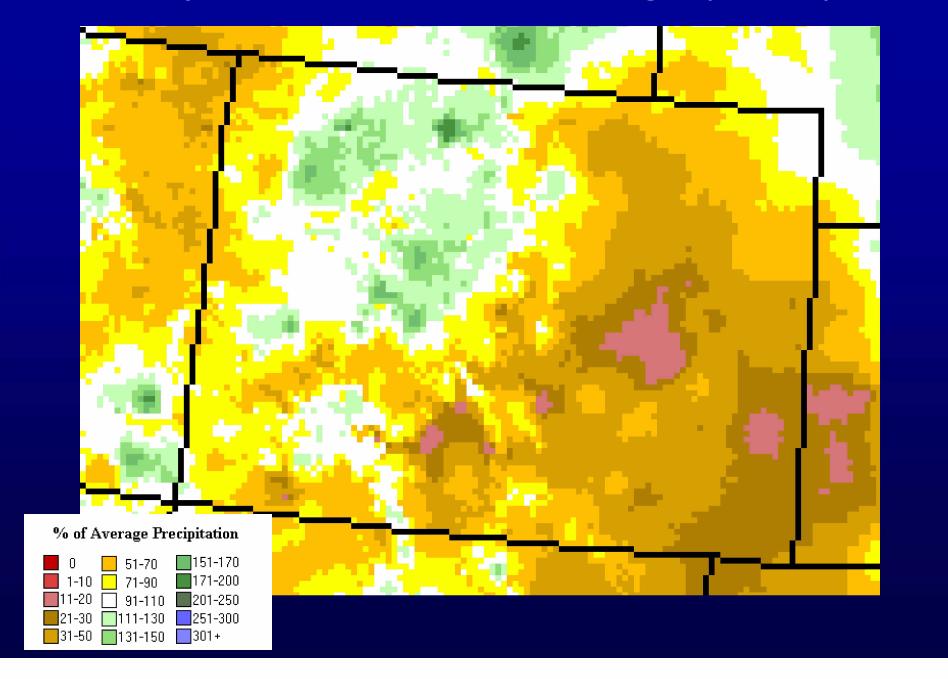
#### May 2008 Precipitation (inches)



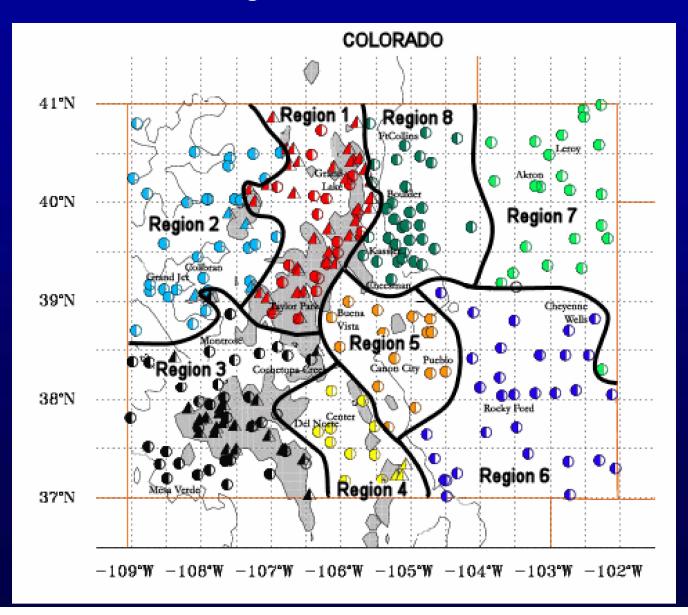
#### May 2008 Percent of Average (Prism)



