

Climate Update

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Colorado State University

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

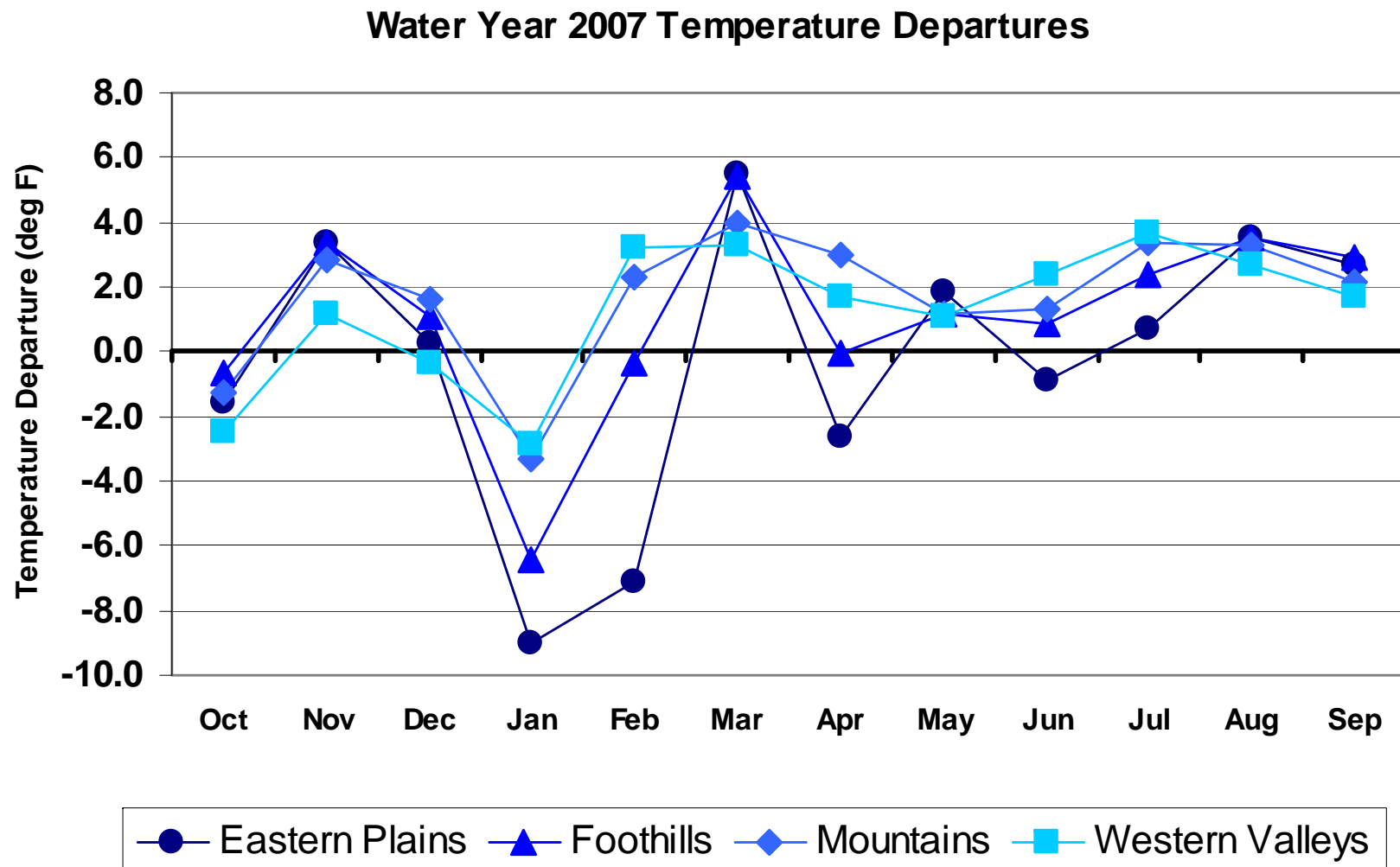
Presented to Water Availability
Task Force, Denver, CO, January 18, 2008

