# Cimate Update

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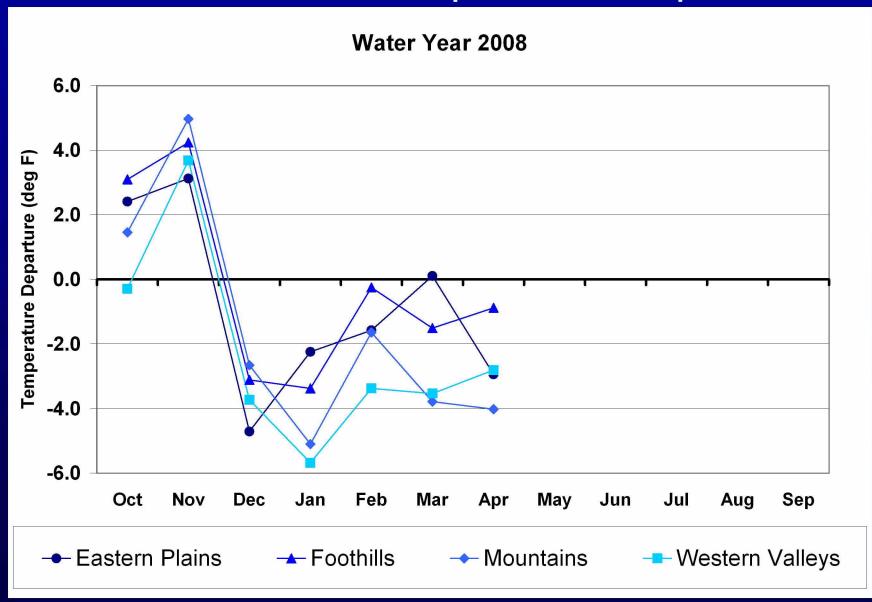
Presented to Water Availability Task Force May 19, 2008 Denver, CO



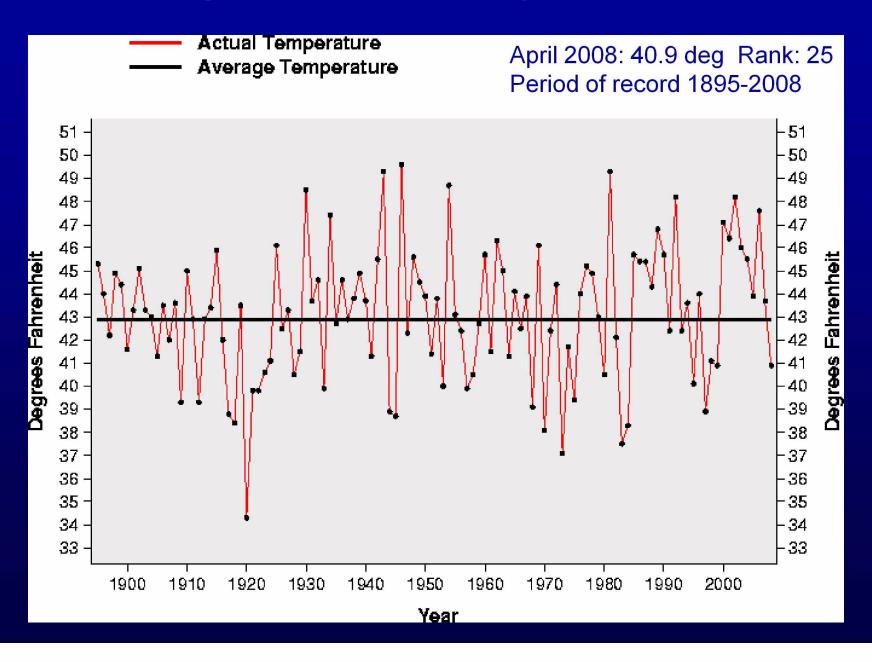


**Prepared by Odie Bliss** 

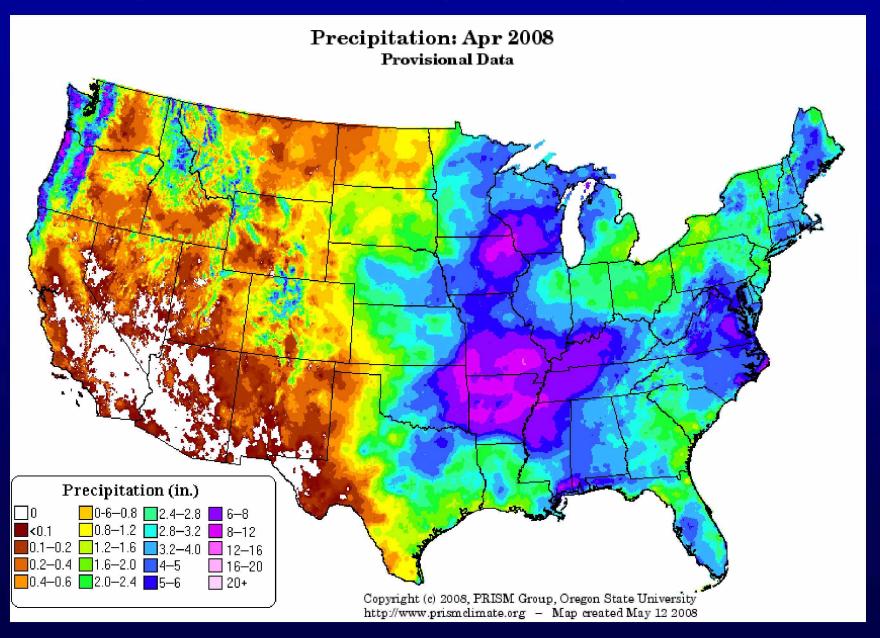
#### Water Year 2008 Temperature Departures



