

# *Climate Update*

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Colorado State University

<http://ccc.atmos.colostate.edu>

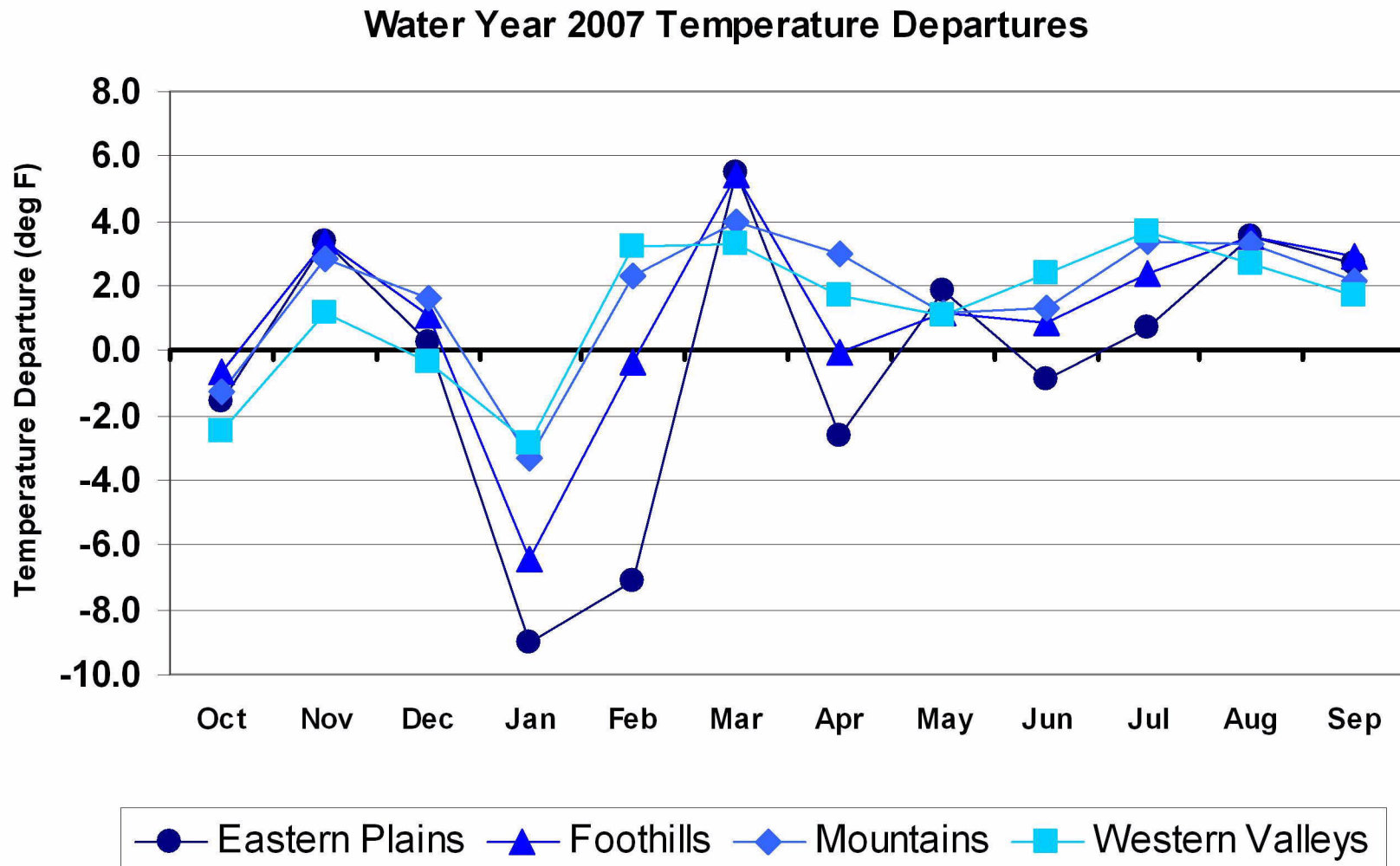
Presented to Water Availability  
Task Force, Denver, CO, January 18, 2008

Prepared by Odie Bliss  
Photo by Wendy Ryan



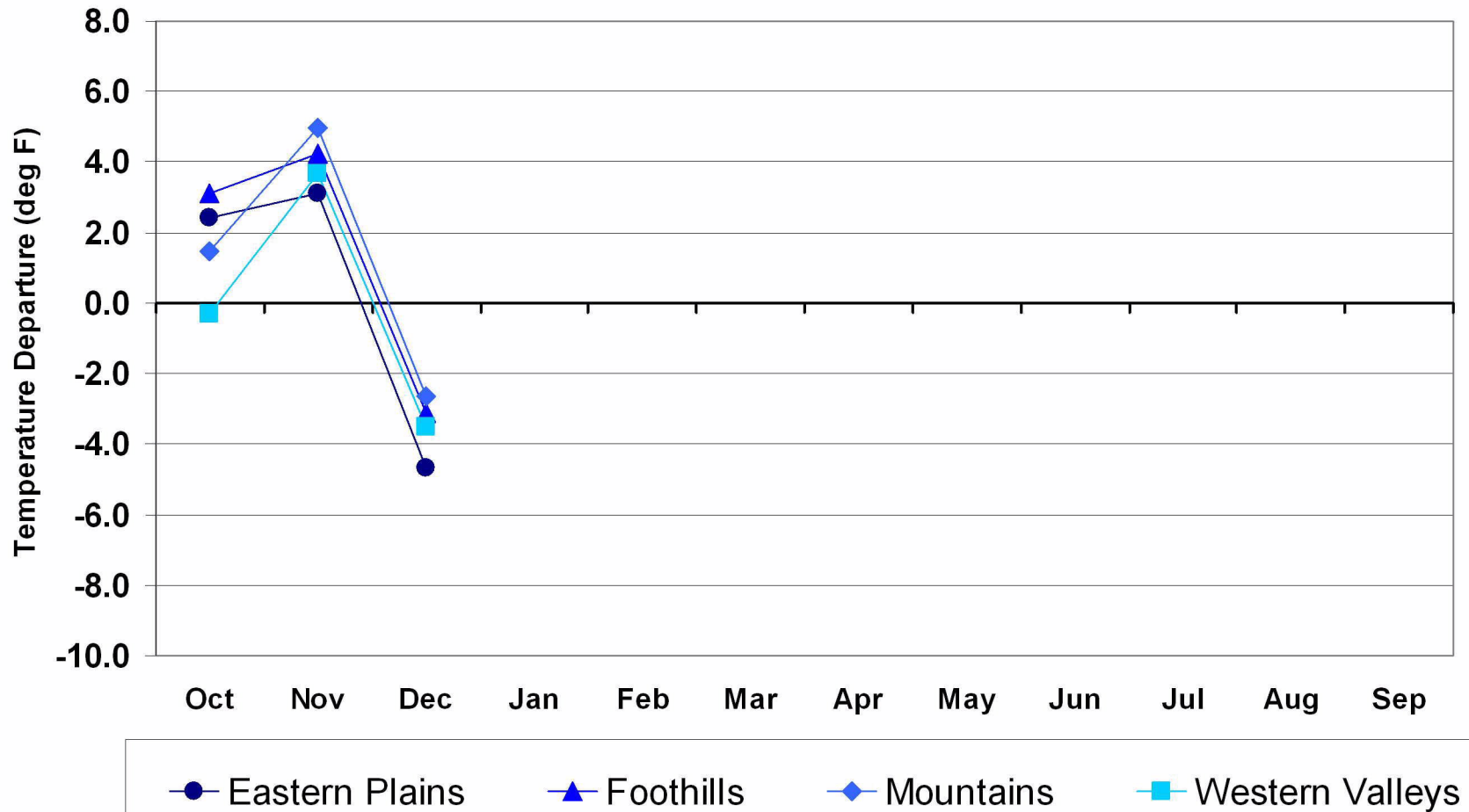
**Colorado  
State  
University**  
*Knowledge to Go Places*