Prepared by Odie Bliss
Photo by Wendy Ryan



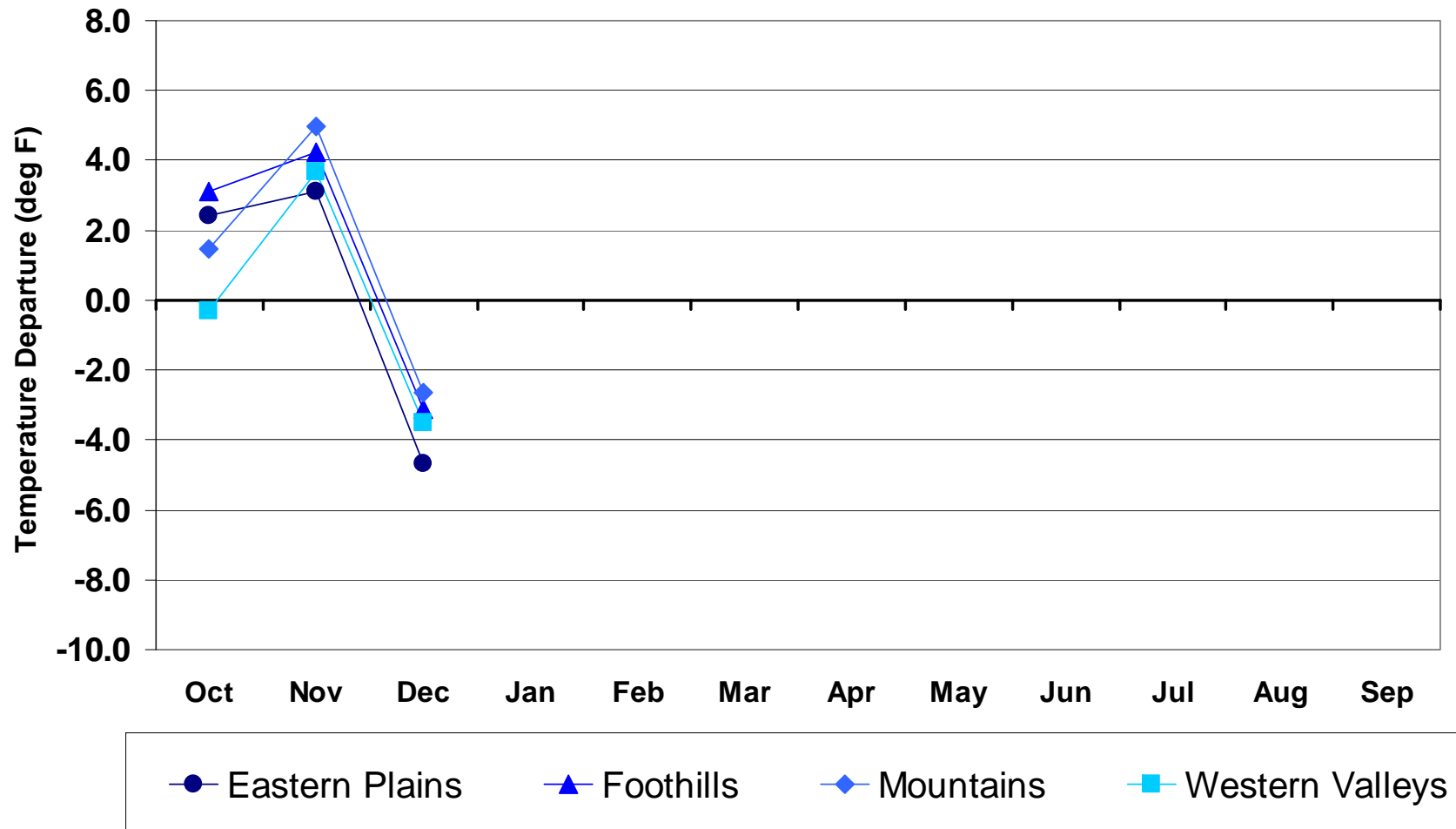
**Colorado
State
University**
Knowledge to Go Places