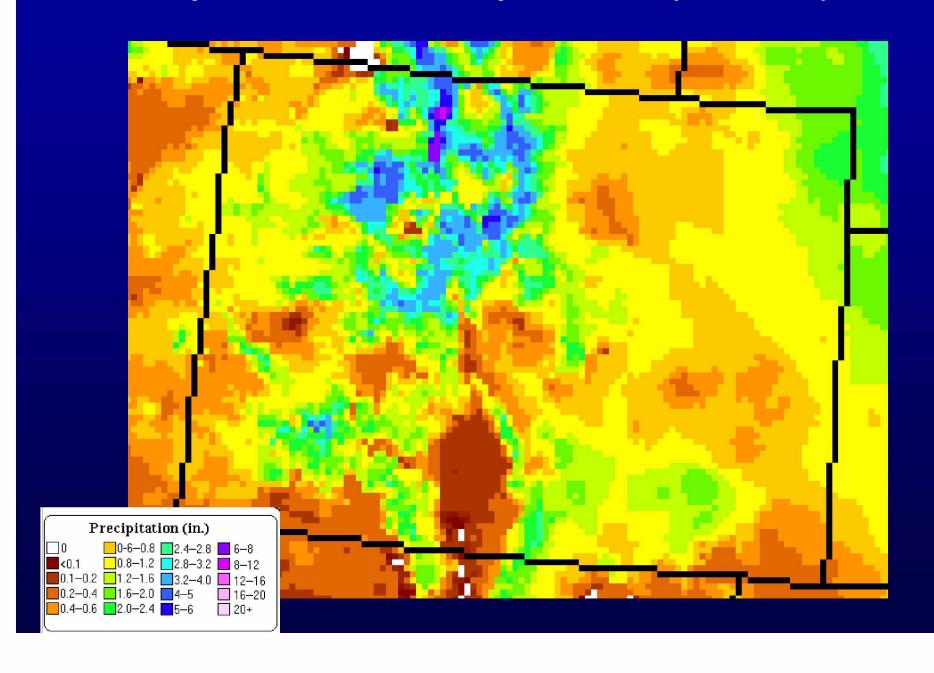
#### April Average Temperature History for Colorado (NCDC)



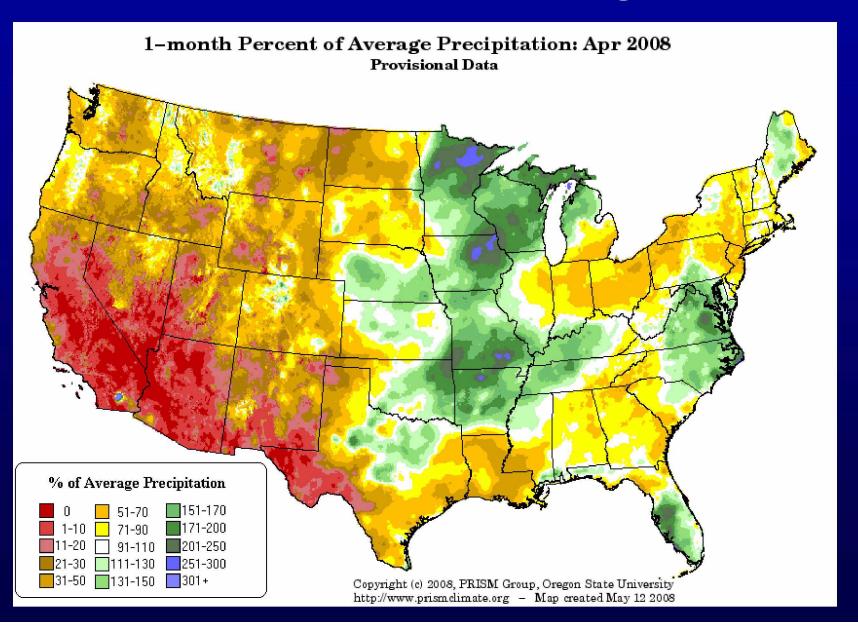
#### April 2008 Precipitation (inches)



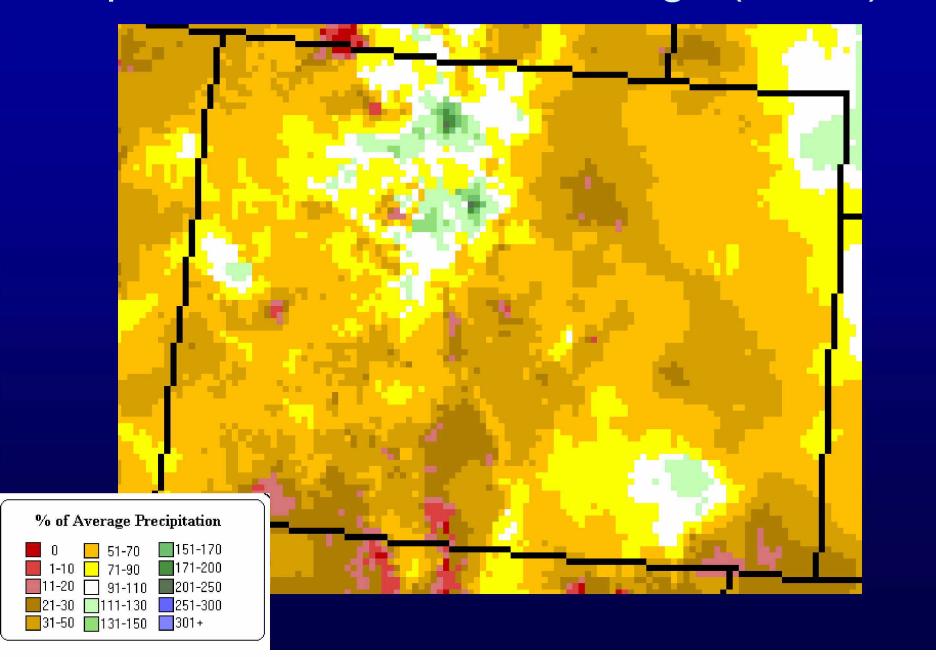
#### April 2008 Precipitation (inches)