#### May 2008 Percent of Average (Prism)

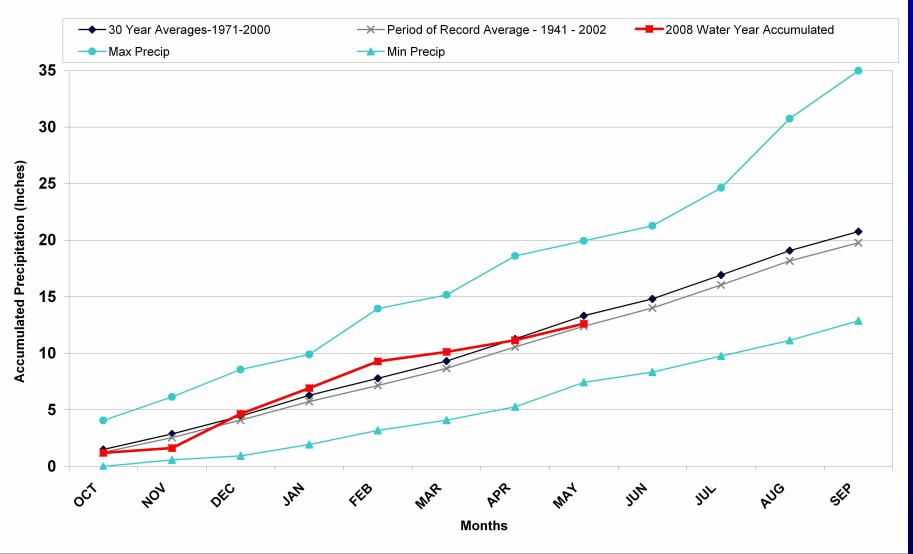


# Climate divisions defined by Dr. Klaus Wolter of NOAA's Climate Diagnostic Center in Boulder, CO



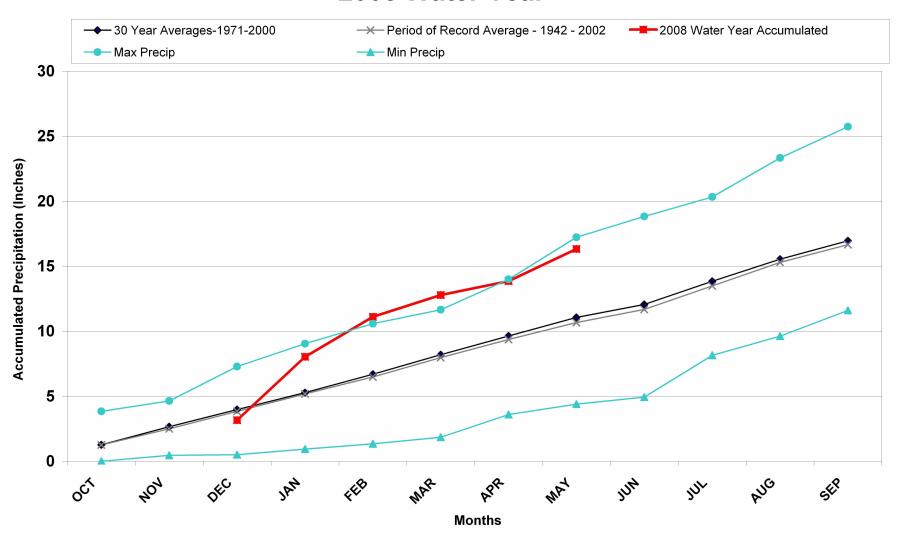
#### Division 1— Grand Lake 1NW

## **Grand Lake 1 NW 2008 Water Year**



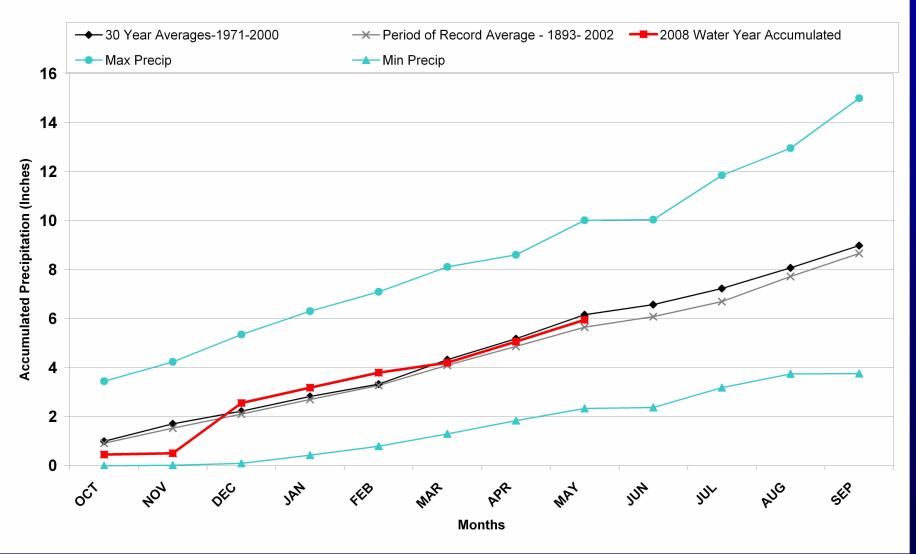