Water Year 2007 Temperature Departures

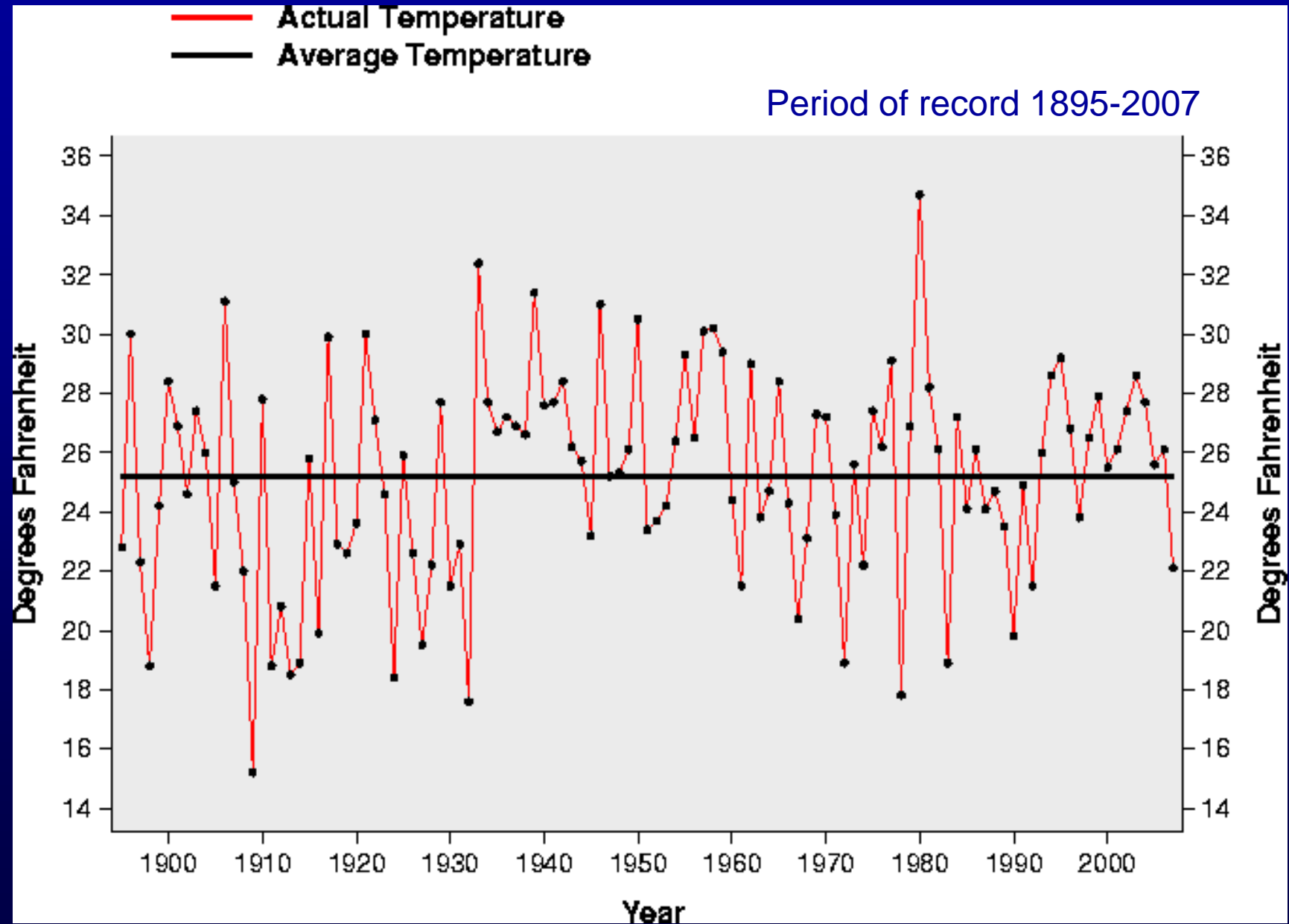


Water Year 2008 Temperature Departures

Water Year 2008 Temperature Departures