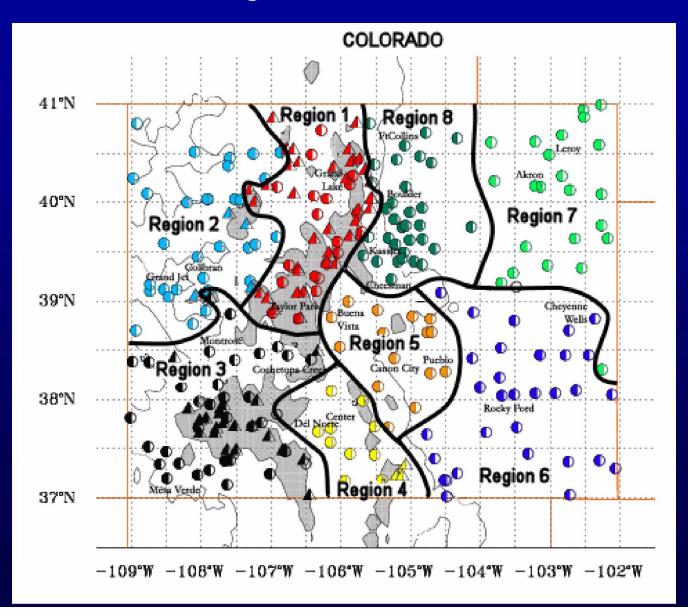
#### April 2008 Percent of Average (Prism)



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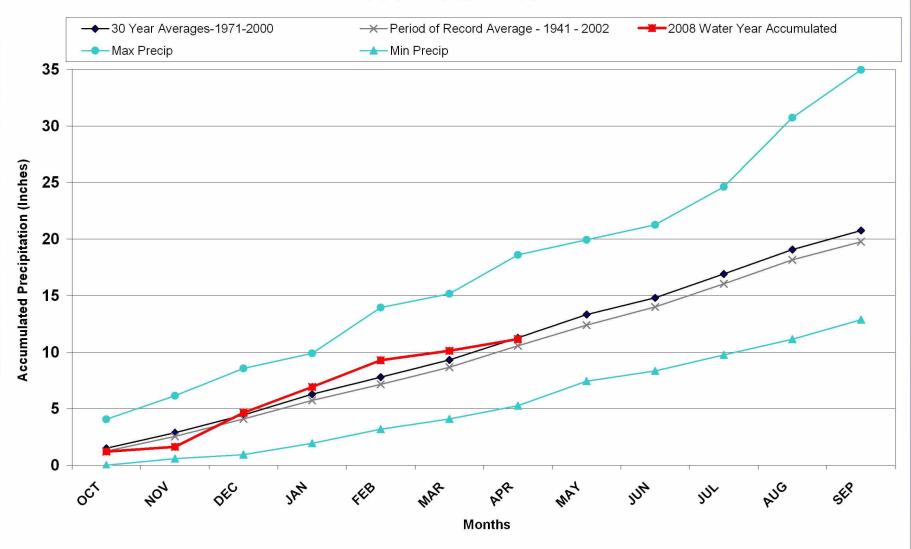