# Water Year 2007 Temperature Departures

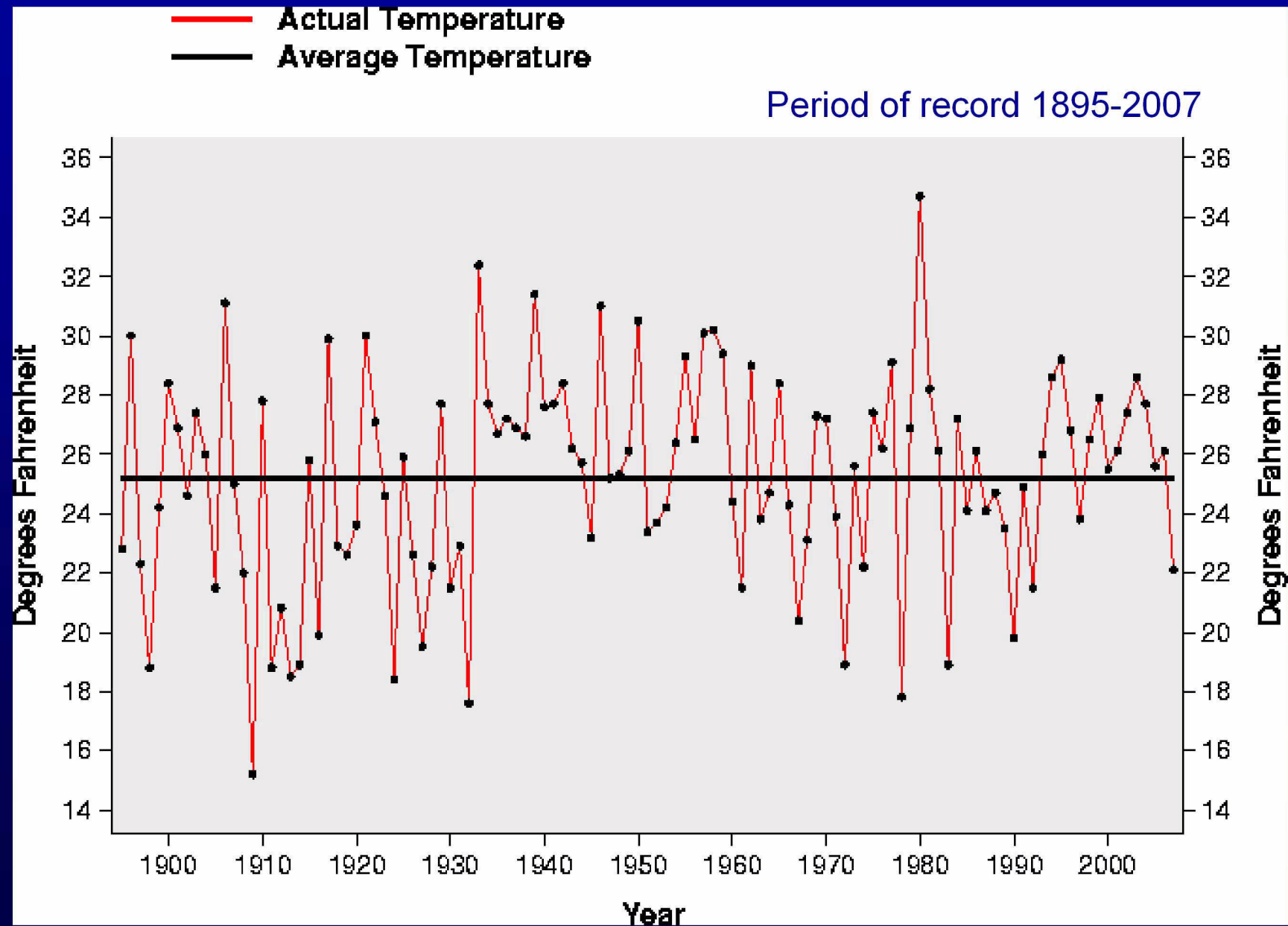


# Water Year 2008 Temperature Departures

## Water Year 2008 Temperature Departures

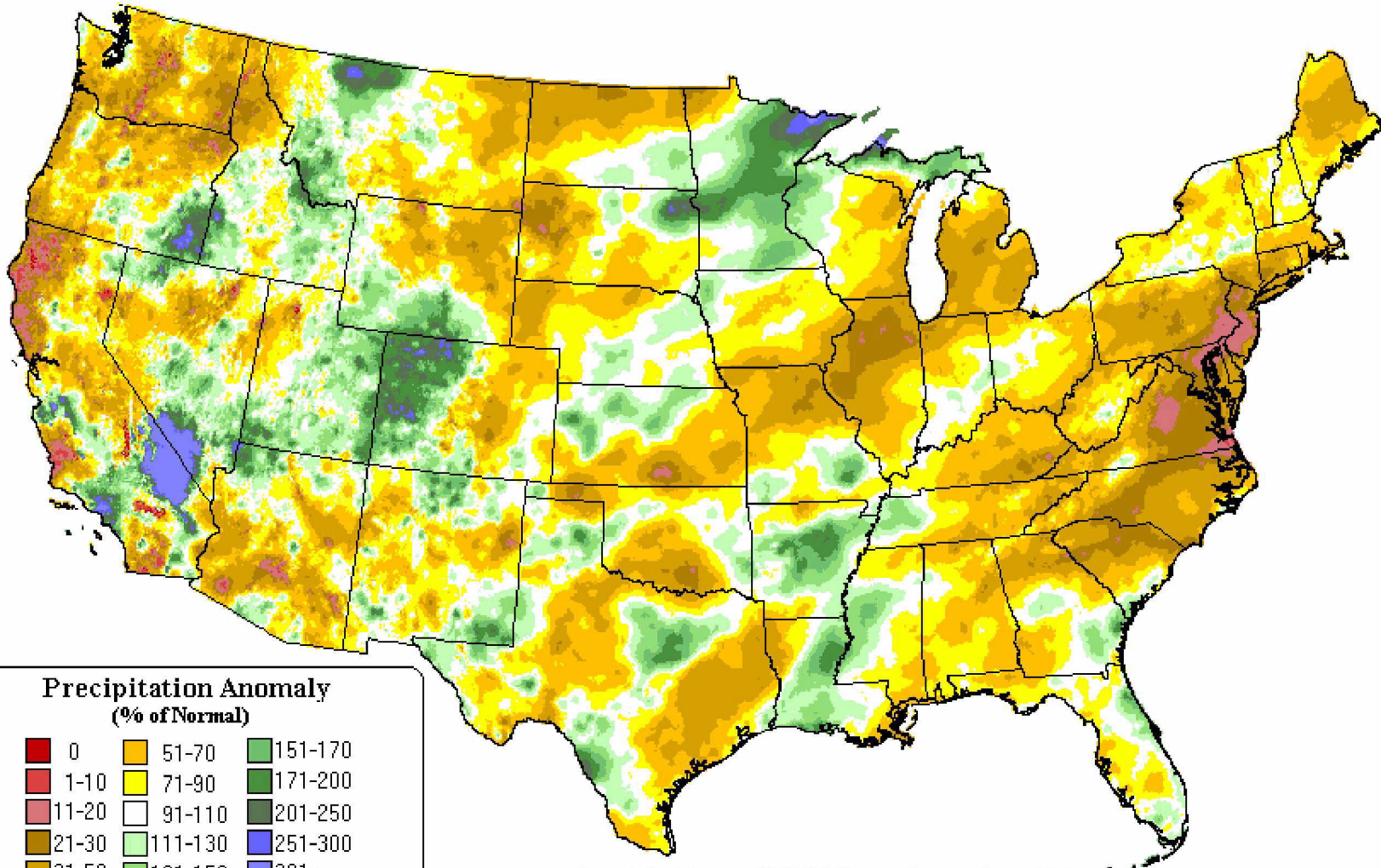


# December Average Temperature History for Colorado (NCDC)

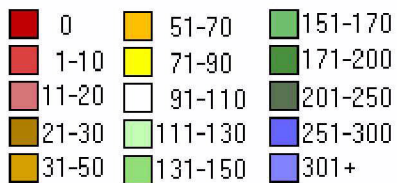


# Sept 2007 Percent of Average (Prism)

## Precipitation Anomaly: Sep 2007 Preliminary Data



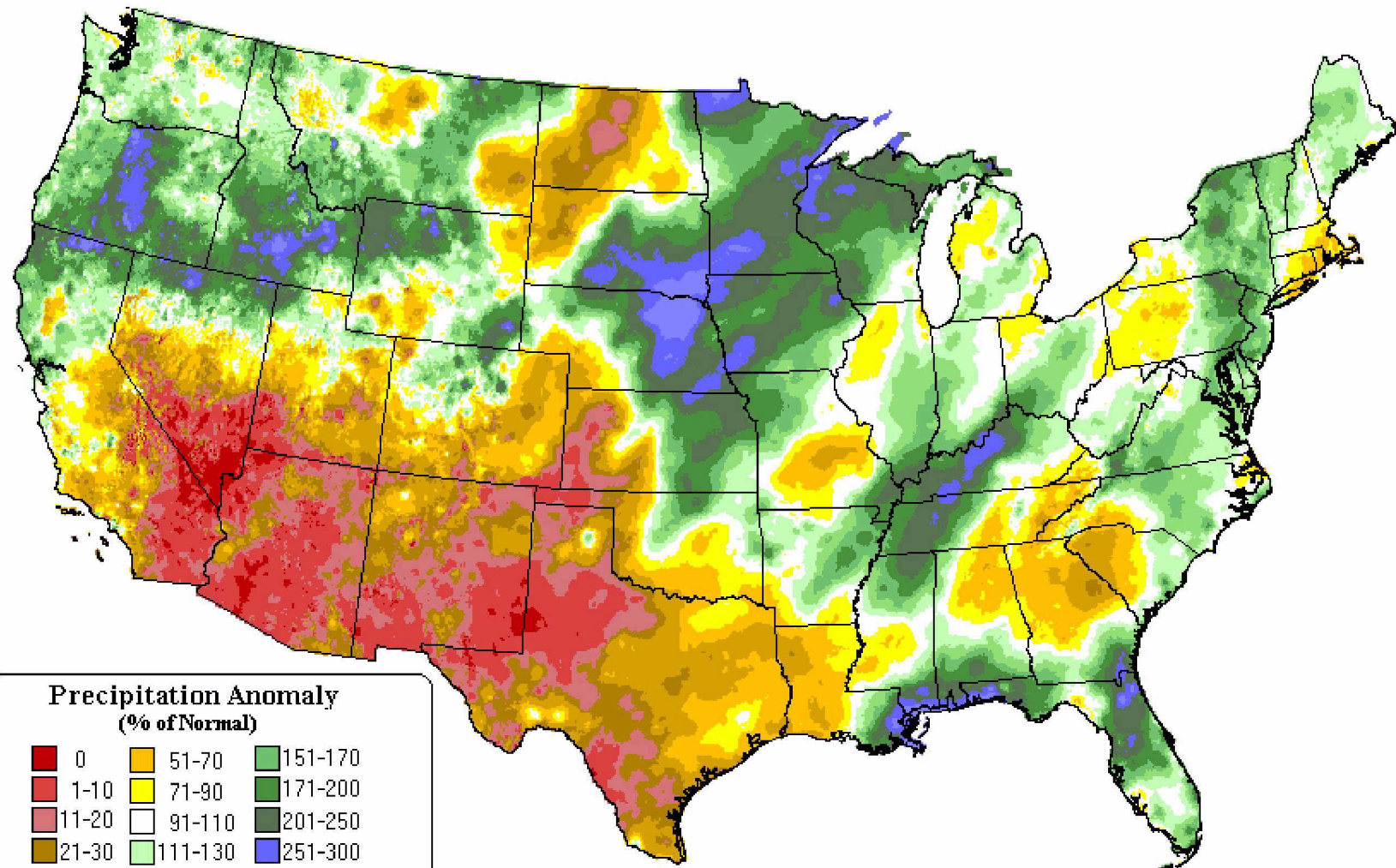
### Precipitation Anomaly (% of Normal)



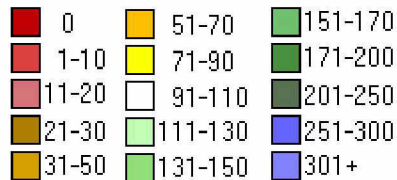
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<http://www.prismclimate.org> - Map created Jan 11 2008

# Oct 2007 Percent of Average (Prism)

Precipitation Anomaly: Oct 2007  
Provisional Data



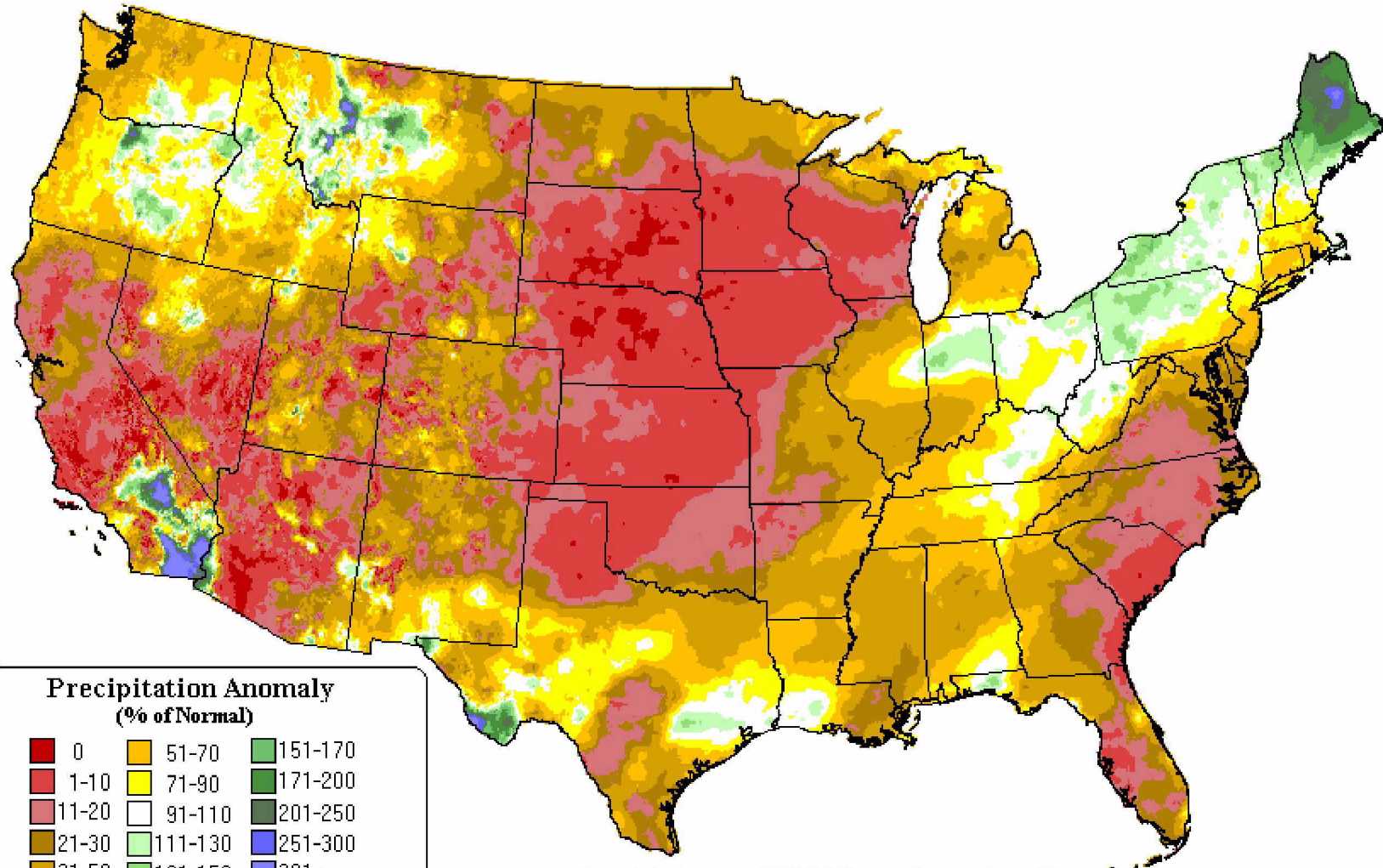
Precipitation Anomaly  
(% of Normal)



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# Nov 2007 Percent of Average (Prism)

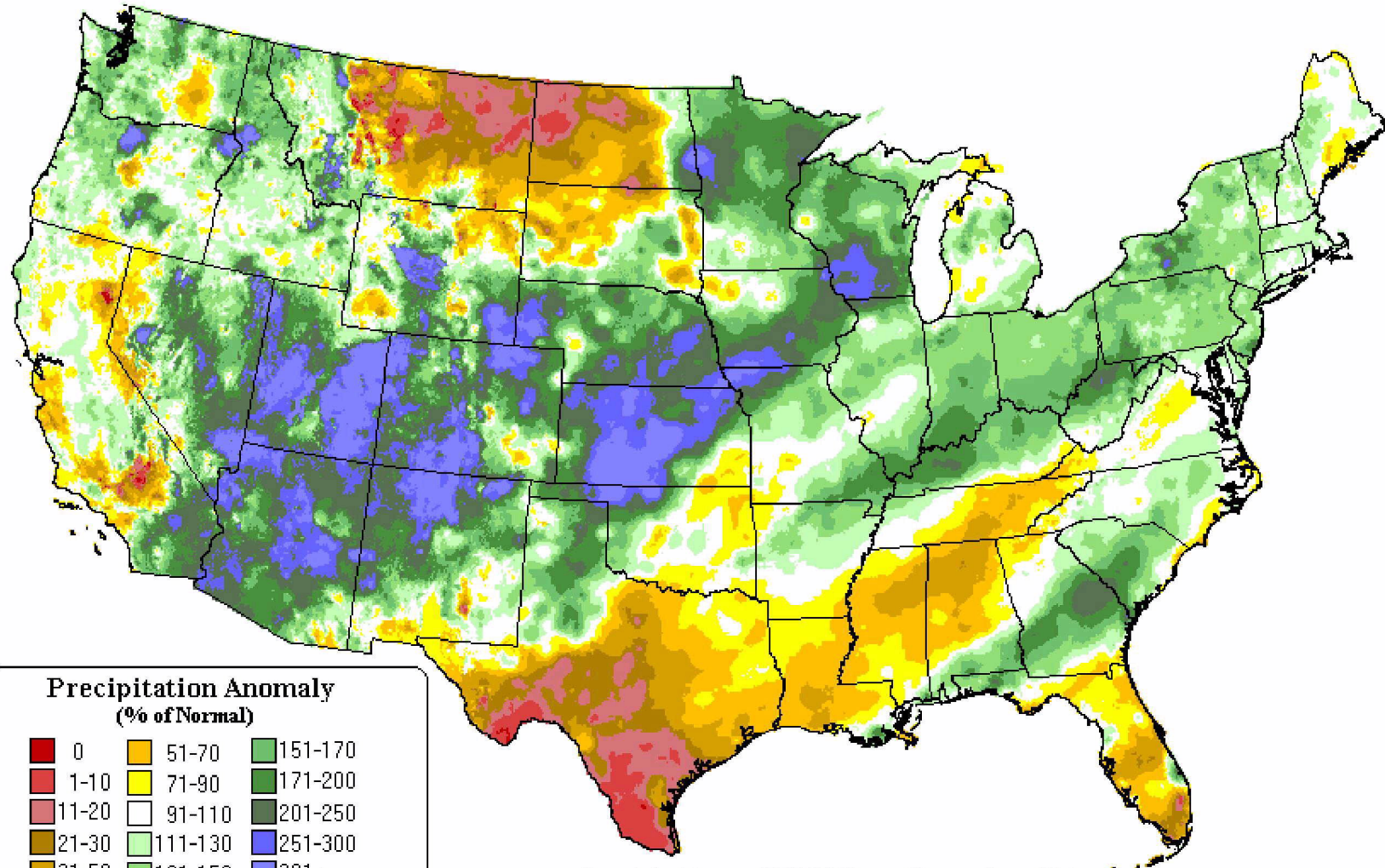
Precipitation Anomaly: Nov 2007  
Provisional Data



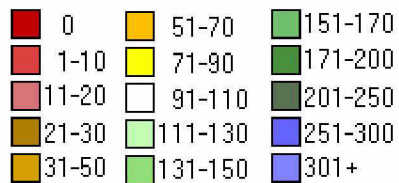
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<http://www.prismclimate.org> - Map created Jan 11 2008

# Dec 2007 Percent of Average (Prism)

Precipitation Anomaly: Dec 2007  
Provisional Data



Precipitation Anomaly  
(% of Normal)



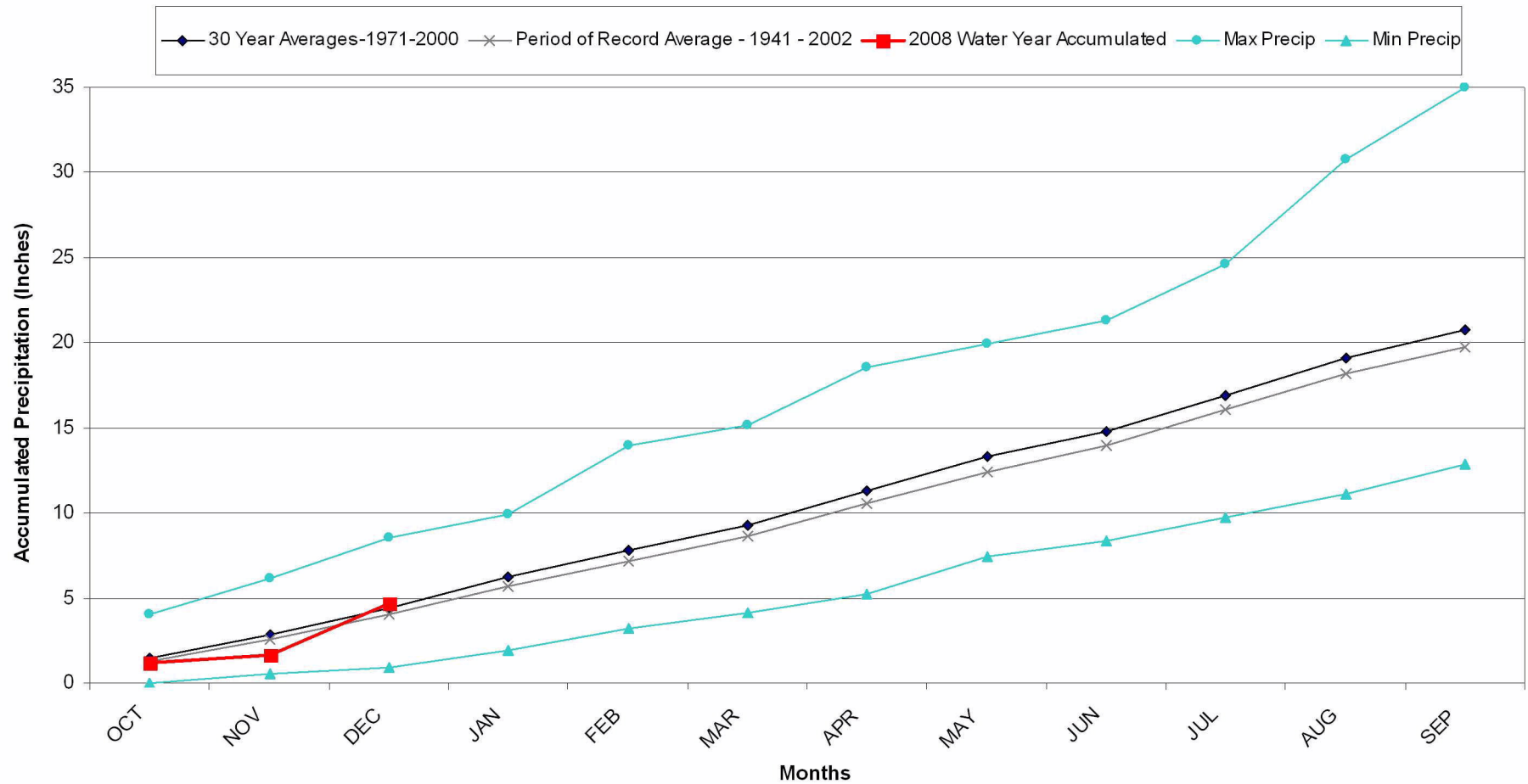
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# Division 1– Grand Lake 1NW