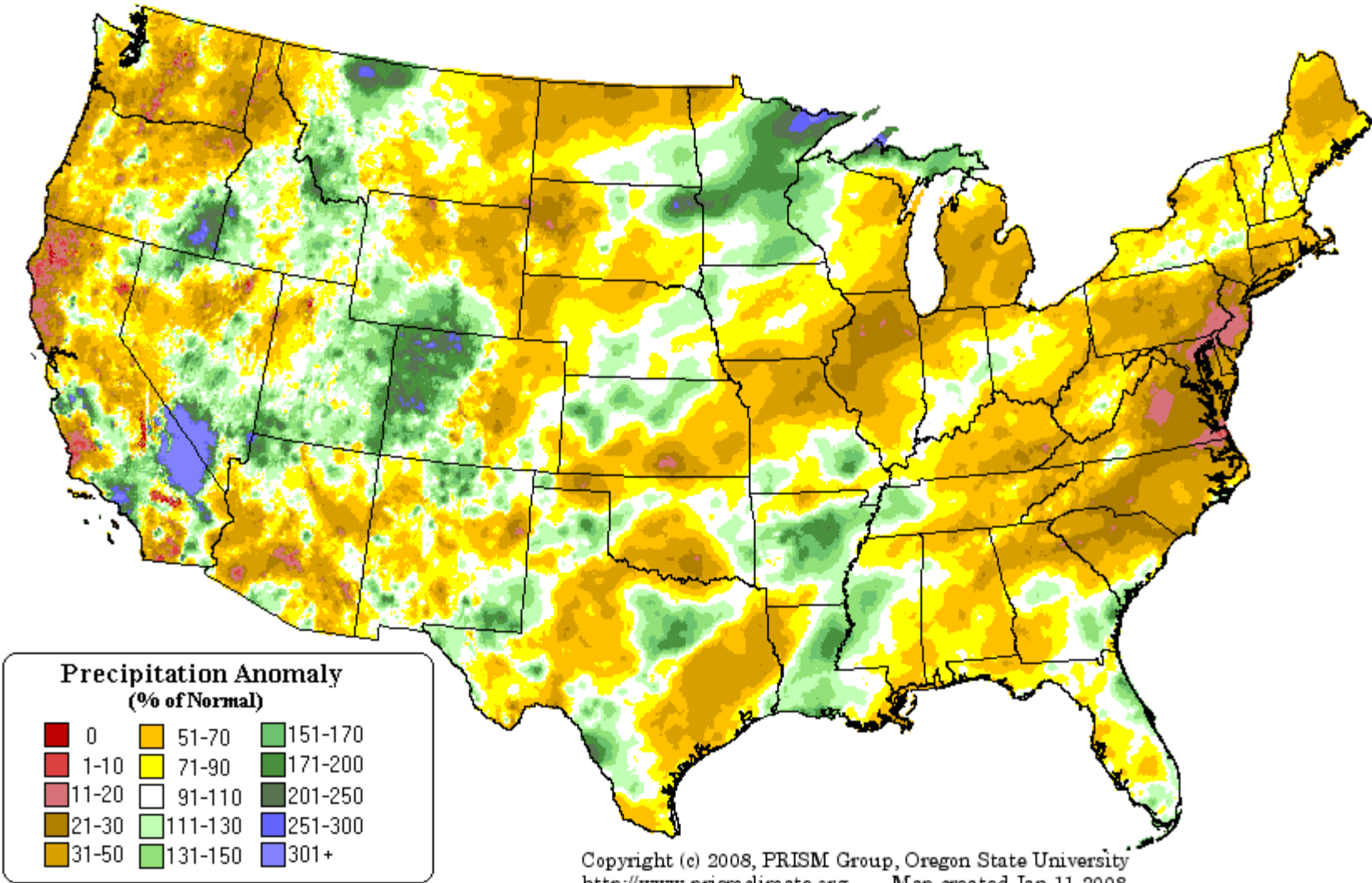


December Average Temperature History for Colorado (NCDC)



Sept 2007 Percent of Average (Prism)