## Climate divisions defined by Dr. Klaus Wolter of NOAA's Climate Diagnostic Center in Boulder, CO



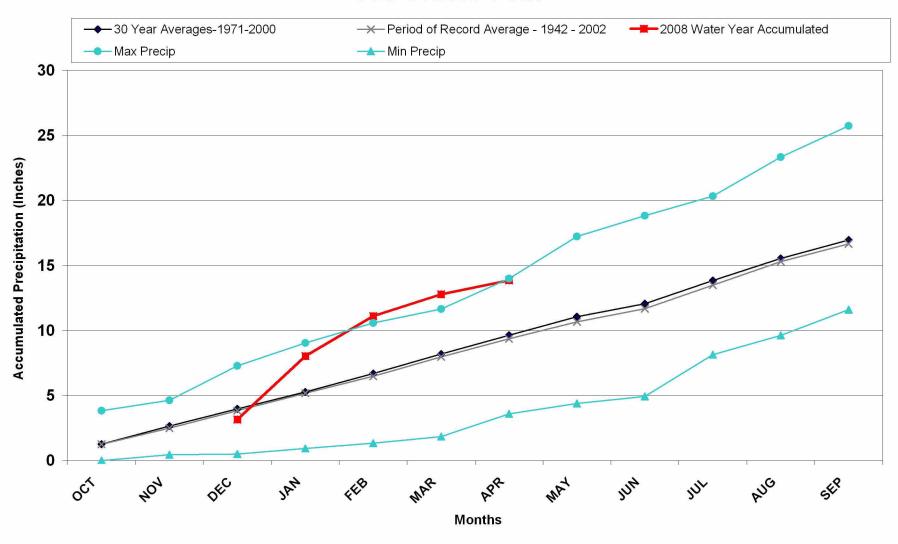
#### Division 1– Grand Lake 1NW

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



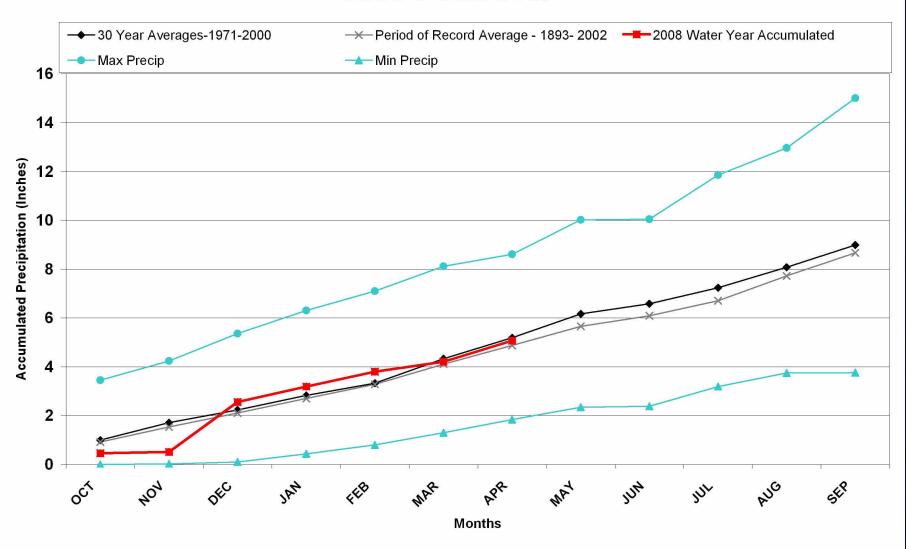
## Division 1 – Taylor Park

#### Taylor Park 2008 Water Year



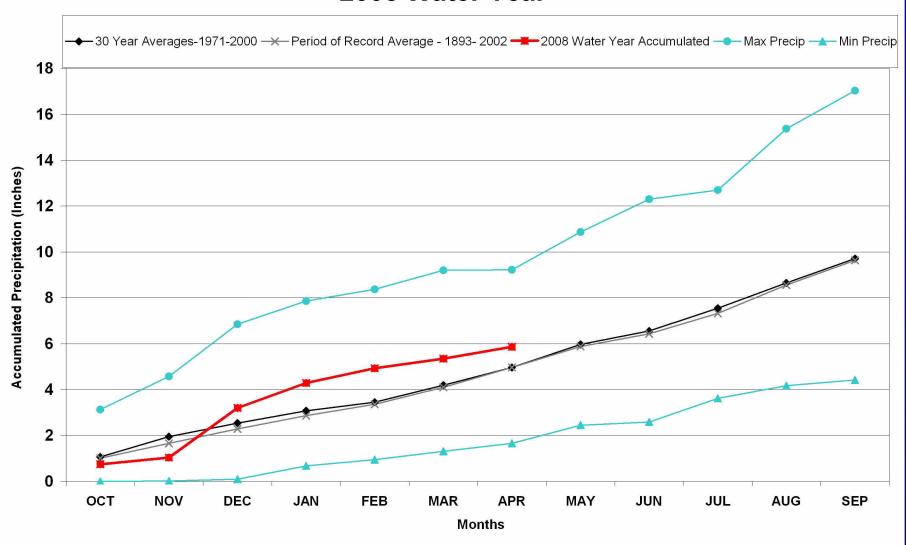