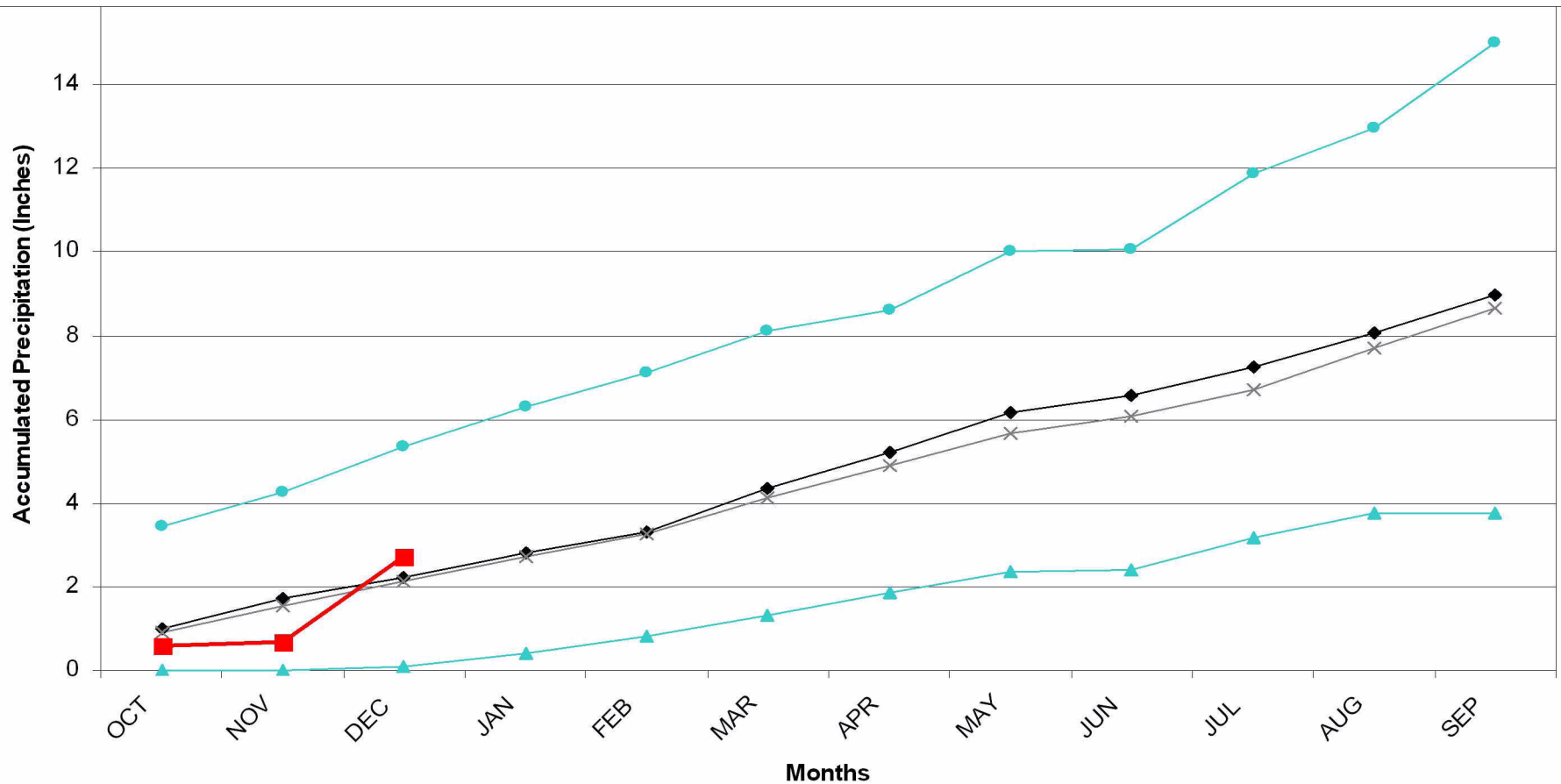
## Grand Lake 1 NW 2008 Water Year



# Division 2 – Grand Junction

## Grand Junction WSFO 2008 Water Year Accumulated

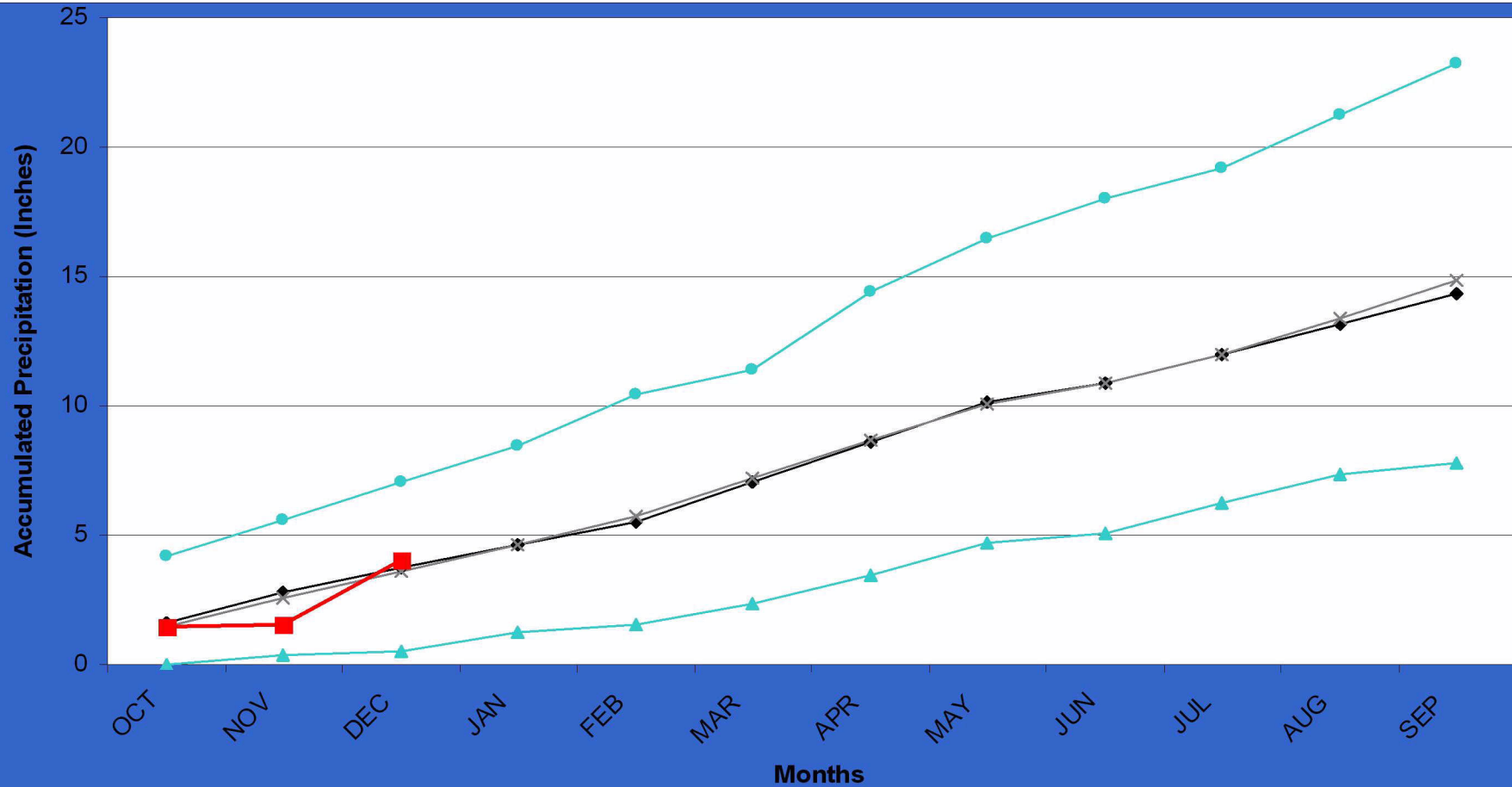
◆ 30 Year Averages-1971-2000      ✕ Period of Record Average - 1893- 2002      ■ 2008 Water Year Accumulated  
● Max Precip      ▲ Min Precip



# Division 2 – Collbran

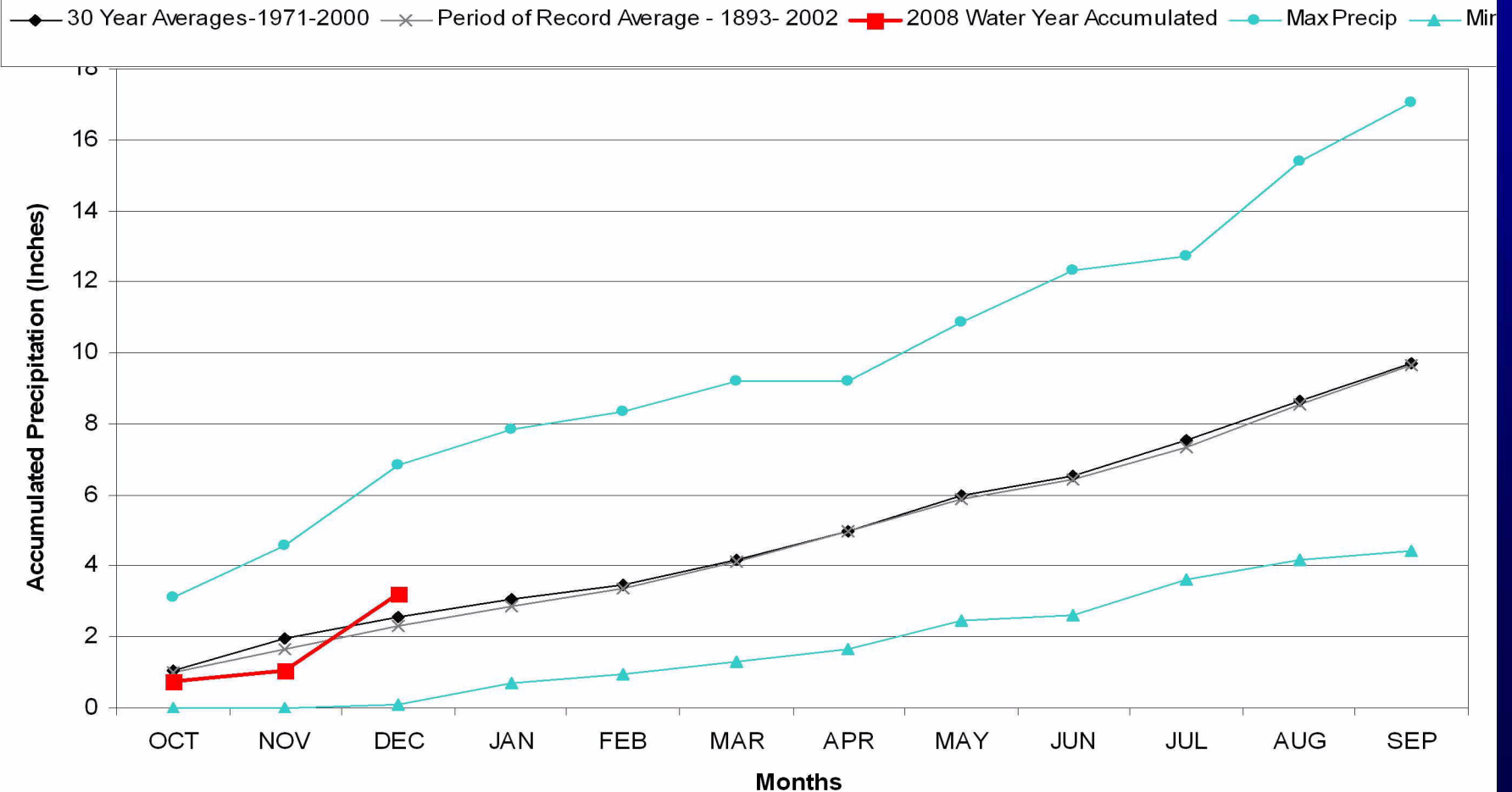
## Collbran 2SW 2008 Water Year

◆ 30 Year Averages-1971-2000      ✕ Period of Record Average - 1893 - 2002      ■ 2008 Water Year Accumulated  
● MaxPrecip      ▲ min precip