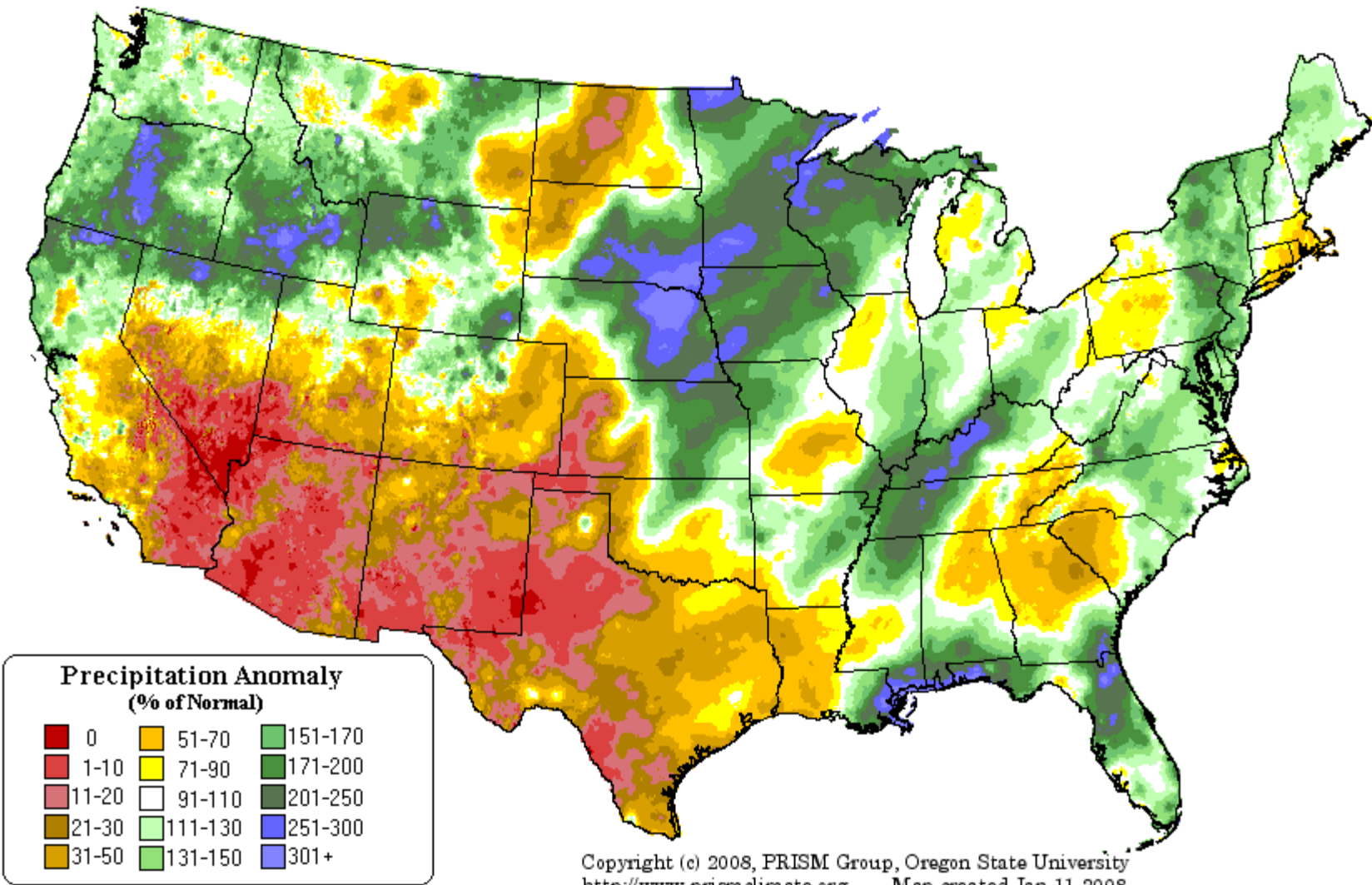
Precipitation Anomaly: Sep 2007
Preliminary Data



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

Oct 2007 Percent of Average (Prism)