#### Division 2 – Grand Junction

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



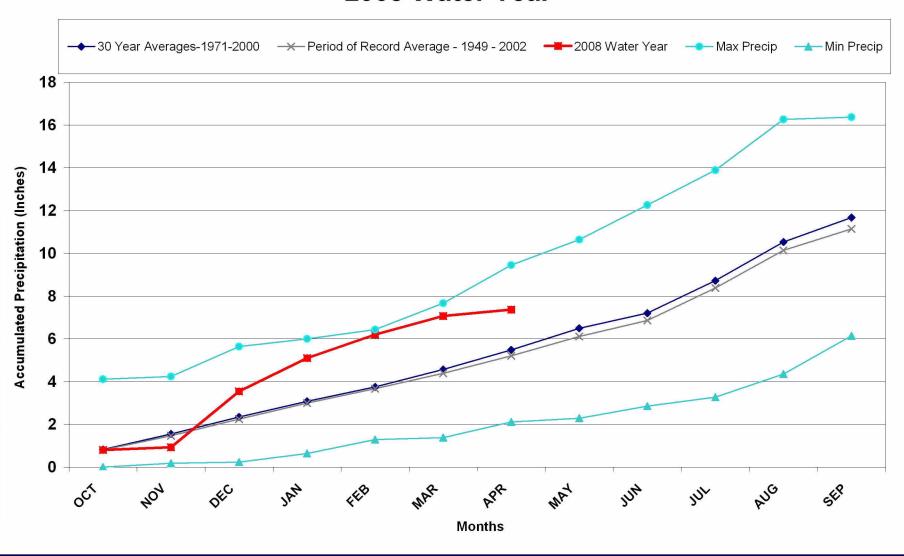
#### Division 3 – Montrose

#### Montrose #2 2008 Water Year



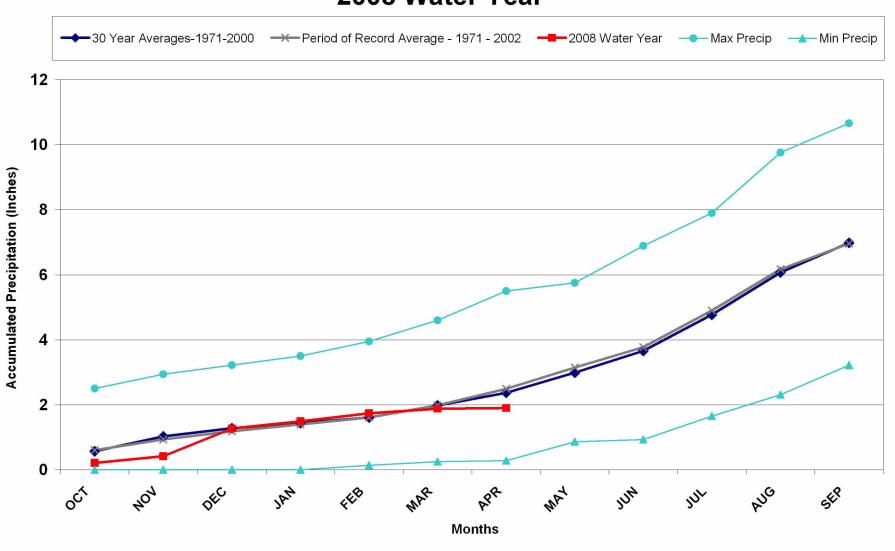
#### Division 3 – Cochetopa Creek

#### Cochetopa Creek 2008 Water Year



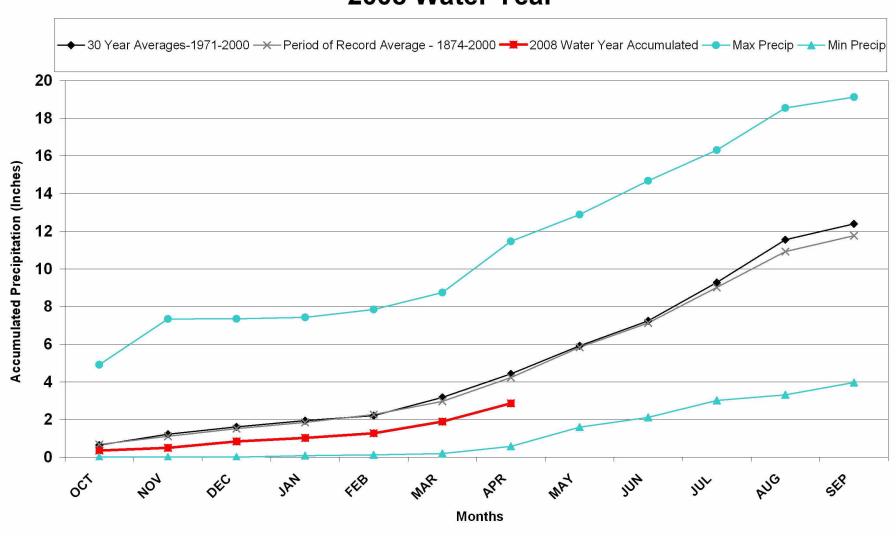