# Division 3 – Montrose

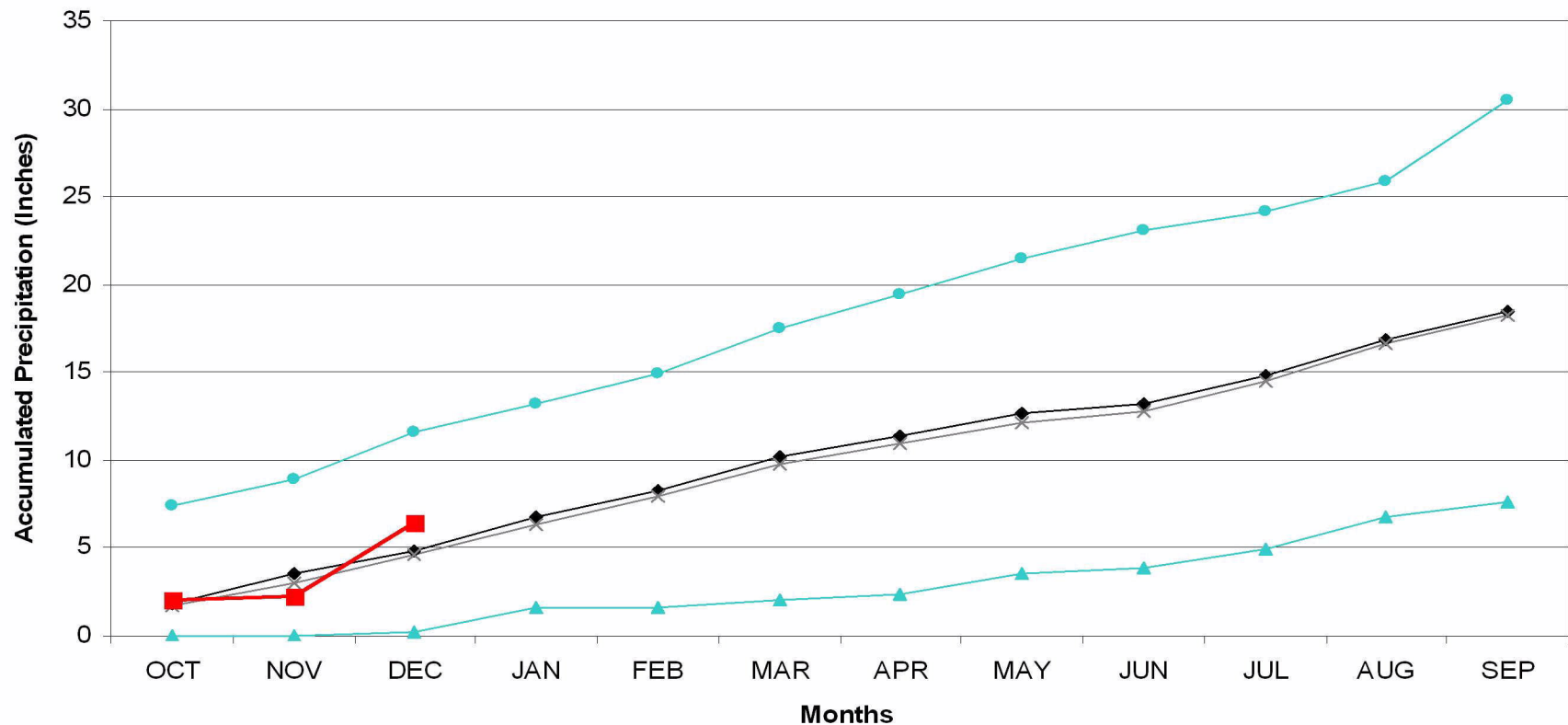
## Montrose #2 2008 Water Year



# Division 3 – Mesa Verde

## Mesa Verde NP 2008 Water Year

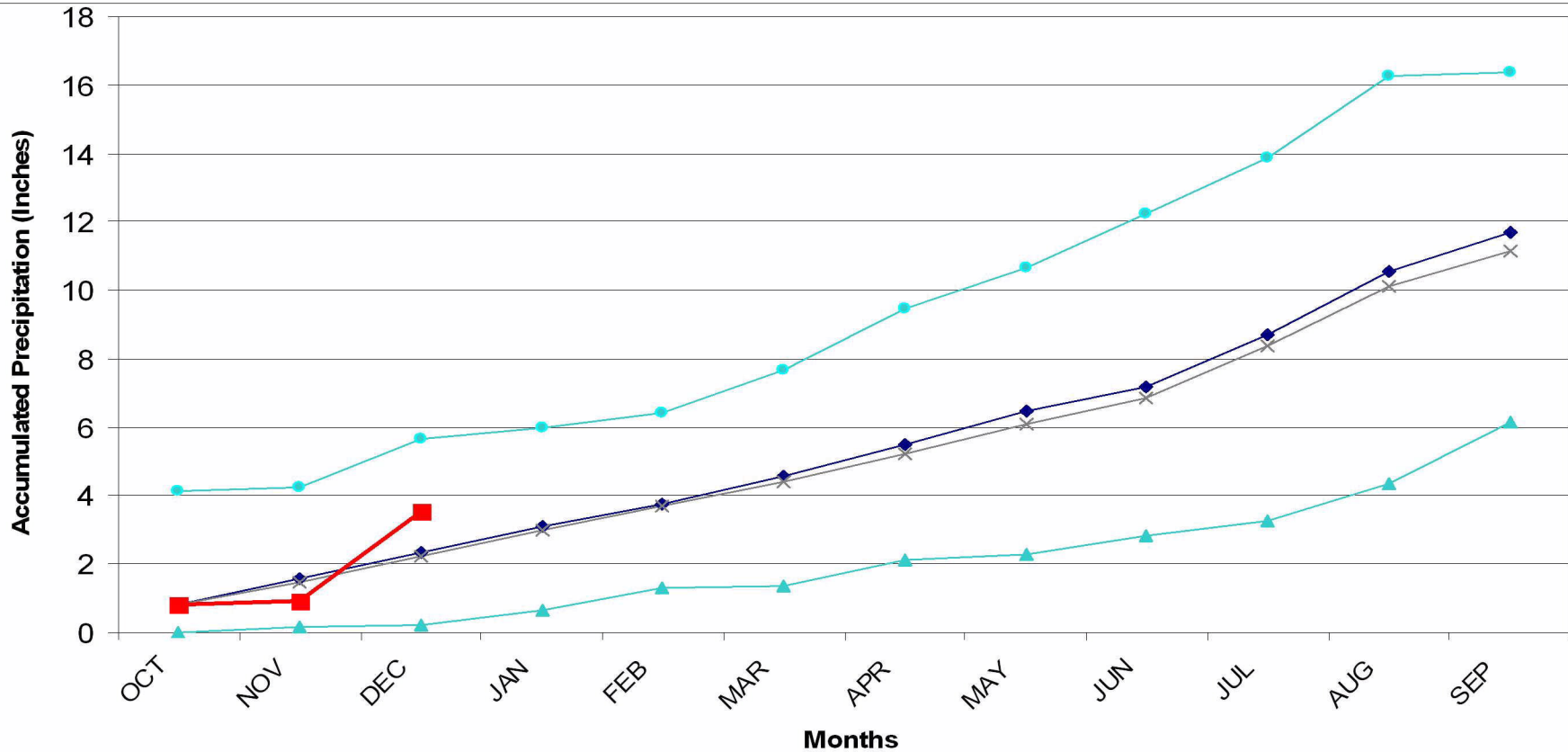
◆ 30 Year Averages-1971-2000    ✕ Period of Record Average - 1893- 2002    ■ 2008 Water Year Accumulated    ● Max Precip    ▲ Min



# Division 3 – Cochetopa Creek

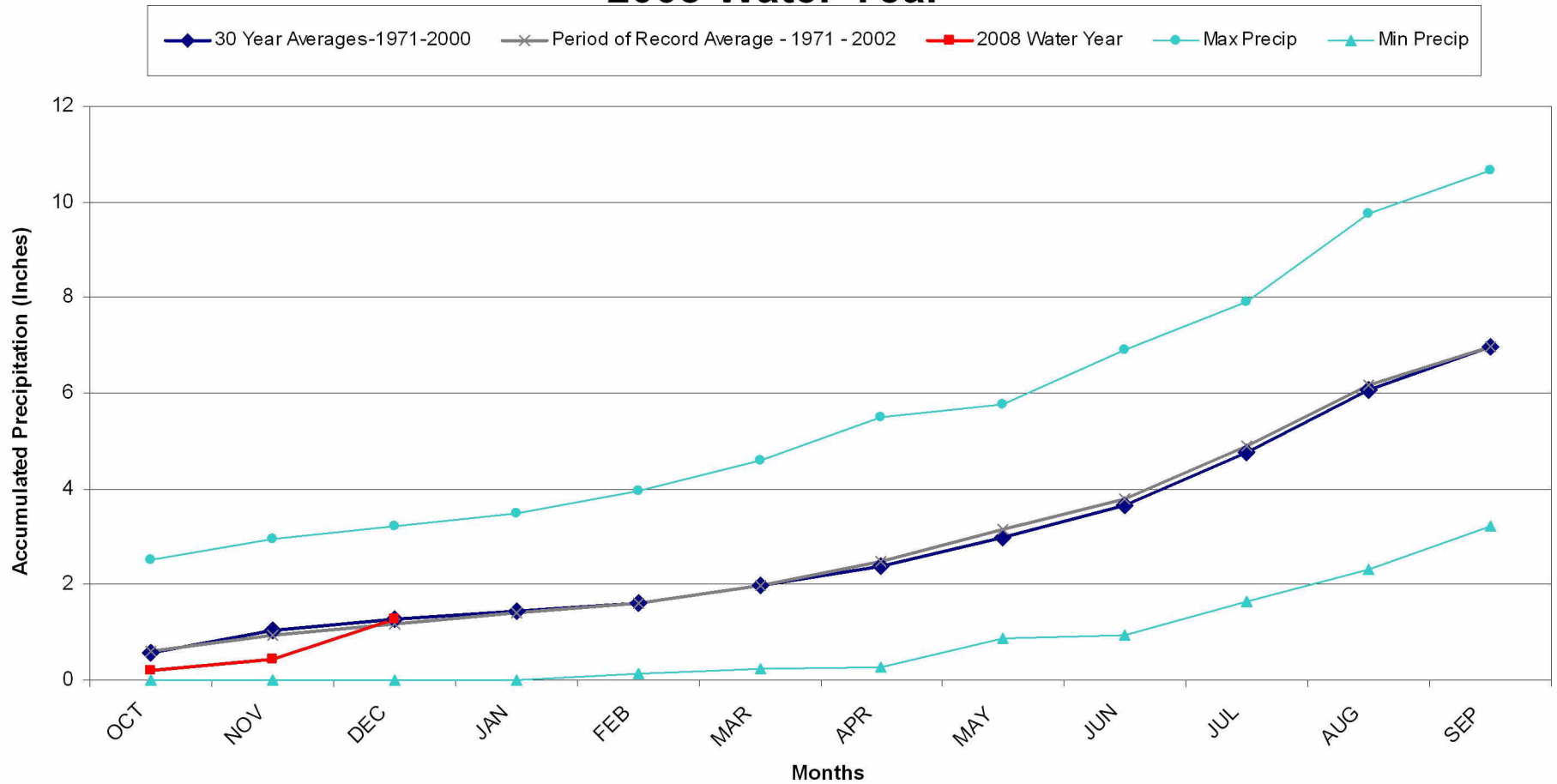
## Cochetopa Creek 2008 Water Year

◆ 30 Year Averages-1971-2000    ✕ Period of Record Average - 1949 - 2002    ■ 2008 Water Year    ● Max Precip    ▲ Min Precip