# Division 1 – Taylor Park

#### Taylor Park 2008 Water Year



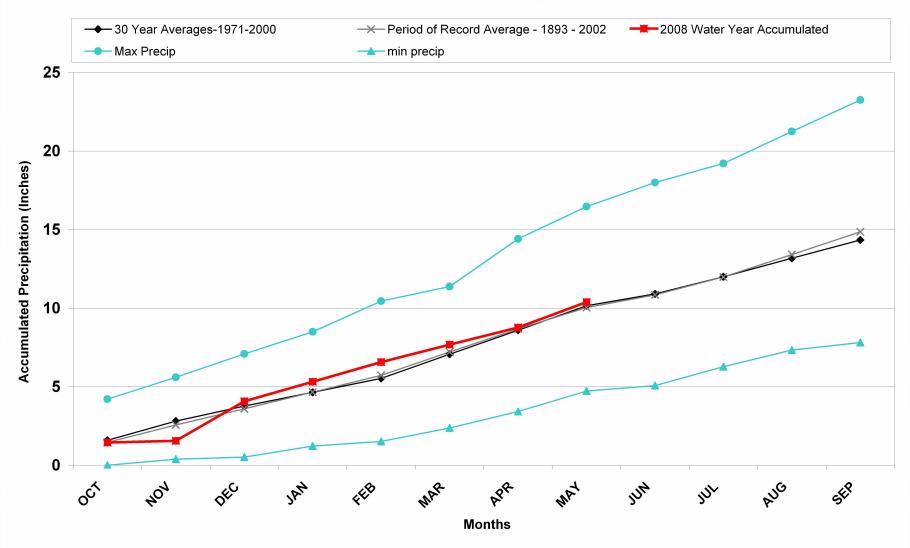
#### Division 2 – Grand Junction

## **Grand Junction WSFO 2008 Water Year**



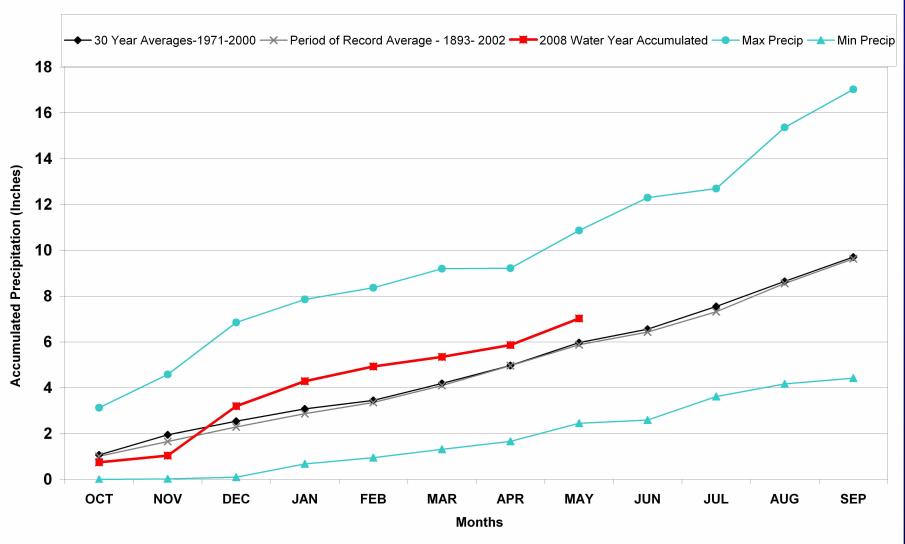
#### Division 2 – Collbran

## Collbran 2SW 2008 Water Year



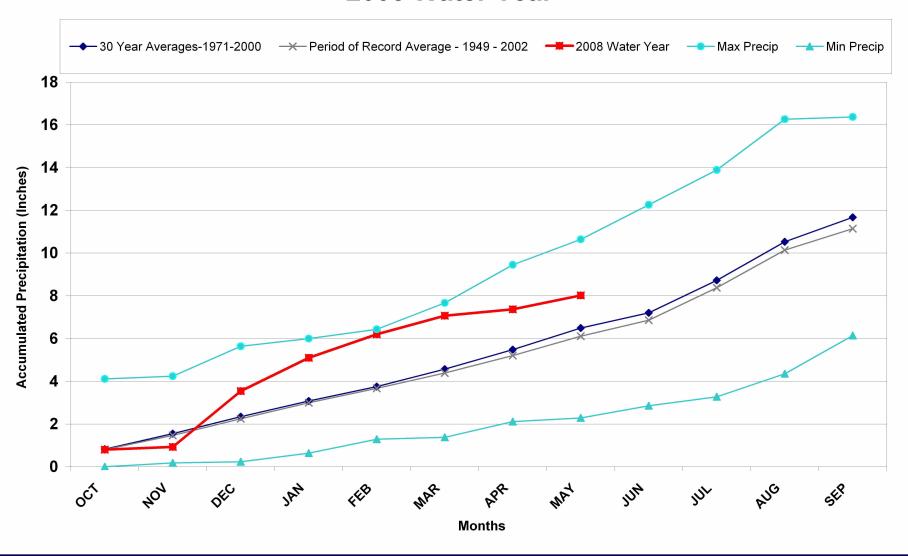