#### Division 4 – Center

## Center 4SSW 2008 Water Year



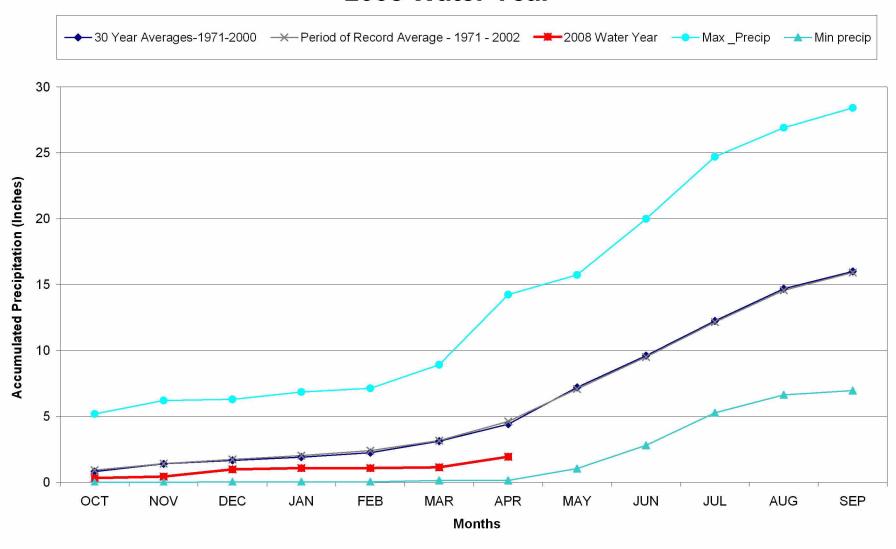
#### Division 5 – Pueblo

## Pueblo WSO 2008 Water Year



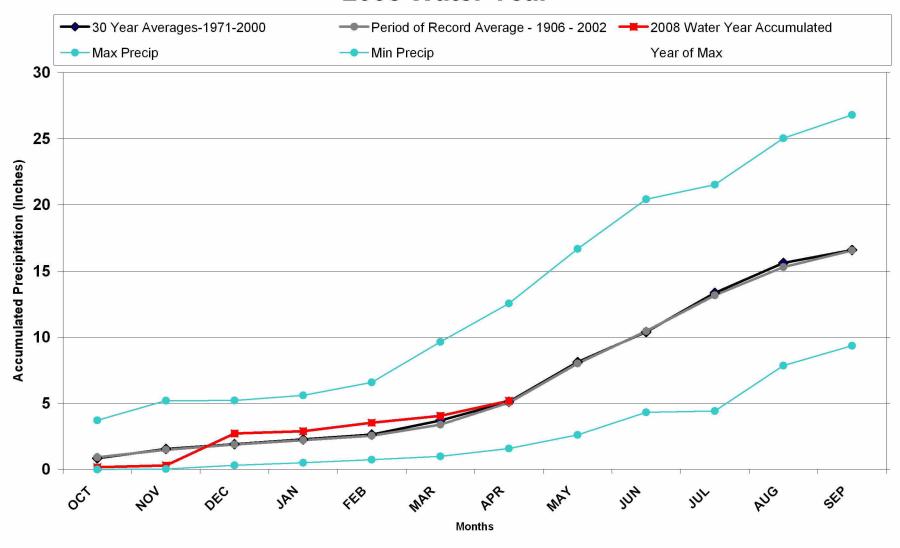
#### Division 6 – Cheyenne Wells

#### **Cheyenne Wells 2008 Water Year**



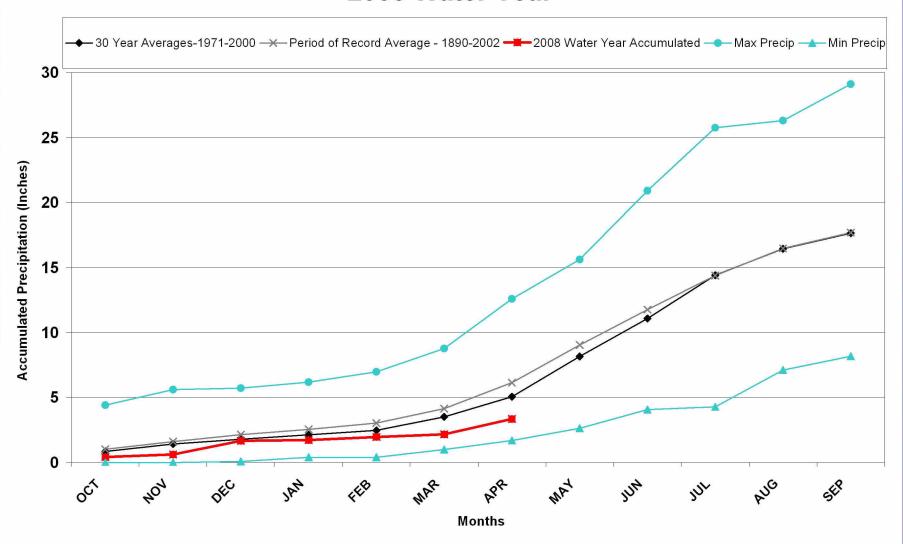
#### Division 7 – Akron

#### Akron 4E 2008 Water Year



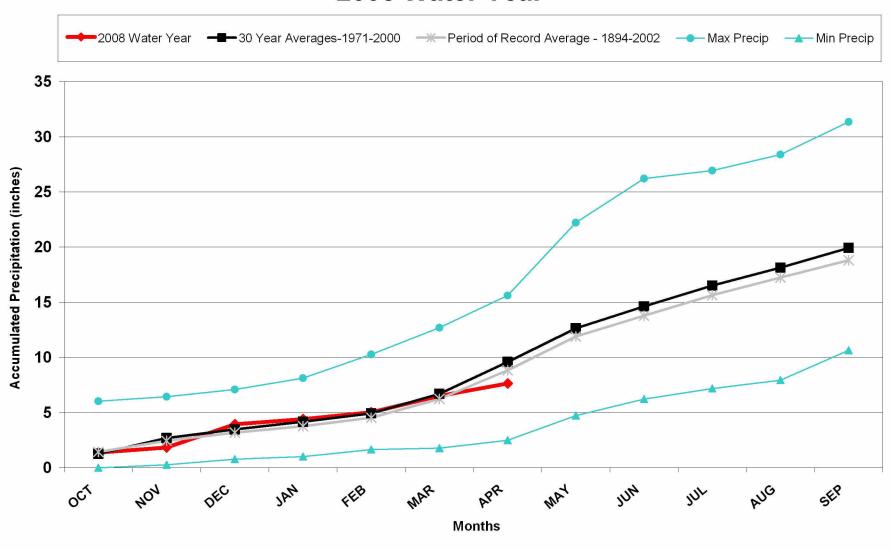