# Division 4 – Center

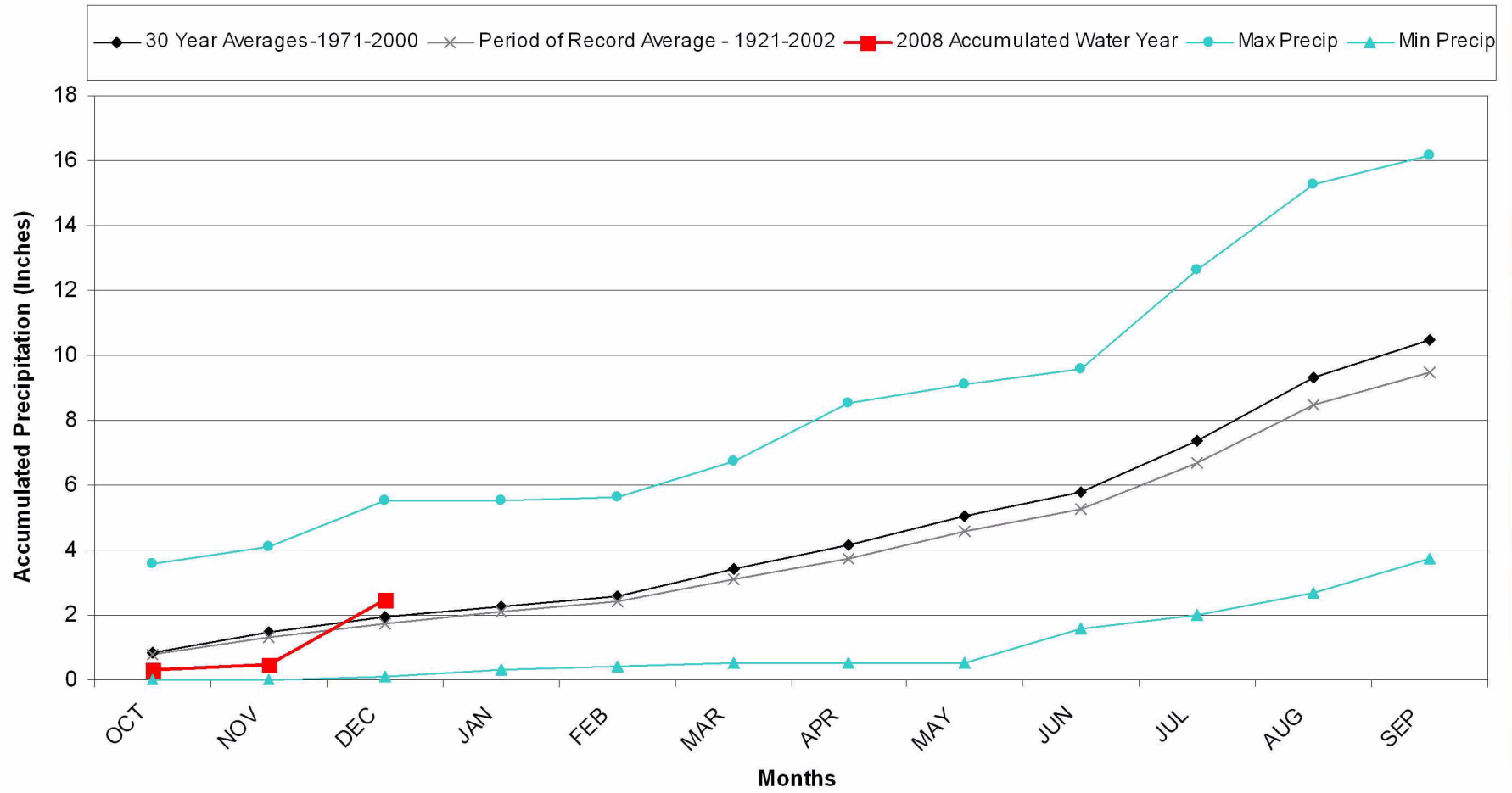
## Center 4SSW 2008 Water Year





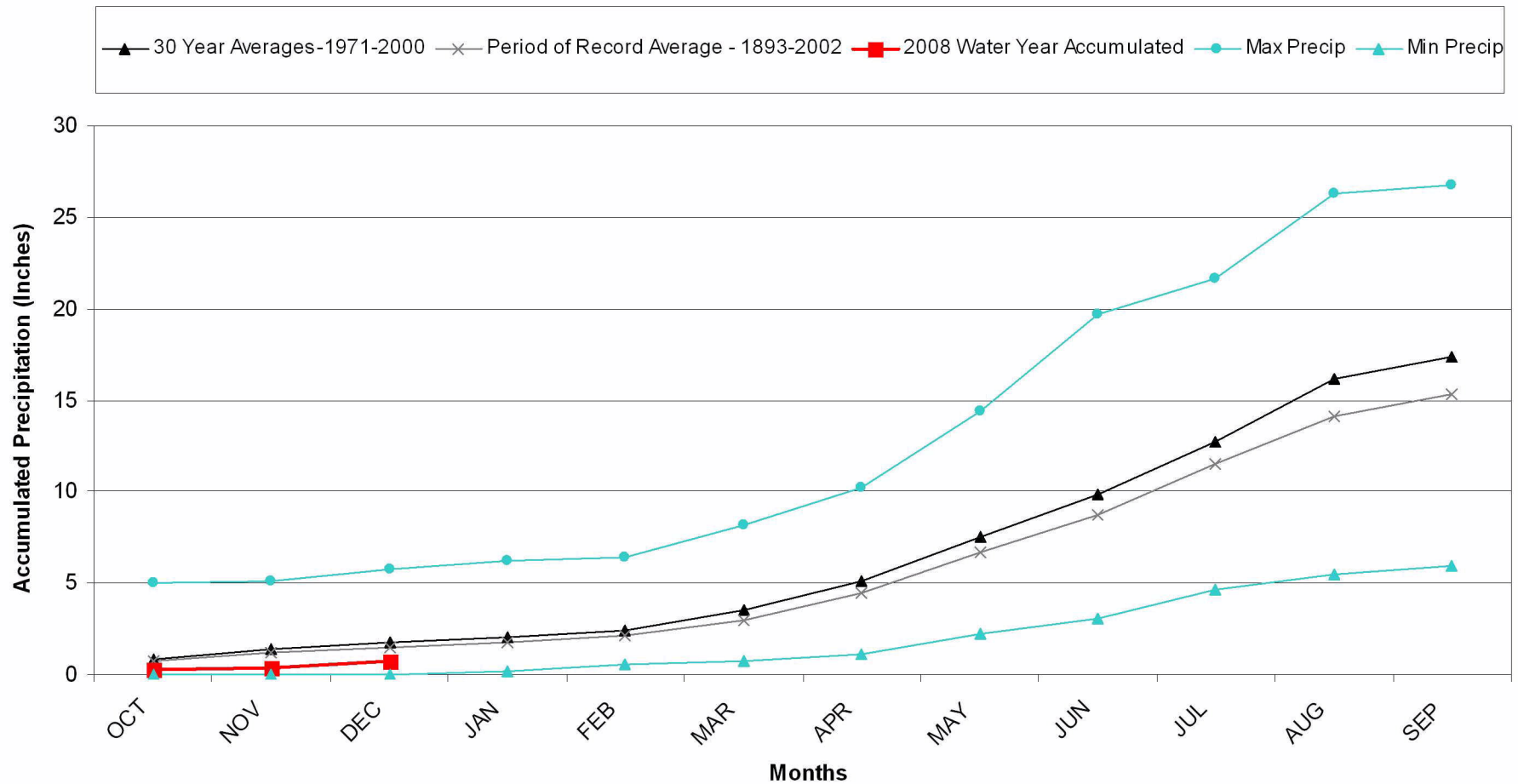
# Division 4 – Del Norte

## Del Norte 2008 Water Year



# Division 5 – Colorado Springs

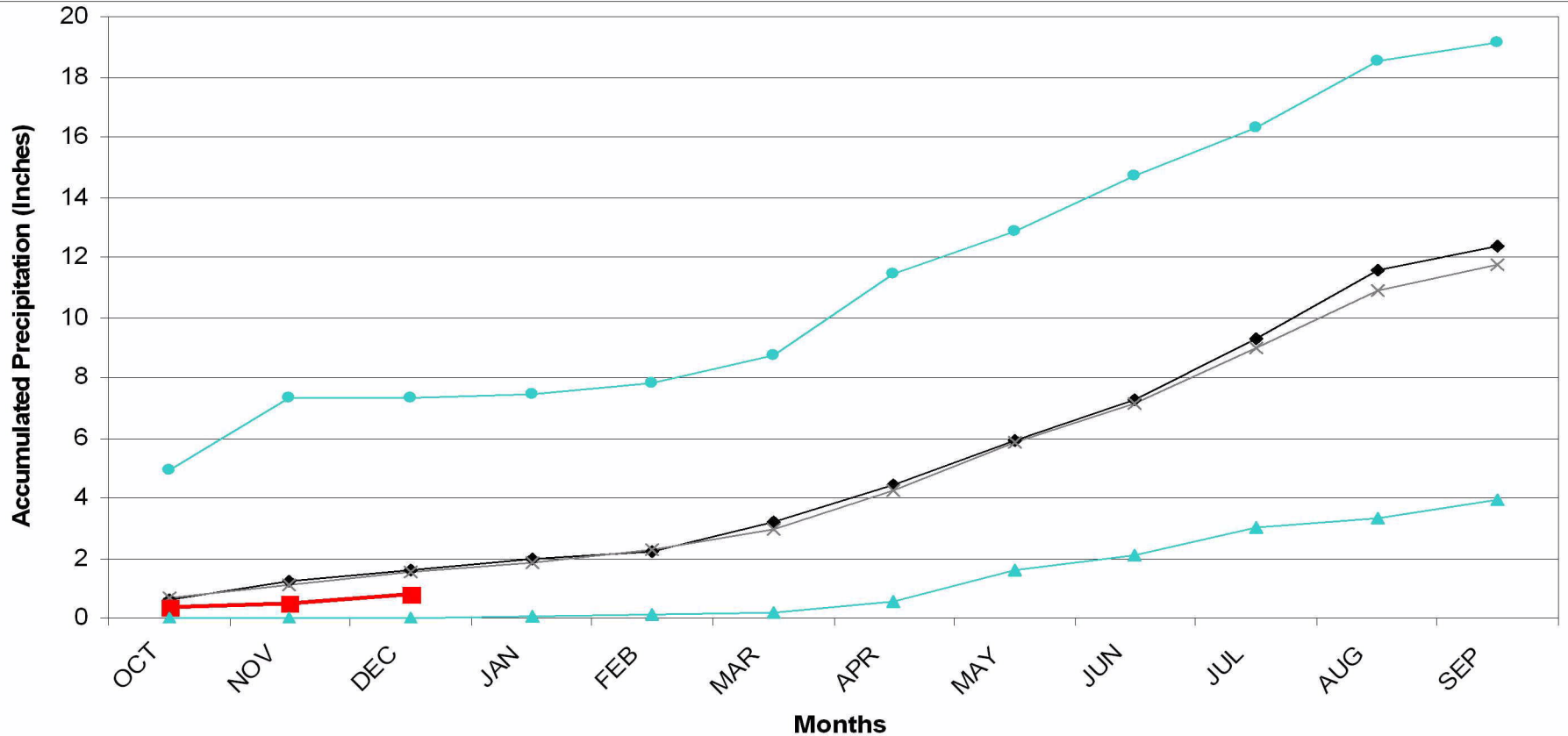
## Colorado Springs 2008 Water Year



# Division 5 – Pueblo

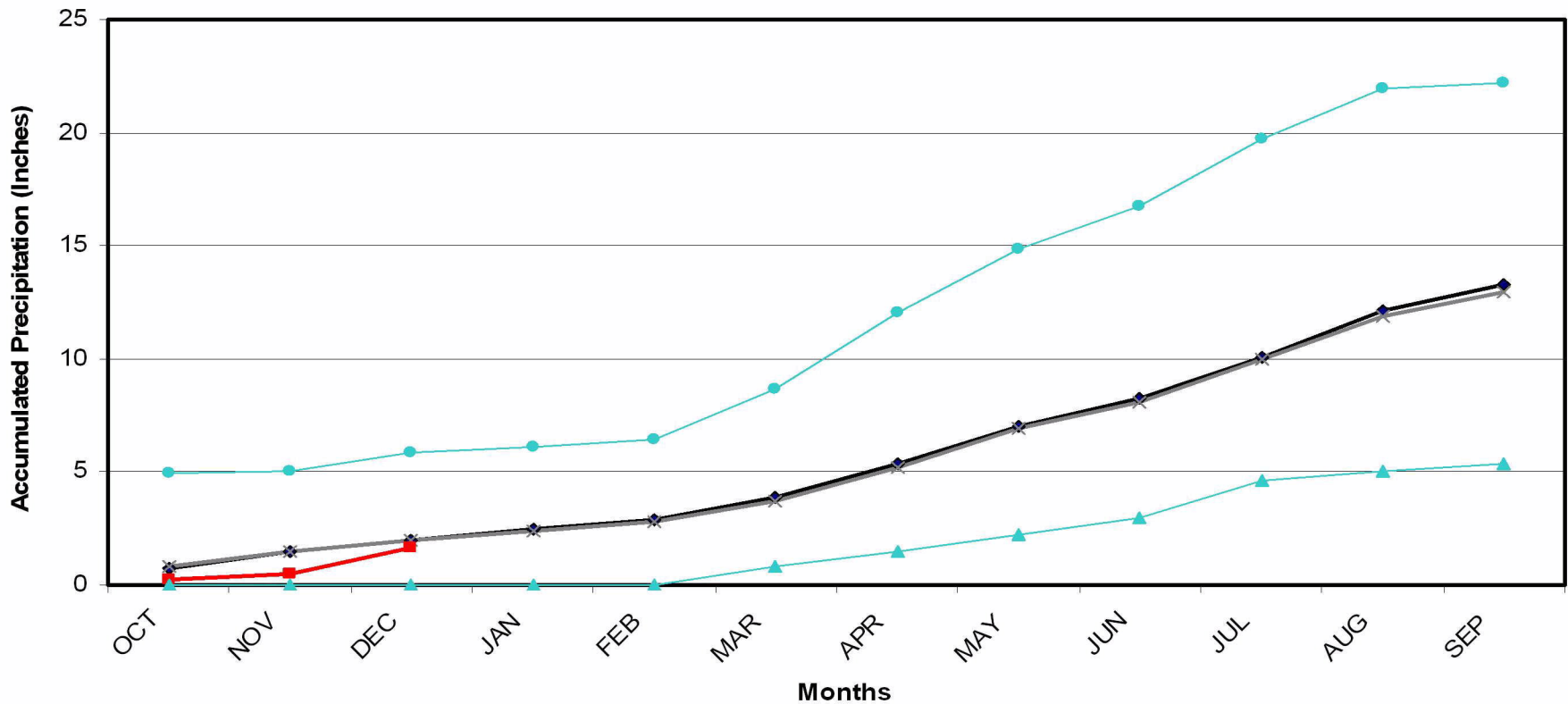
## Pueblo WSO 2008 Water Year

◆ 30 Year Averages-1971-2000    ✕ Period of Record Average - 1874-2000    ■ 2008 Water Year Accumulated    ● Max Precip    ▲ Min



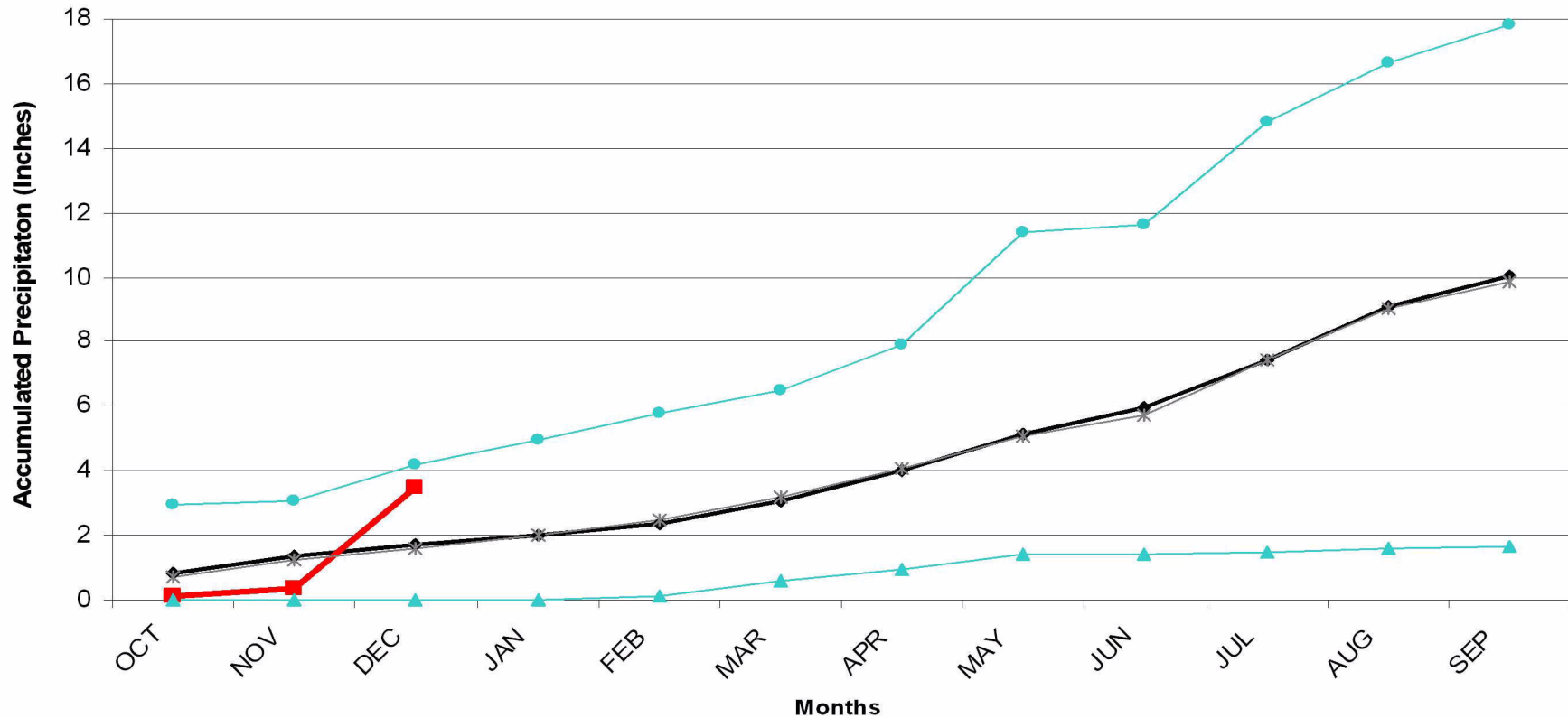
# Division 5 – Canon City

## Canon City 2008 Water Year



# Division 5 – Buena Vista

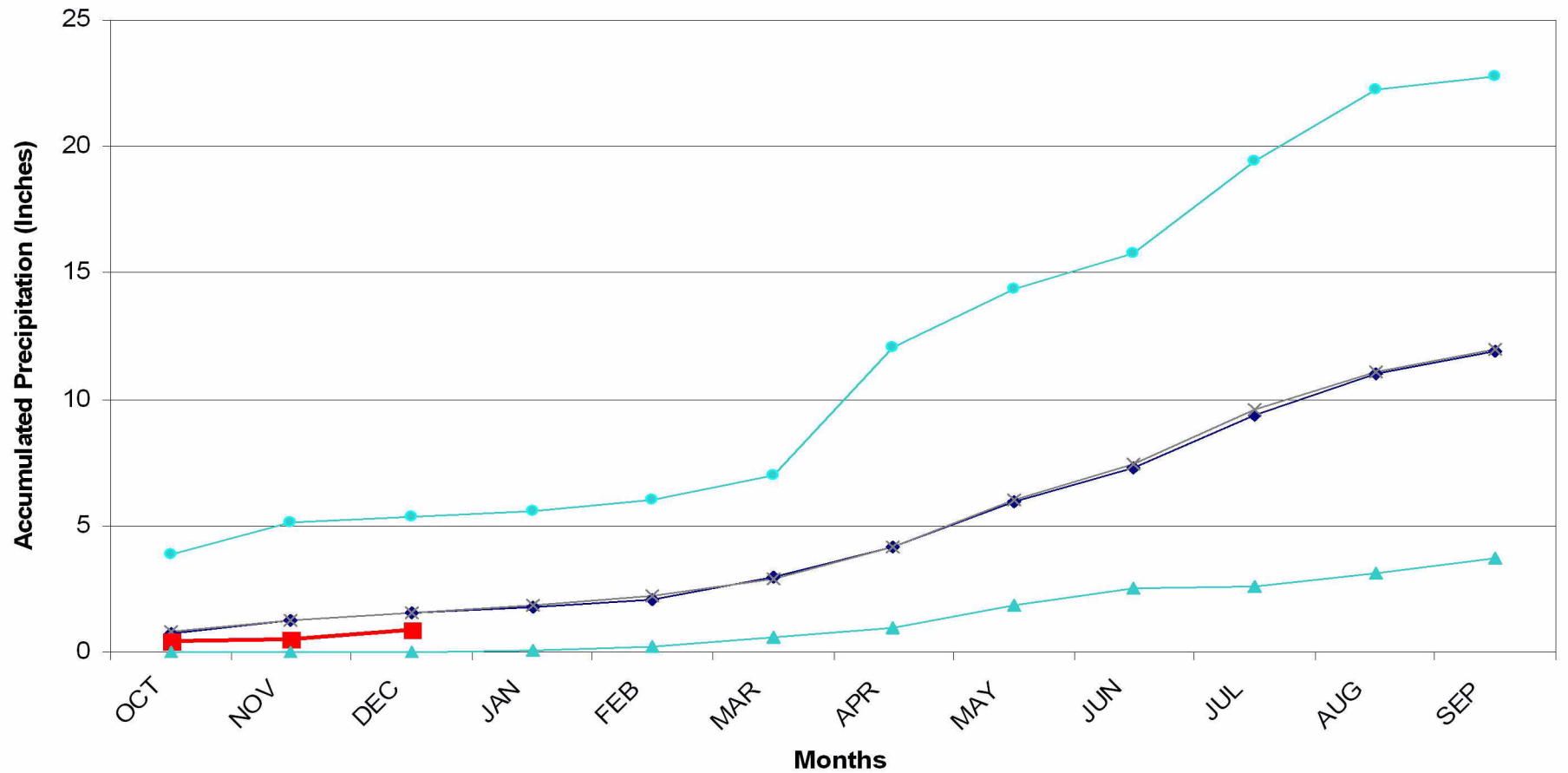
## Buena Vista 2008 Water Year



# Division 6 – Rocky Ford

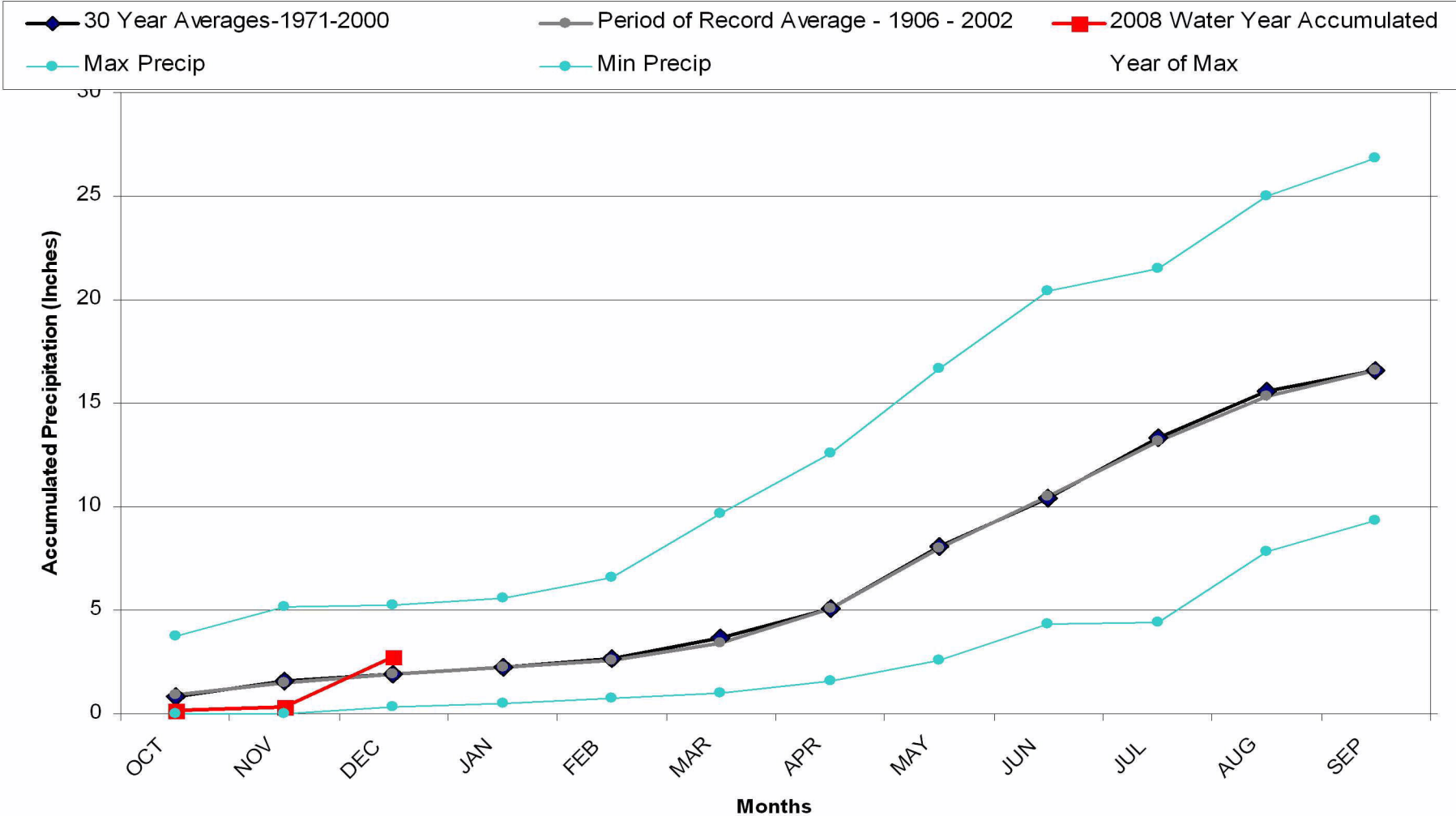
## Rocky Ford 2008 Water Year

◆ 30 Year Averages-1971-2000    ✕ Period of Record Average - 1889-2002    ■ 2008 Water Year Accumulated    ● Max Precip    ▲ mi