#### Division 3 – Montrose

## Montrose #2 2008 Water Year



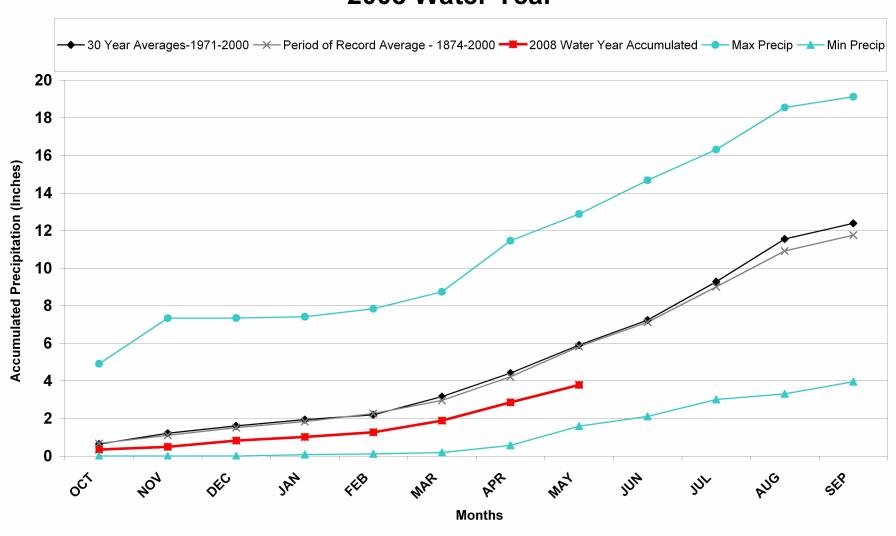
## Division 3 – Cochetopa Creek

## Cochetopa Creek 2008 Water Year



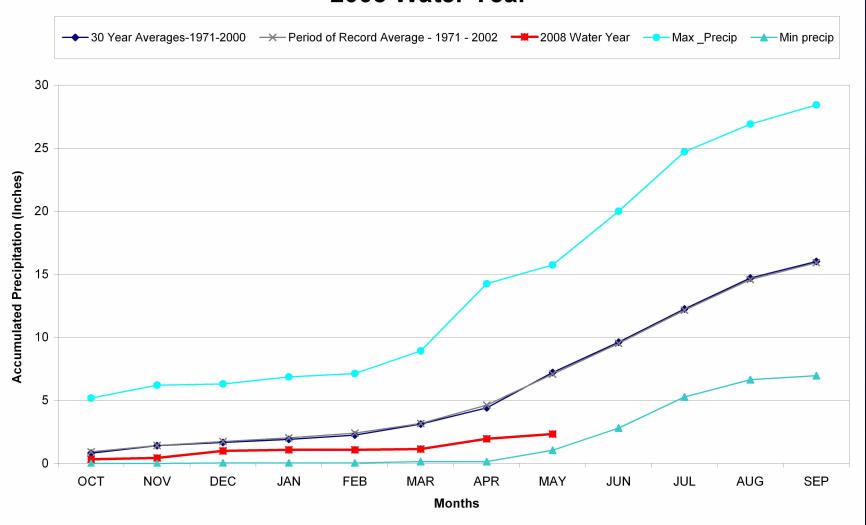
# Division 5 – Pueblo

# Pueblo WSO 2008 Water Year



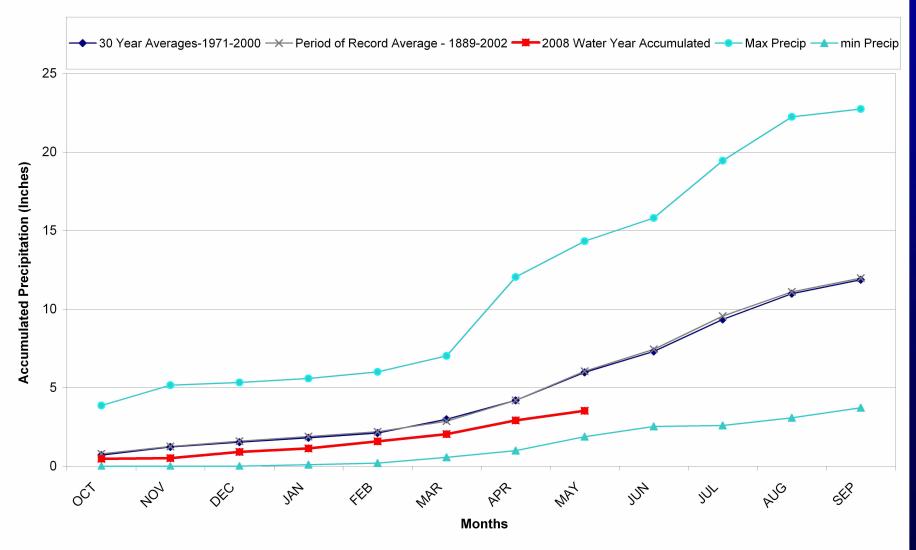
#### Division 6 – Cheyenne Wells





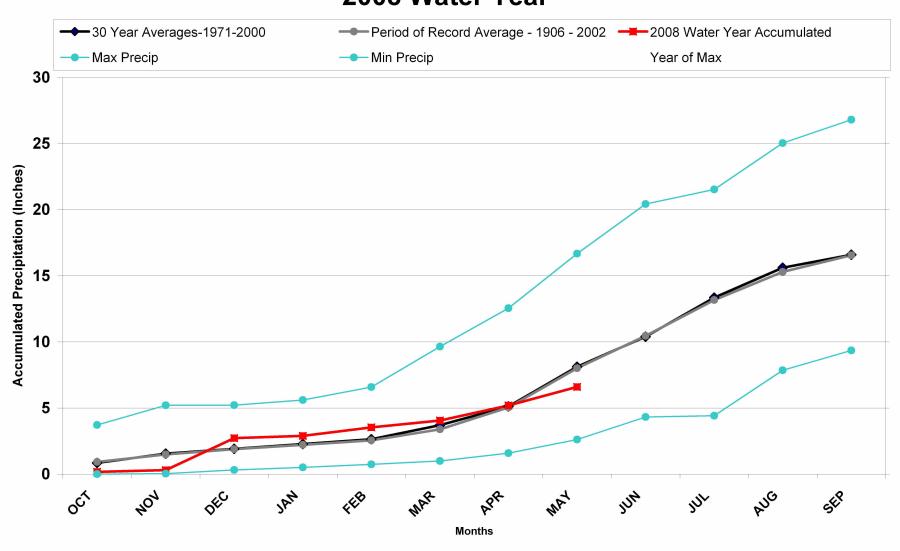