## Division 7 – Leroy

#### Leroy 5SW 2008 Water Year



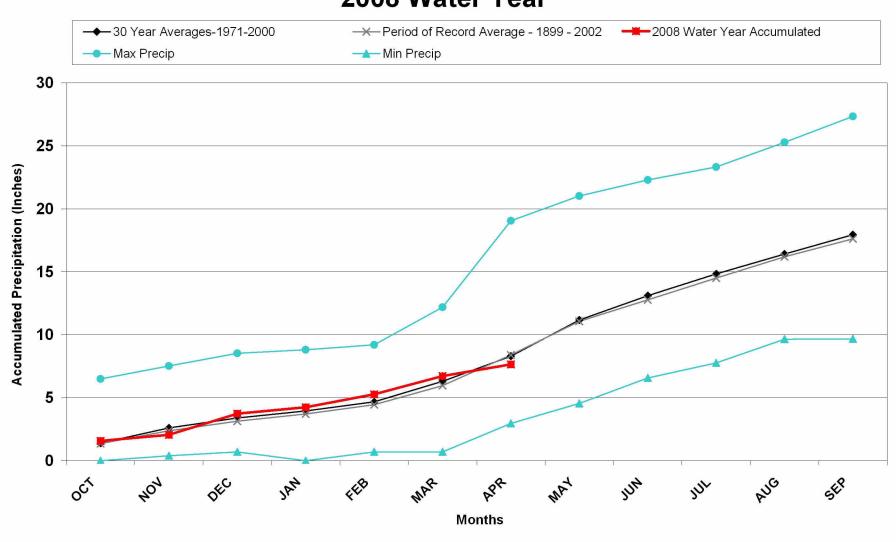
#### Division 8 – Boulder

#### Boulder 2008 Water Year

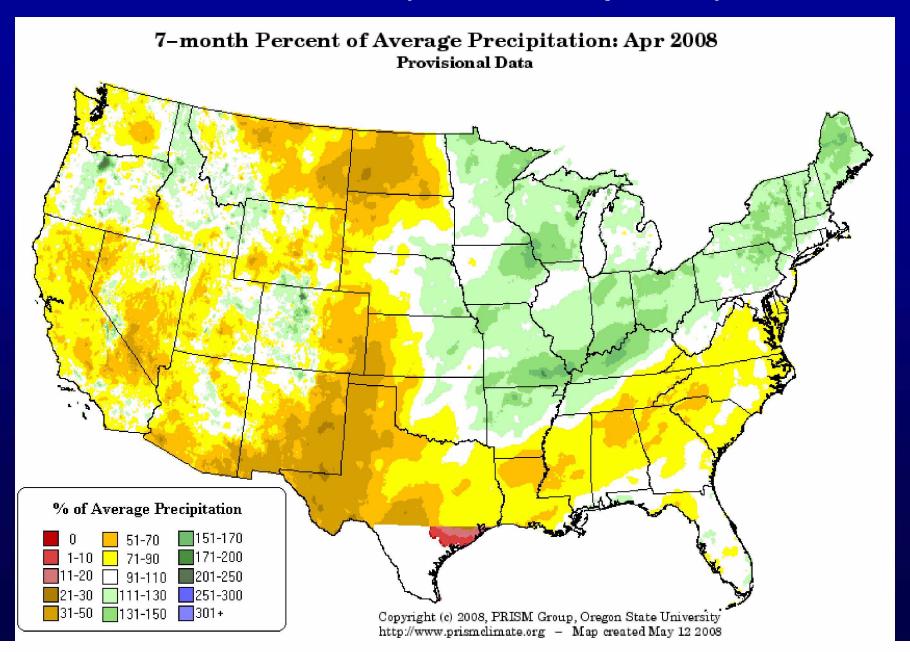


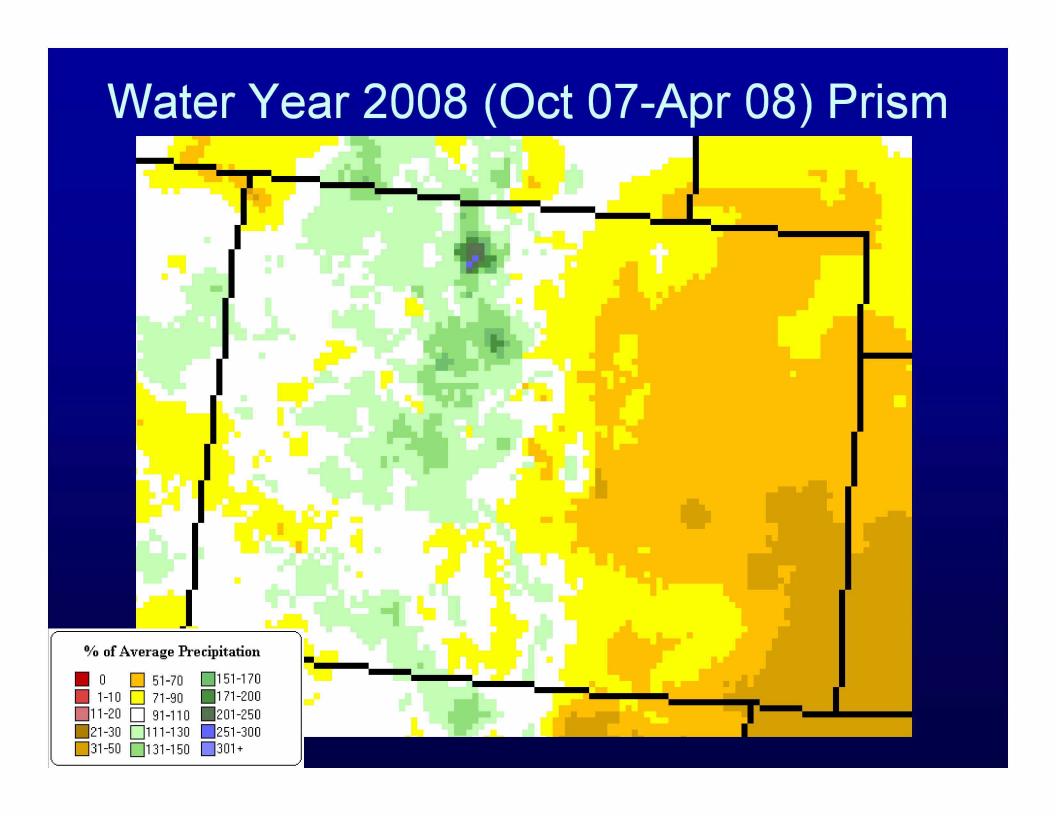
#### Division 8 – Kassler

#### Kassler 2008 Water Year



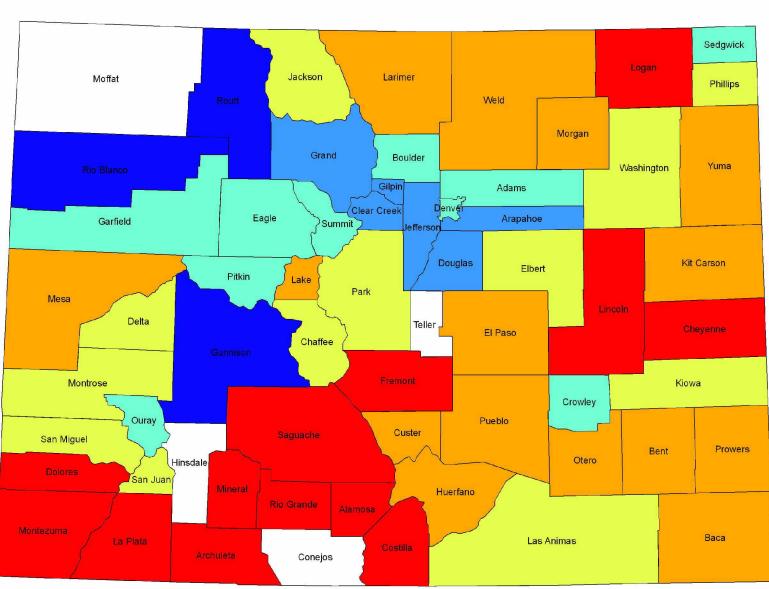
#### Water Year 2008 (Oct 07-Apr 08) Prism