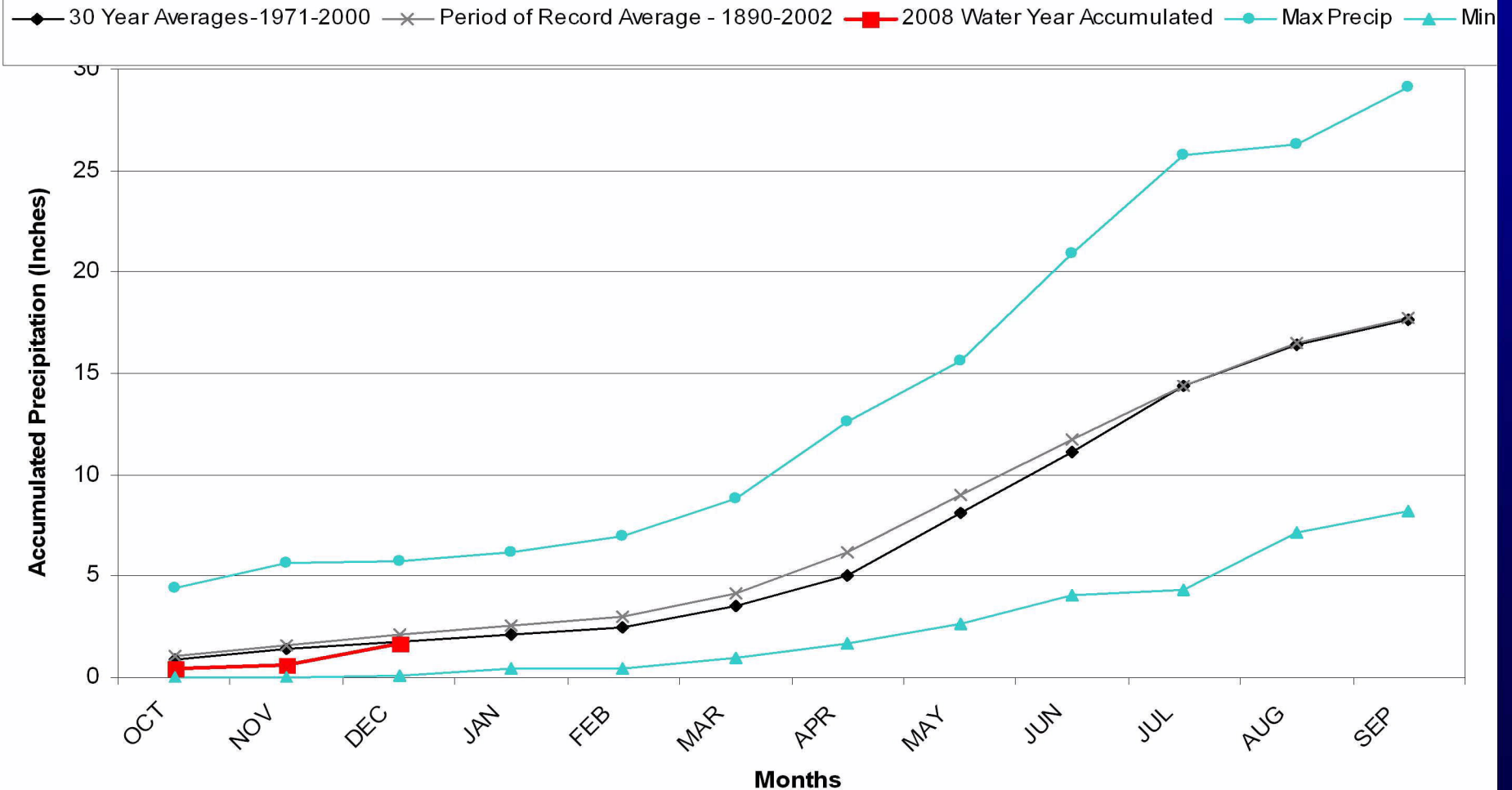
# Division 7 – Akron

## Akron 4E 2008 Water Year



# Division 7 – Leroy

## Leroy 5SW 2008 Water Year

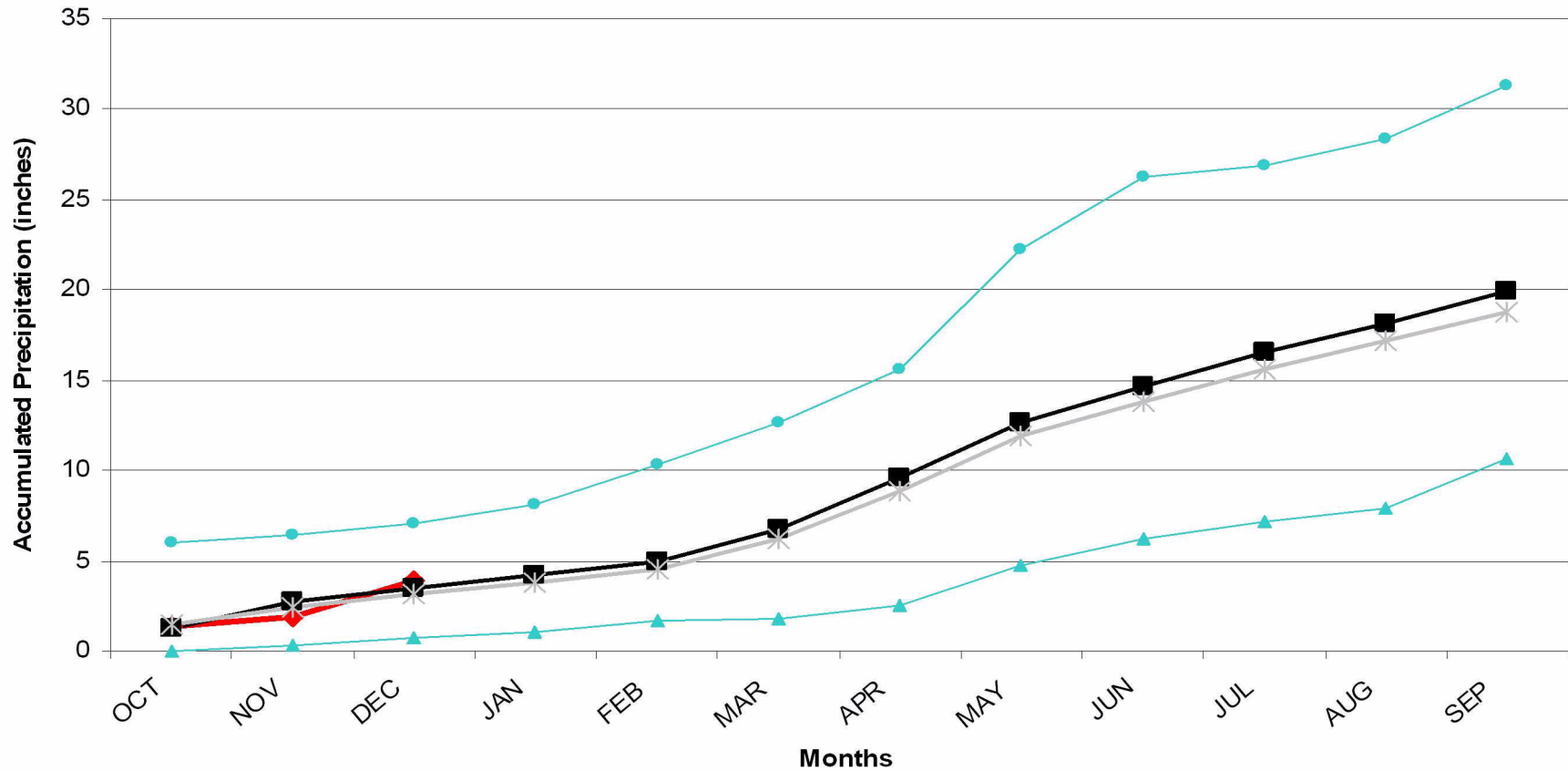




# Division 8 – Boulder

## Boulder 2008 Water Year

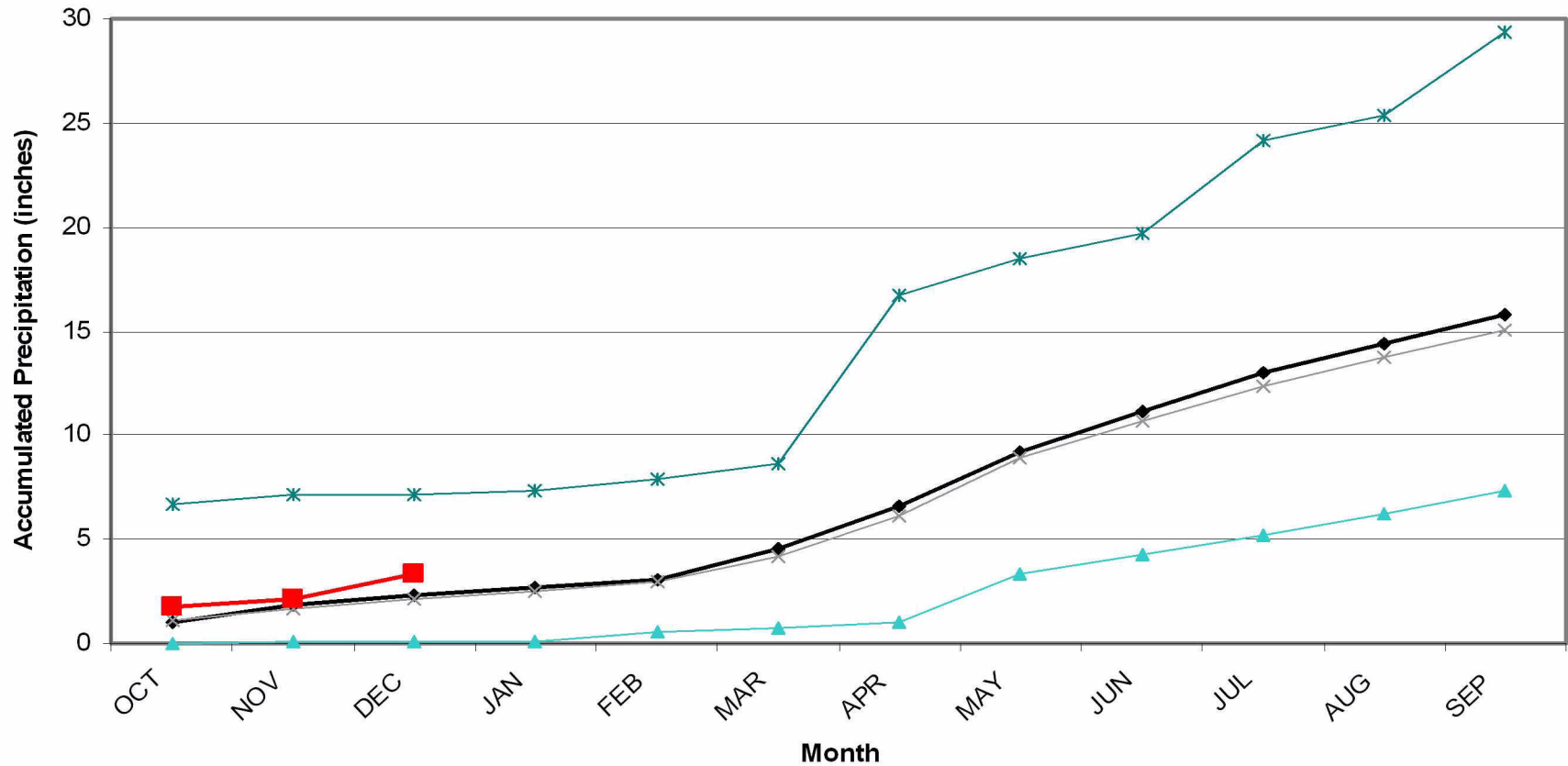
2008 Water Year    30 Year Averages-1971-2000    Period of Record Average - 1894-2002    MaxPrecip    Min Pr



# Division 8 – Fort Collins

## Fort Collins 2008 Water Year

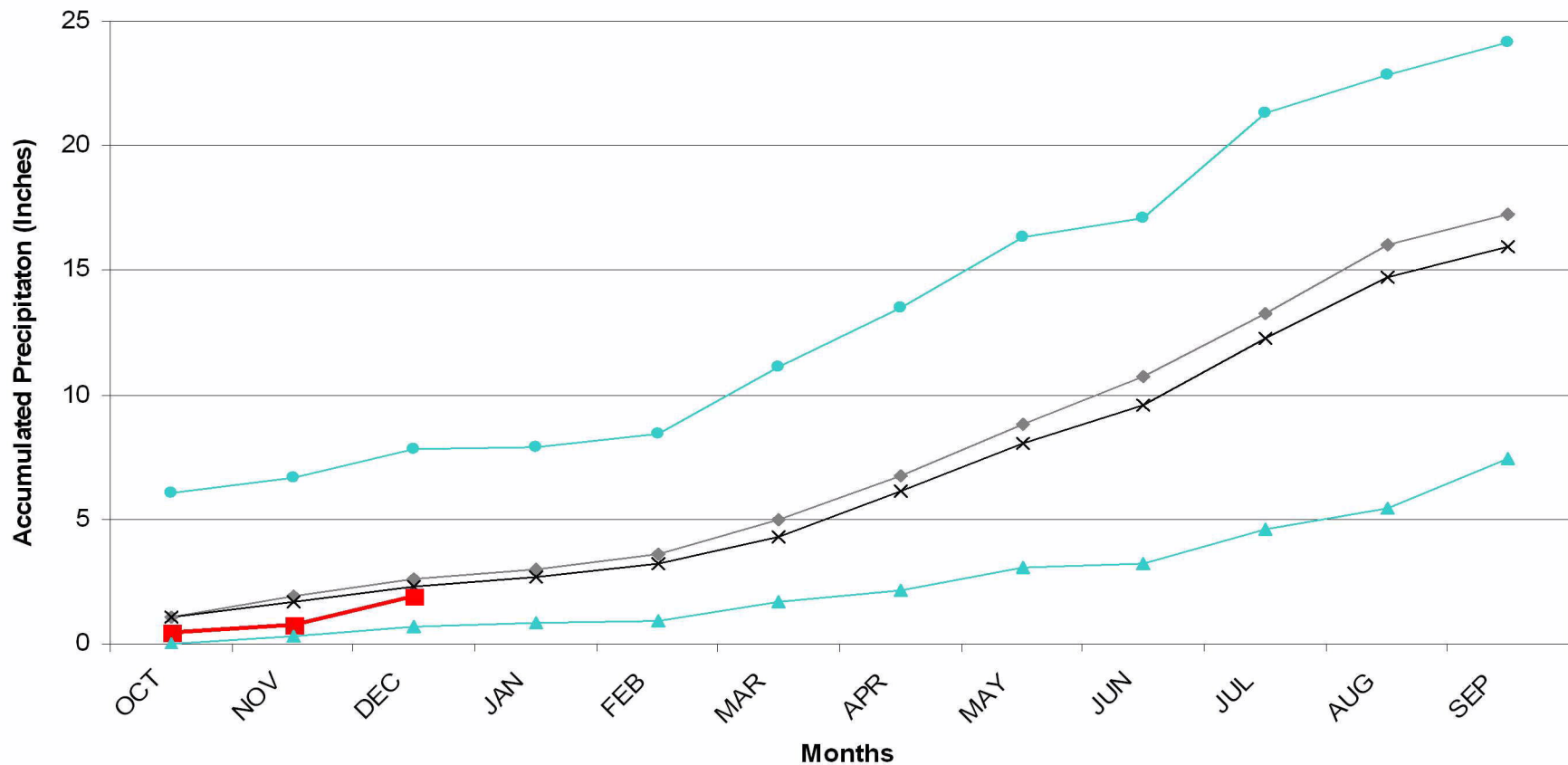
◆ 30 Year Averages-1971-2000    ✕ Period of Record Average - 1890 - 2002    ■ 2008 Water Year    \* MaxPrecip    ▲ Min P