#### Division 6 – Rocky Ford

# Rocky Ford 2008 Water Year



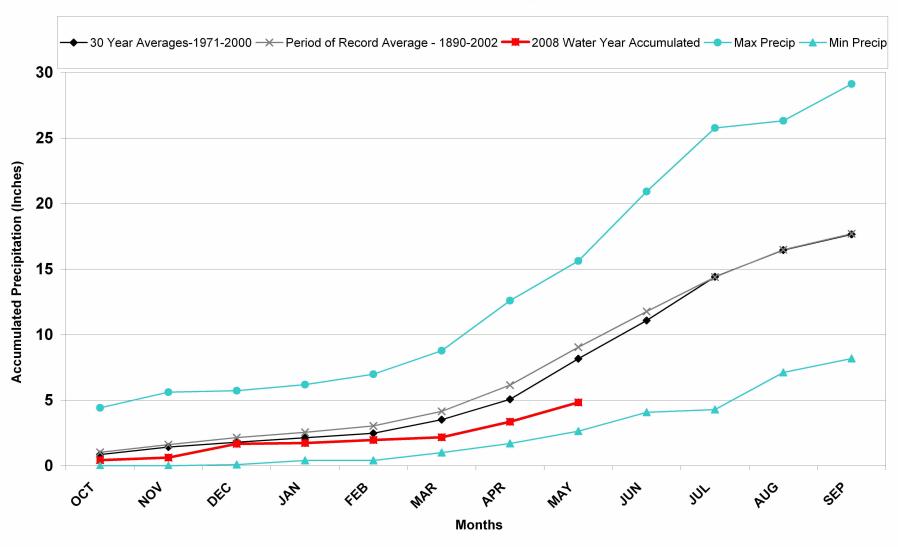
#### Division 7 – Akron





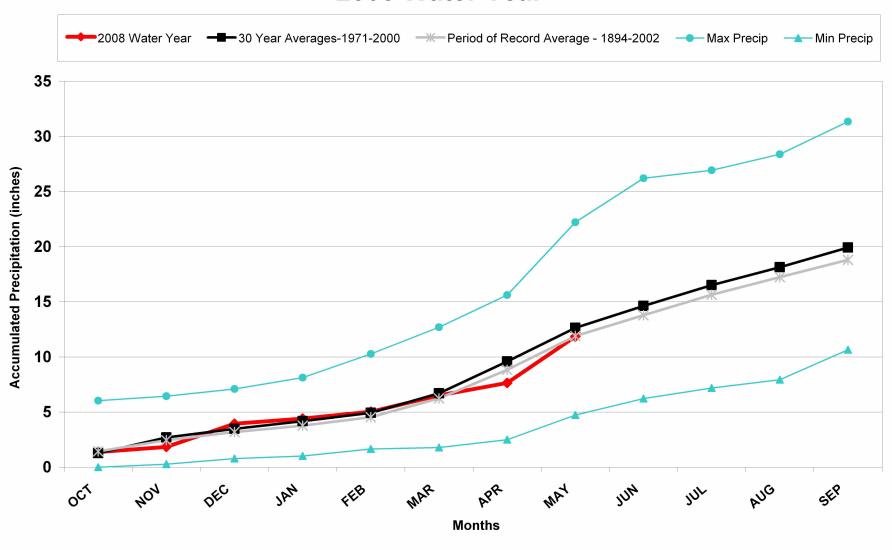
# Division 7 – Leroy

#### Leroy 5SW 2008 Water Year



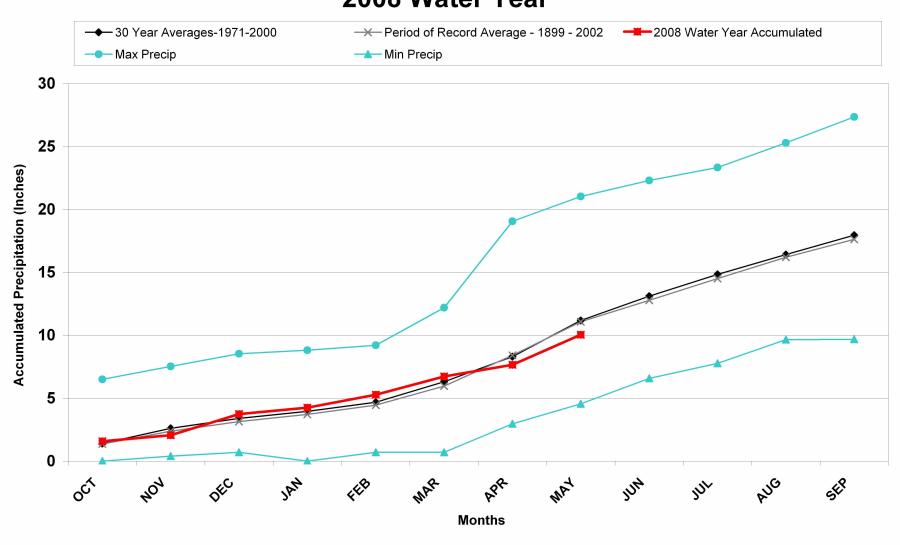
#### Division 8 – Boulder

#### Boulder 2008 Water Year

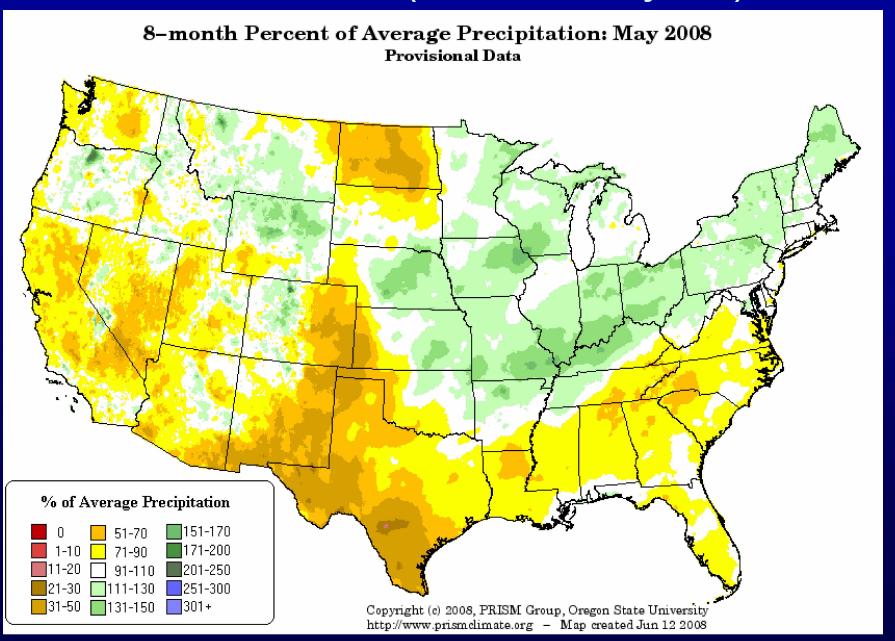