## Average Cocorahs May 1- May 15 2008 Precipitation by County Colorado\_Counties





## Summary

- Cooler than average temperatures have continued through mid May (longest string of consecutive cooler than average months in many years)
- Spring precipitation through mid May has been highly variable
  - Above average precipitation in much of northern and central mountains
  - Southwest and south central Colorado very dry since March
  - Considerably drier than average since March over much of eastern Colorado
  - Average or better precipitation mid Front Range counties and extreme NE Colorado

## Summary continued

 Most low elevation snow has melted in its typical uneventful manner

High elevation melt out is now underway

No large spring storms so far this spring.
 Early summer mountain dry spell usually begins now.

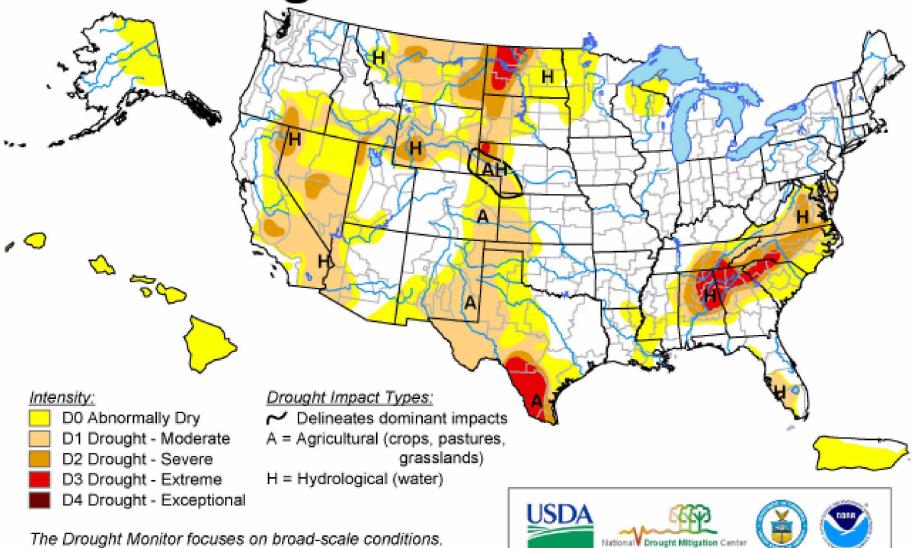
## Summary continued

Only four weeks remain in eastern
Colorado's typical "Wet season."
Thereafter, we shift to primarily convective
precipitation – storms locally intense but
usually not widespread.

 June – peak tornado season – Watch out for HAIL.

#### U.S. Drought Monitor

April 8, 2008

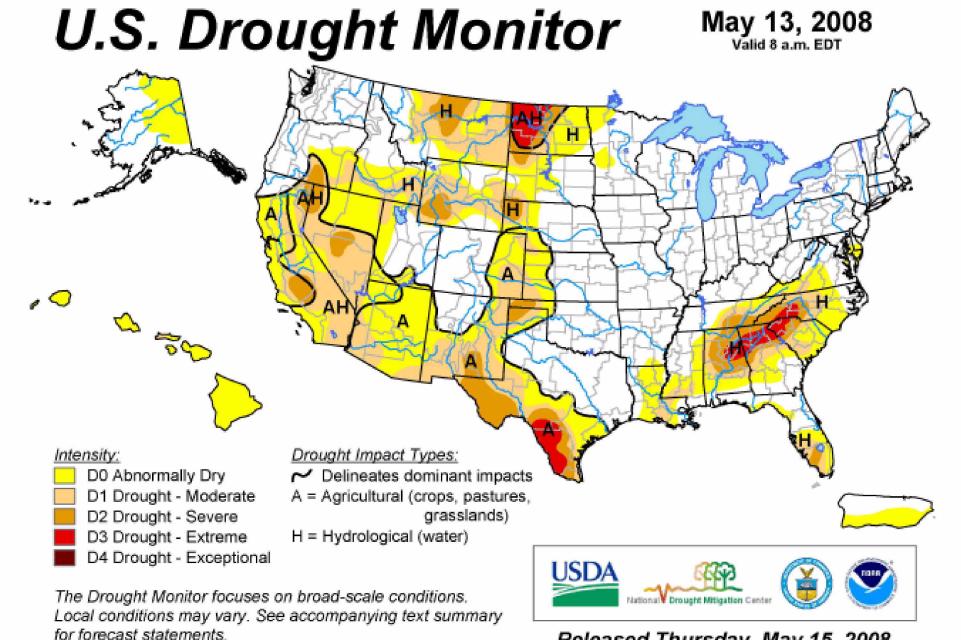


The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

http://drought.unl.edu/dm

Released Thursday, April 10, 2008

Author: Rich Tinker, Climate Prediction Center, NOAA



http://drought.unl.edu/dm

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

#### Colorado Climate Center

# Data and Power Point Presentations available for downloading

http://ccc.atmos.colostate.edu

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