# Division 8 – Cheesman

## Cheesman 2008 Water Year

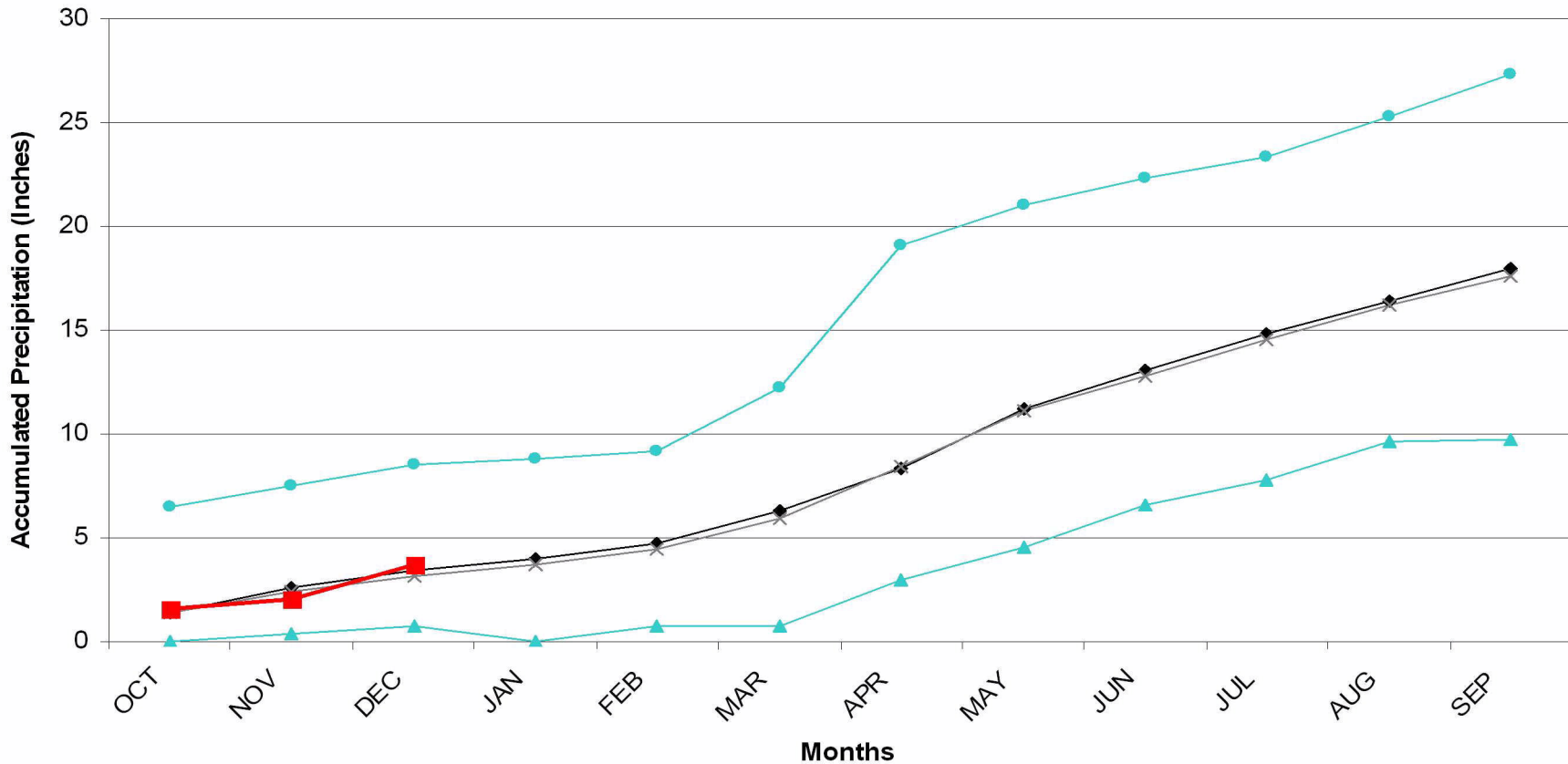
◆ 30 Year Averages-1971-2000    ✕ Period of Record Average - 1904 - 2002    ■ 2008 Water Year    ● Max Precip    ▲ Min



# Division 8 – Kassler

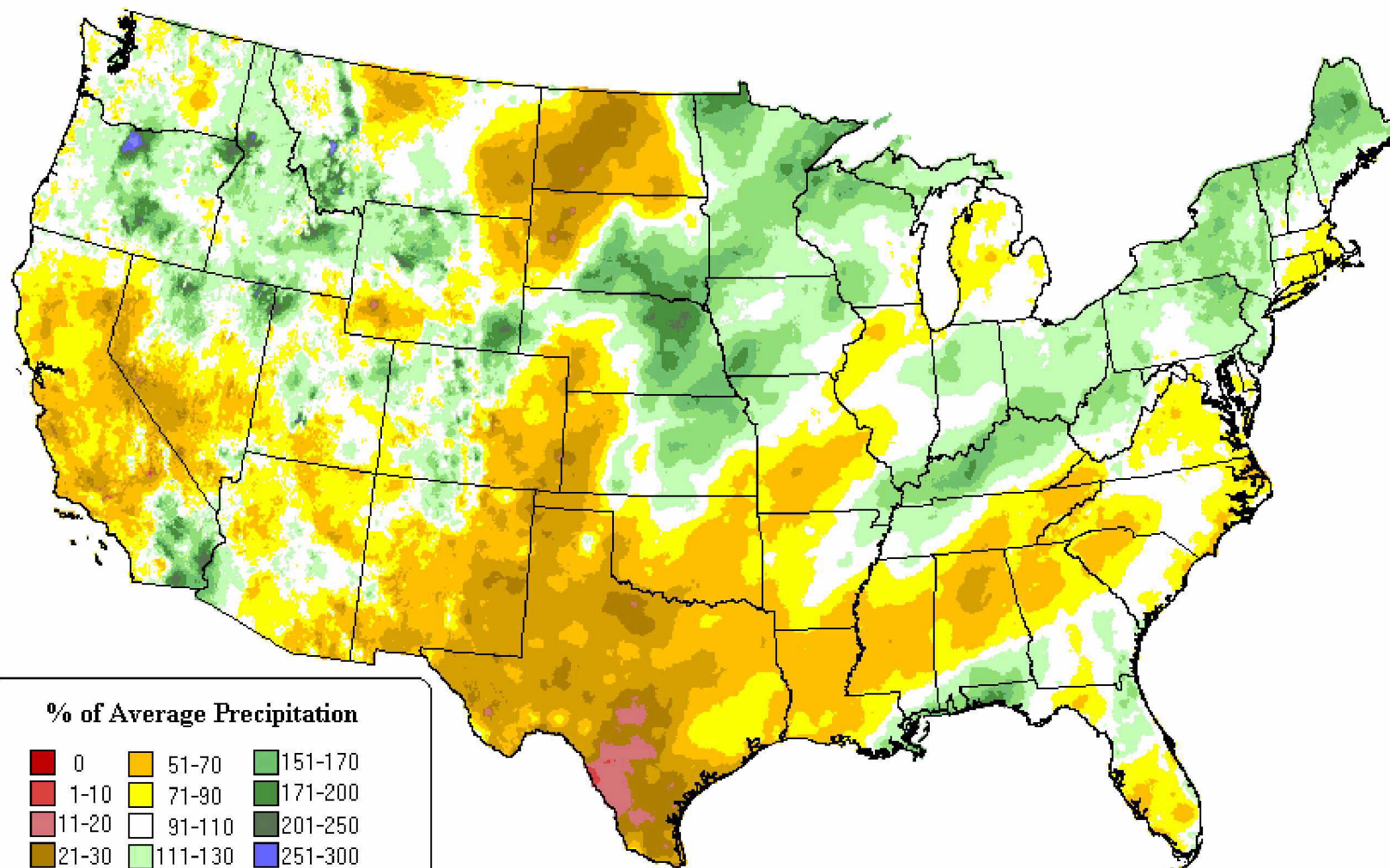
## Kassler 2008 Water Year

◆ 30 Year Averages-1971-2000      ✕ Period of Record Average - 1899 - 2002      ■ 2008 Water Year Accumulated  
● Max Precip      ▲ Min Precip



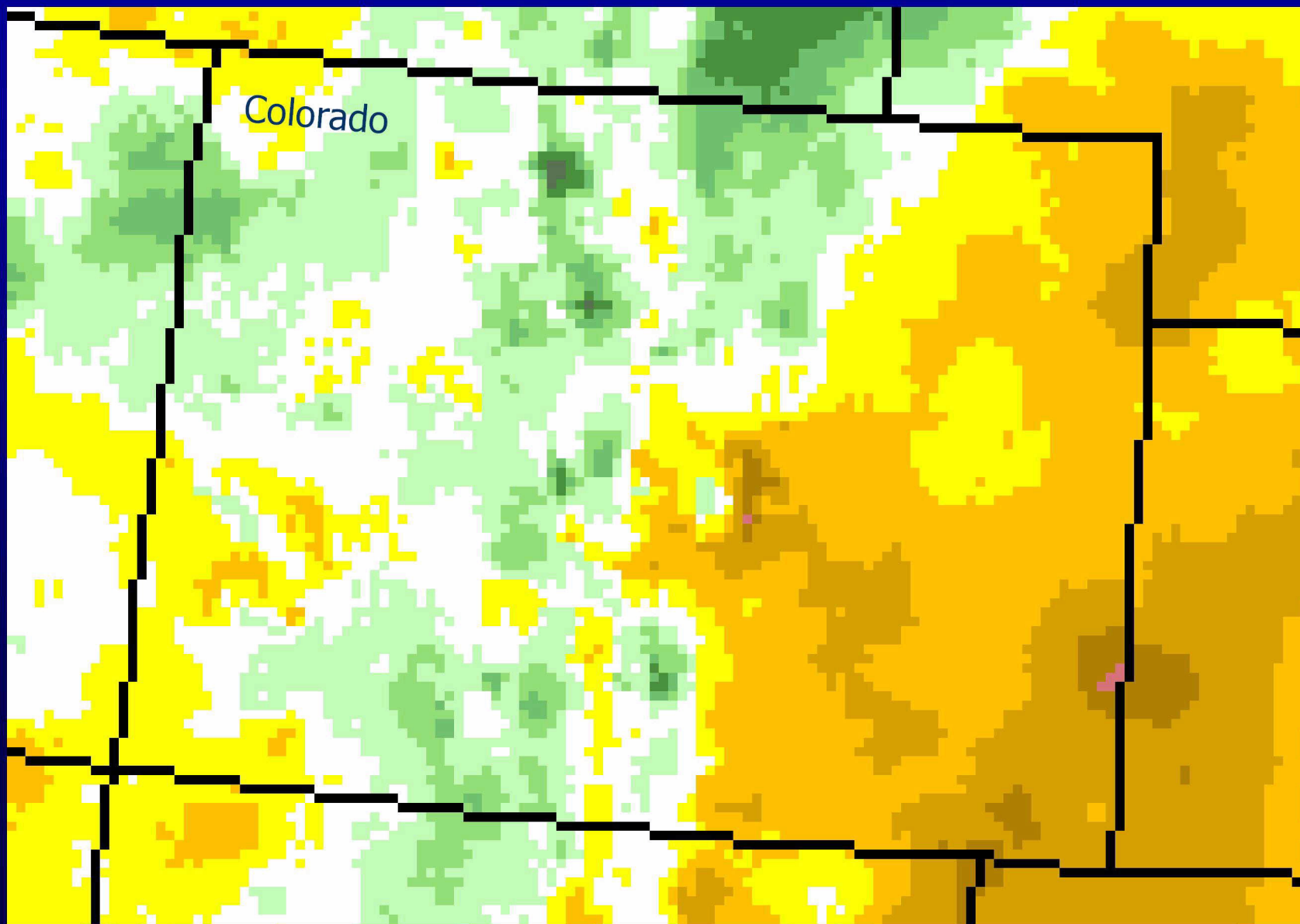
# Water Year 2008 (Oct-Dec 07) Prism

3-month Percent of Average Precipitation: Dec 2007  
Provisional Data



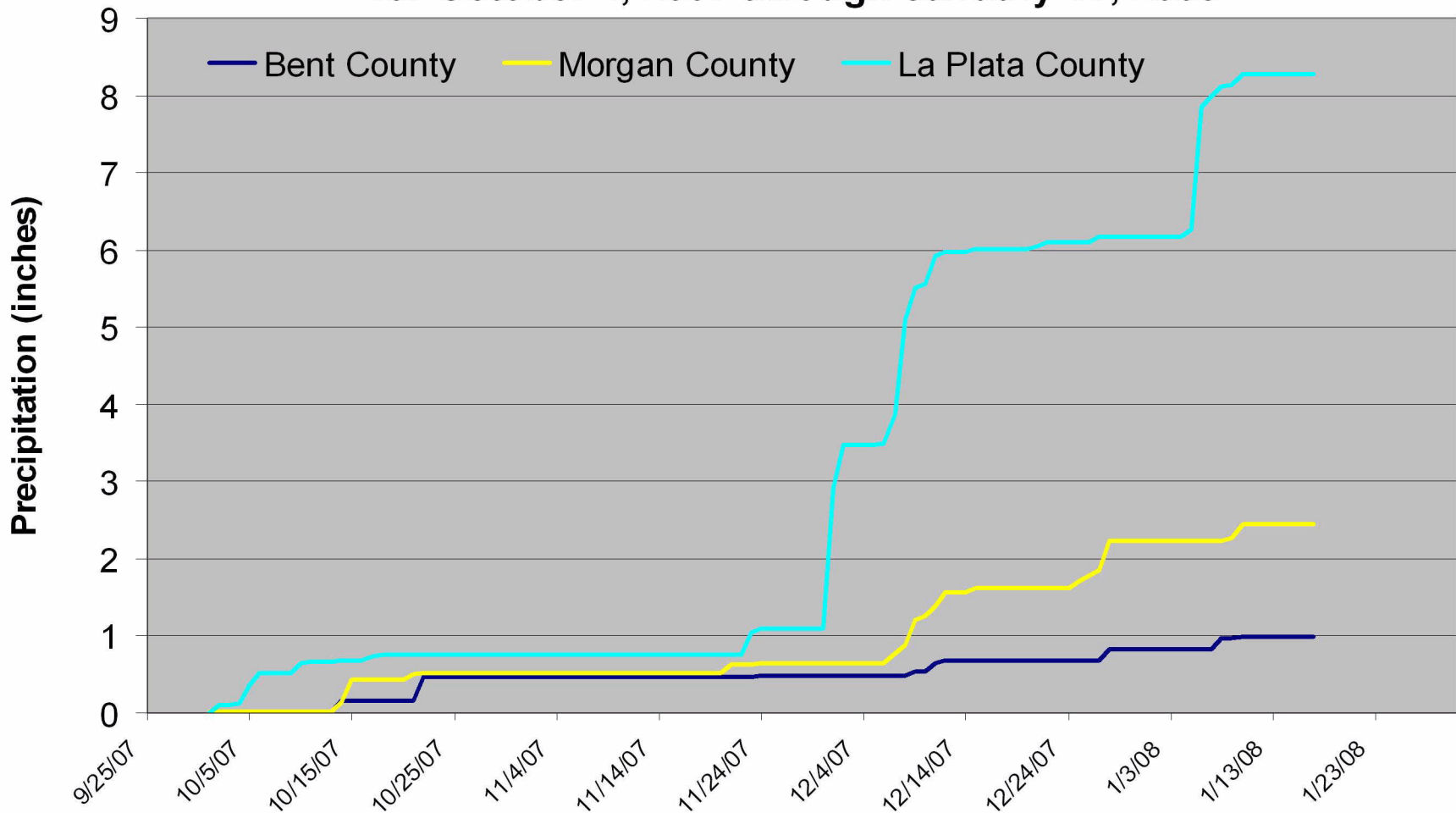
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<http://www.prismclimate.org> - Map created Jan 11 2008

# Water Year 2008 (Oct-Dec 07) Prism



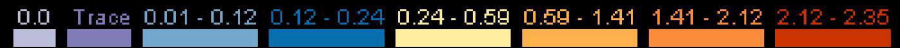
# CoCoRaHS Accumulated Precipitation for Selected Counties