#### Division 8 – Kassler

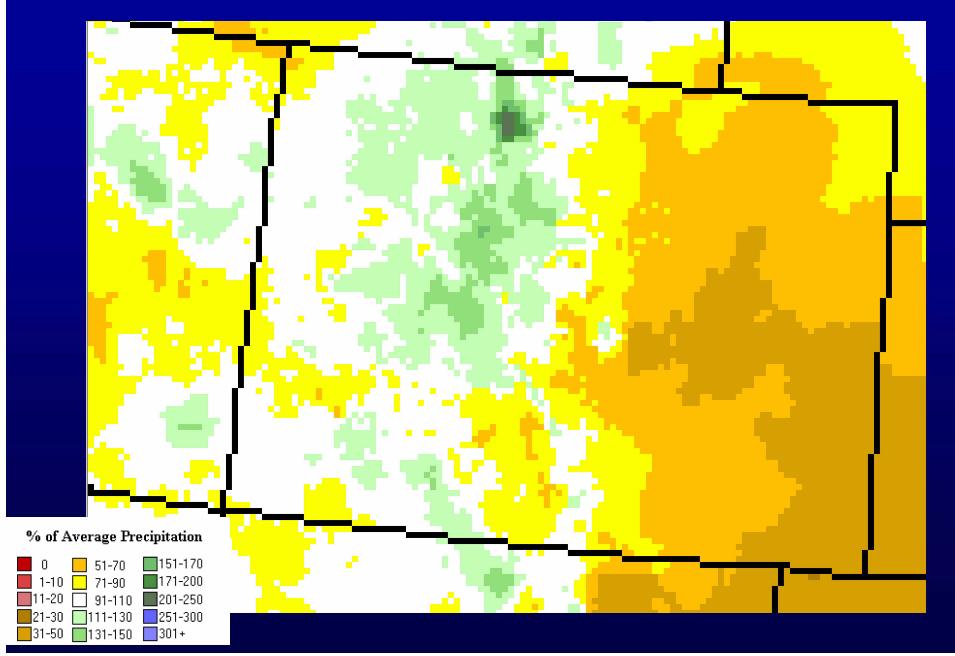




#### Water Year 2008 (Oct 07-May 08) Prism

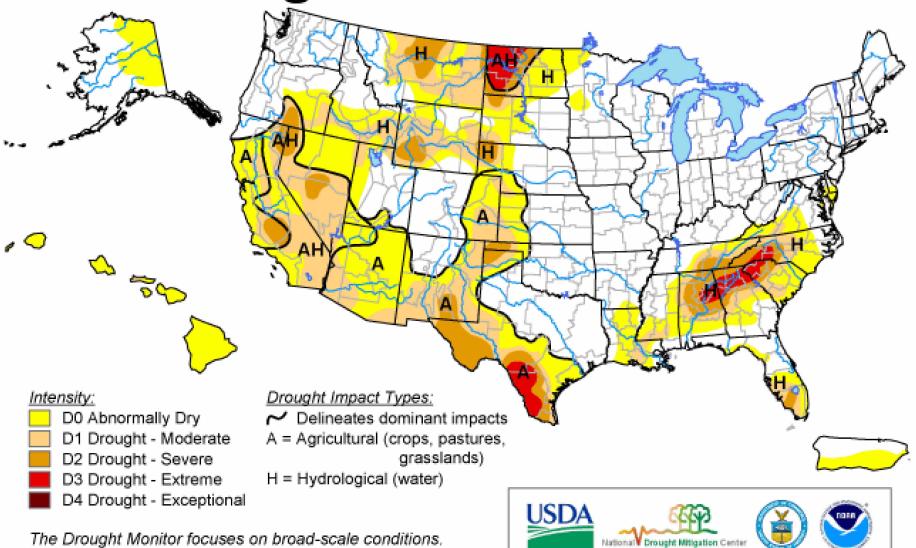


## Water Year 2008 (Oct 07-May 08) Prism



#### U.S. Drought Monitor

May 13, 2008 Valid 8 a.m. EDT



Local conditions may vary. See accompanying text summary for forecast statements.