## CoCoRaHS Accumulated Precipitation by County for October 1, 2007 through January 17, 2008

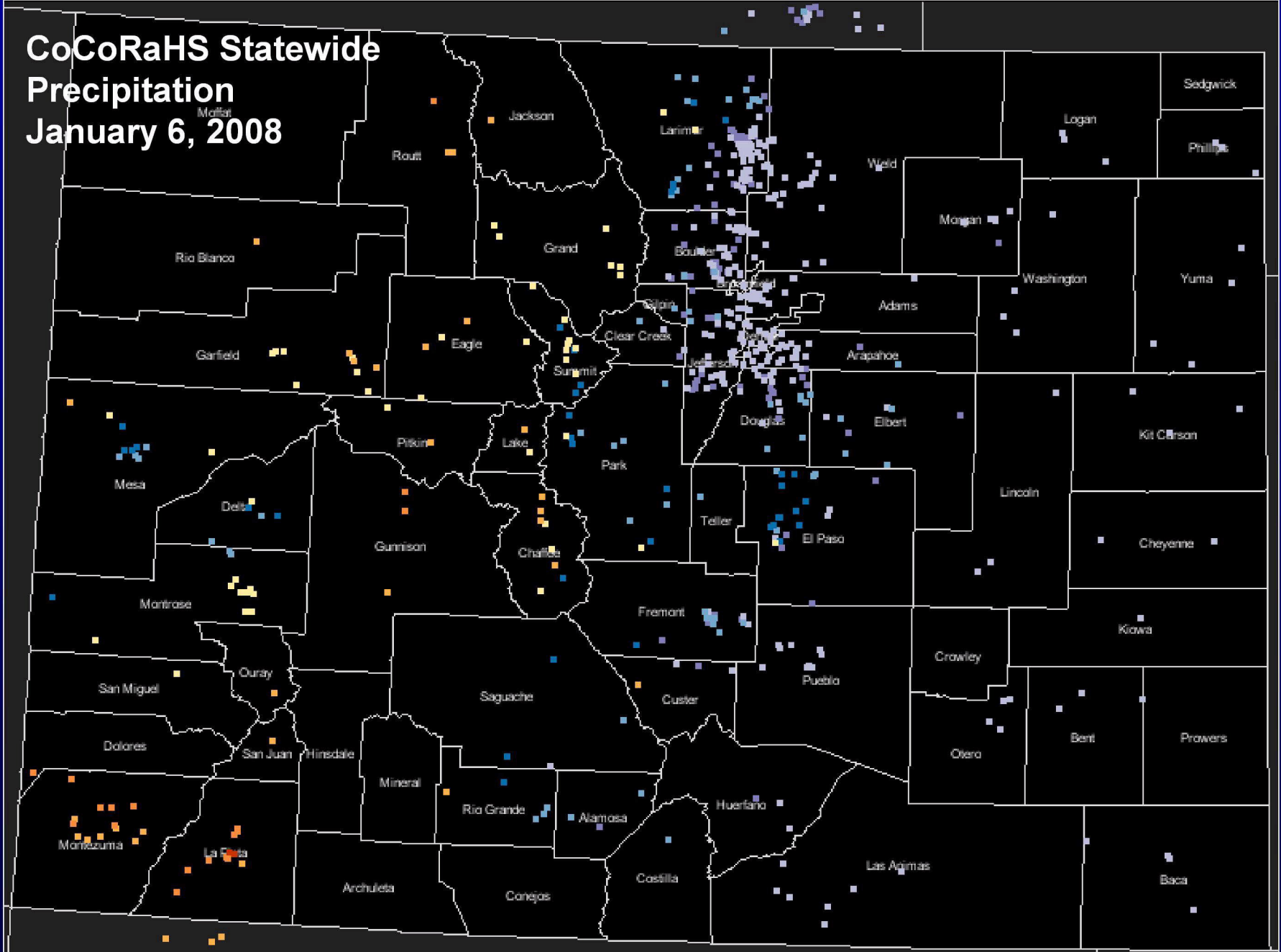


Daily Precipitation (inches x.xx), for the 24 hour period ending ~7:00 am

Colorado 1/6/2008



# CoCoRaHS Statewide Precipitation January 6, 2008



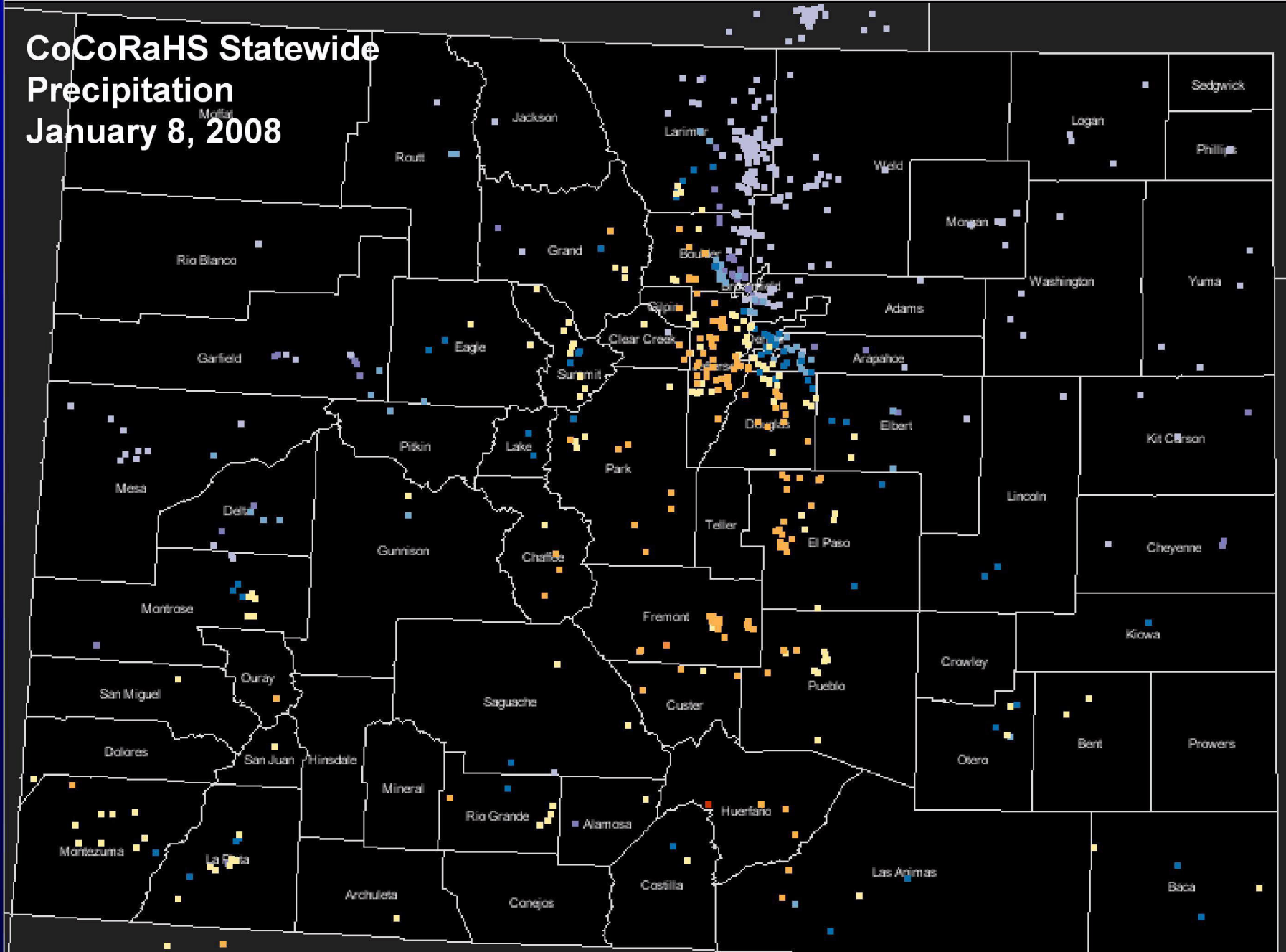


Daily Precipitation (inches x.xx), for the 24 hour period ending ~7:00 am

Colorado 1/8/2008



# CoCoRaHS Statewide Precipitation January 8, 2008

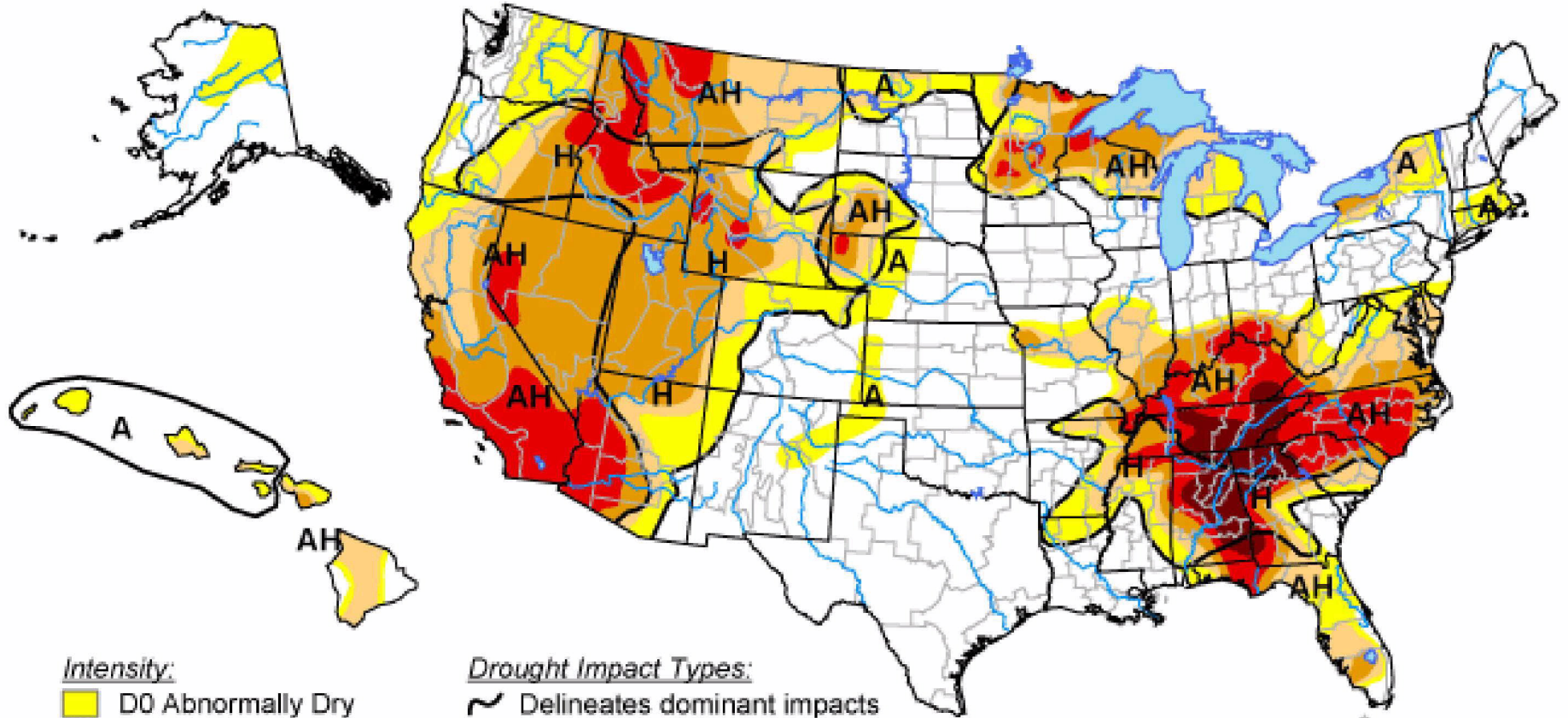









# U.S. Drought Monitor

September 18, 2007


Valid 8 a.m. EDT



Intensity:

-  D0 Abnormally Dry
-  D1 Drought - Moderate
-  D2 Drought - Severe
-  D3 Drought - Extreme
-  D4 Drought - Exceptional

Drought Impact Types:

-  Delineates dominant impacts
- A = Agricultural (crops, pastures, grasslands)
- H = Hydrological (water)

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

<http://drought.unl.edu/dm>



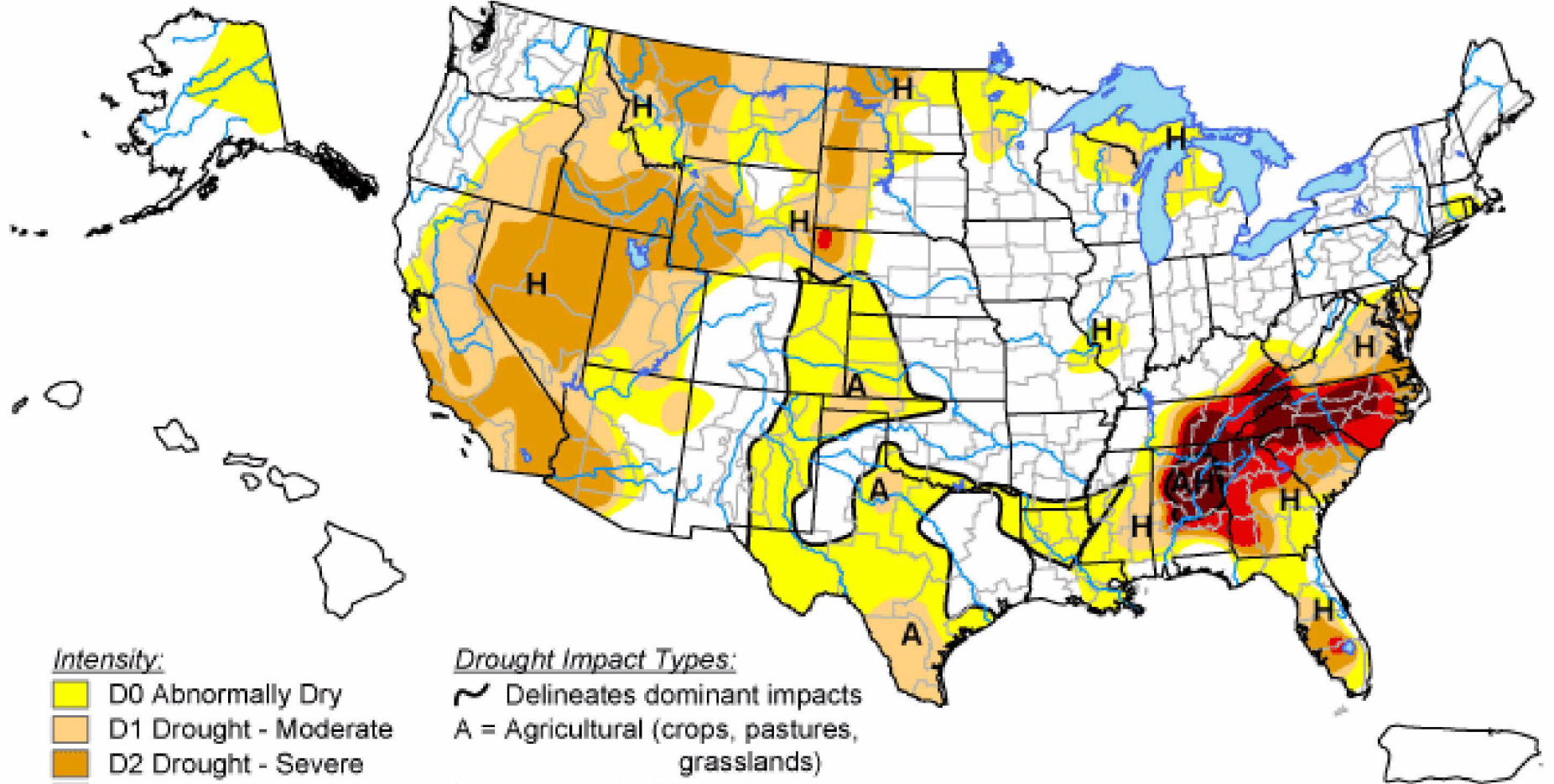
Released Thursday, September 20, 2007

Author: David Miskus, JAWF/CPC/NOAA






# U.S. Drought Monitor

January 8, 2008


Valid 7 a.m. EST



Intensity:

-  D0 Abnormally Dry
-  D1 Drought - Moderate
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<http://drought.unl.edu/dm>



Released Thursday, January 10, 2008  
Author: Rich Tinker, Climate Prediction Center, NOAA

# Colorado Climate Center

**Data and Power Point Presentations  
available for downloading**

**<http://ccc.atmos.colostate.edu>**

- **click on “Drought”**
- **then click on “Presentations”**