http://drought.unl.edu/dm







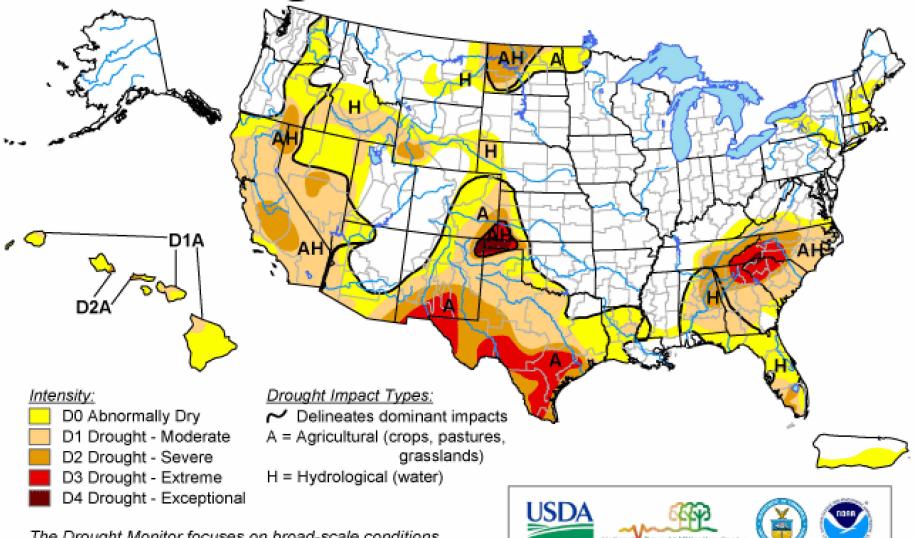


Released Thursday, May 15, 2008 Author: Michael James, JAWF/CPC/NOAA

## U.S. Drought Monitor

June 17, 2008





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

http://drought.unl.edu/dm



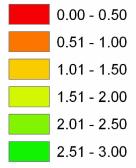


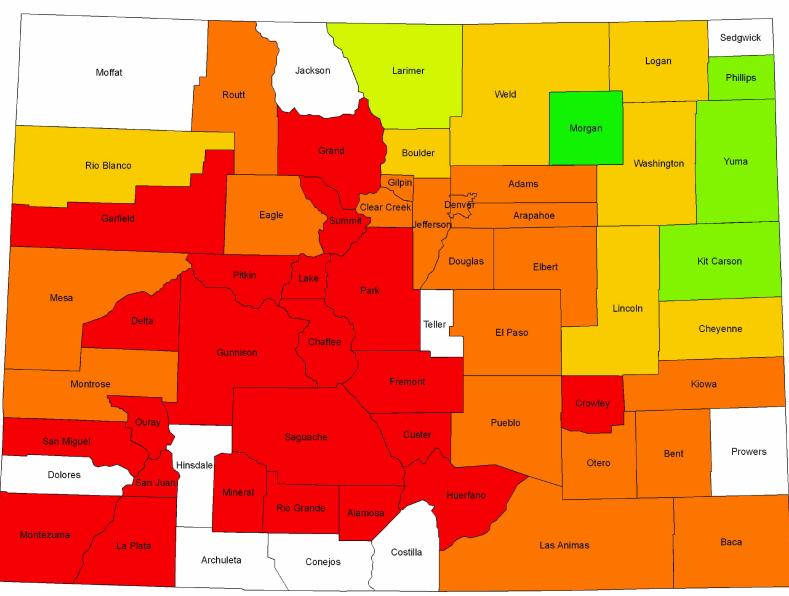


Released Thursday, June 19, 2008 Author: Rich Tinker, CPC/NOAA

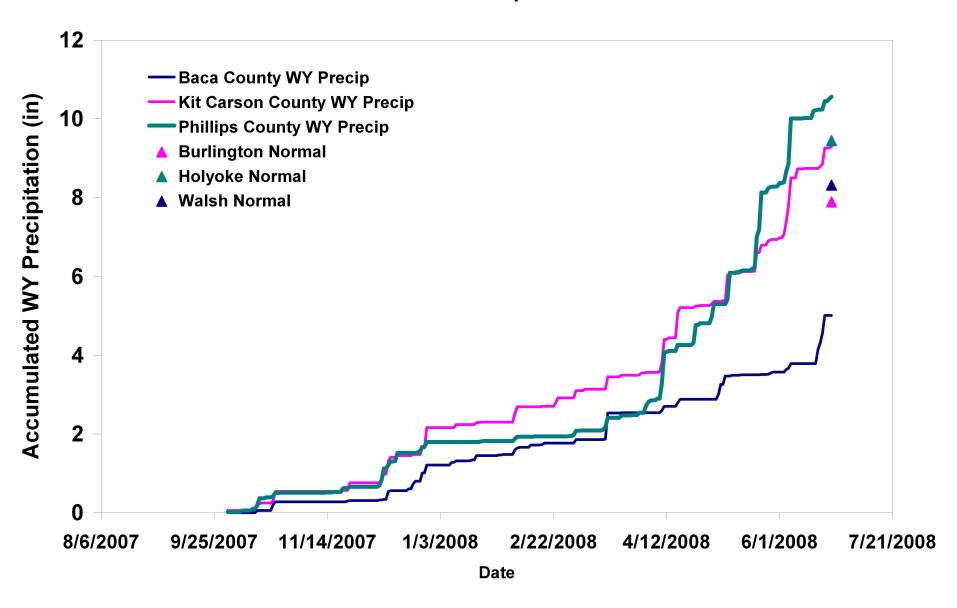
#### Average Cocorahs June 1- June 24 2008 Precipitation by County Colorado\_Counties

#### CO\_county\_avgppt\_1\_24June08.JUNE\_PPT



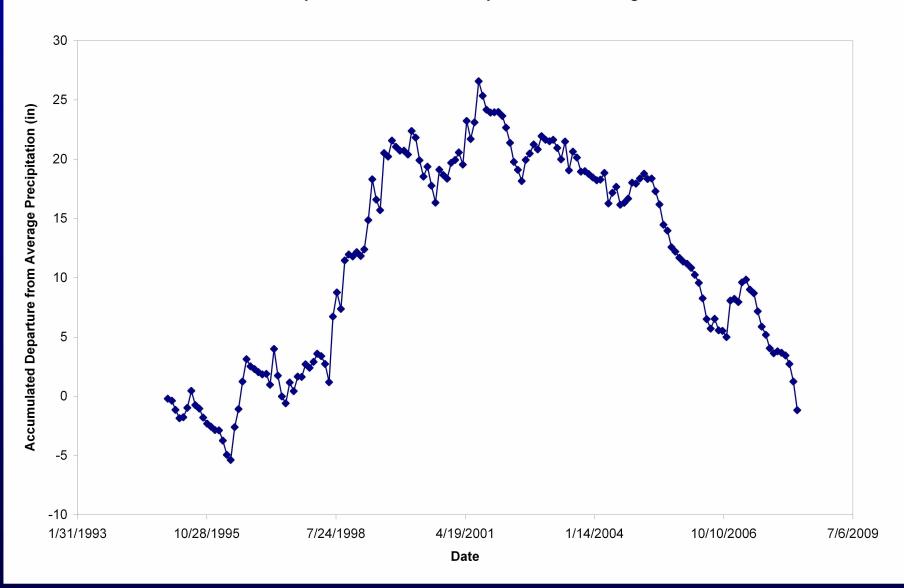


#### **CoCoRaHS Accumulated WY Precipitation for Selected Counties**

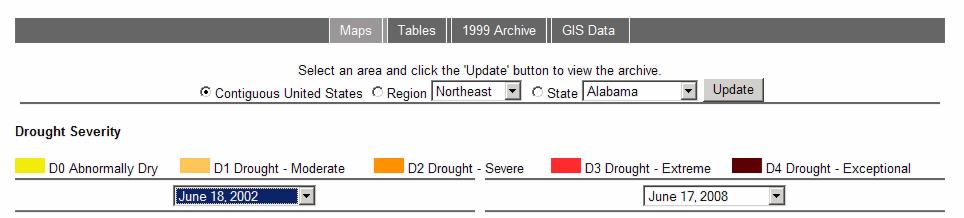


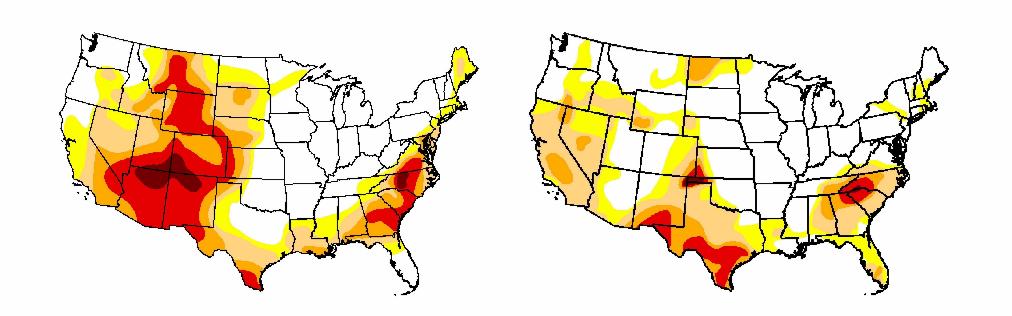
#### Campo Accumulated Precipitation Deficit

#### Campo, CO Accumulated Departure from Average



#### **Drought Monitor Archives**





## Summary

- Cool weather has continued for Colorado
- No prolonged spring heat waves to produce large peak flows.
- Delayed snowmelt generally good for water supplies.
- Severe weather has been a problem for parts of eastern Colorado.

## Summary continued

- Western Slope drying now underway.
- Drought vulnerability continues over SE Colorado.
- Next anticipated weather change onset of "North American Monsoon" with increased chances of precipitation, especially over SW and Central Colorado.

#### Colorado Climate Center

# Data and Power Point Presentations available for downloading

http://ccc.atmos.colostate.edu

- click on "Drought"
- then click on "Presentations"