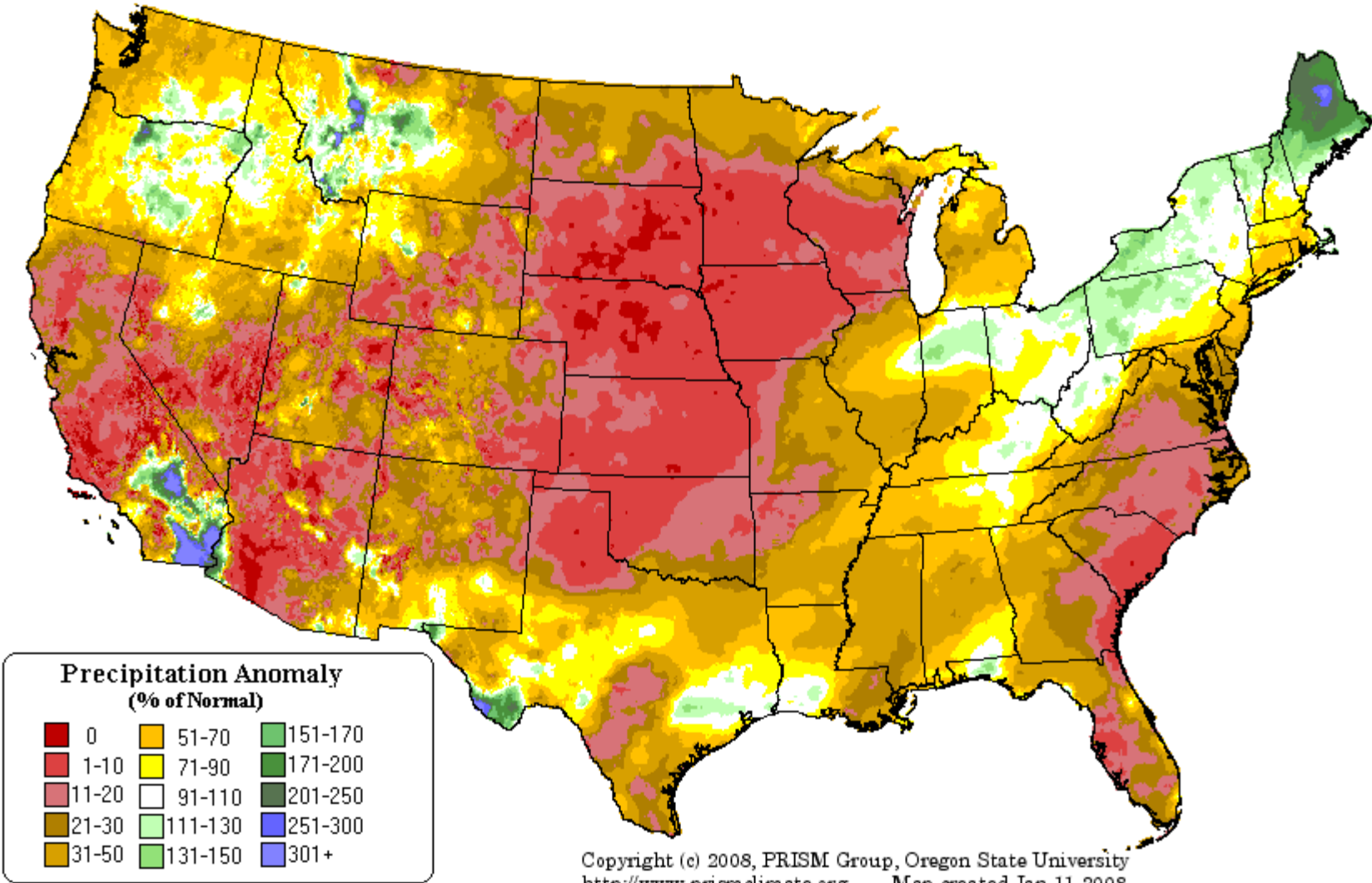
Precipitation Anomaly: Oct 2007
Provisional Data



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

Nov 2007 Percent of Average (Prism)

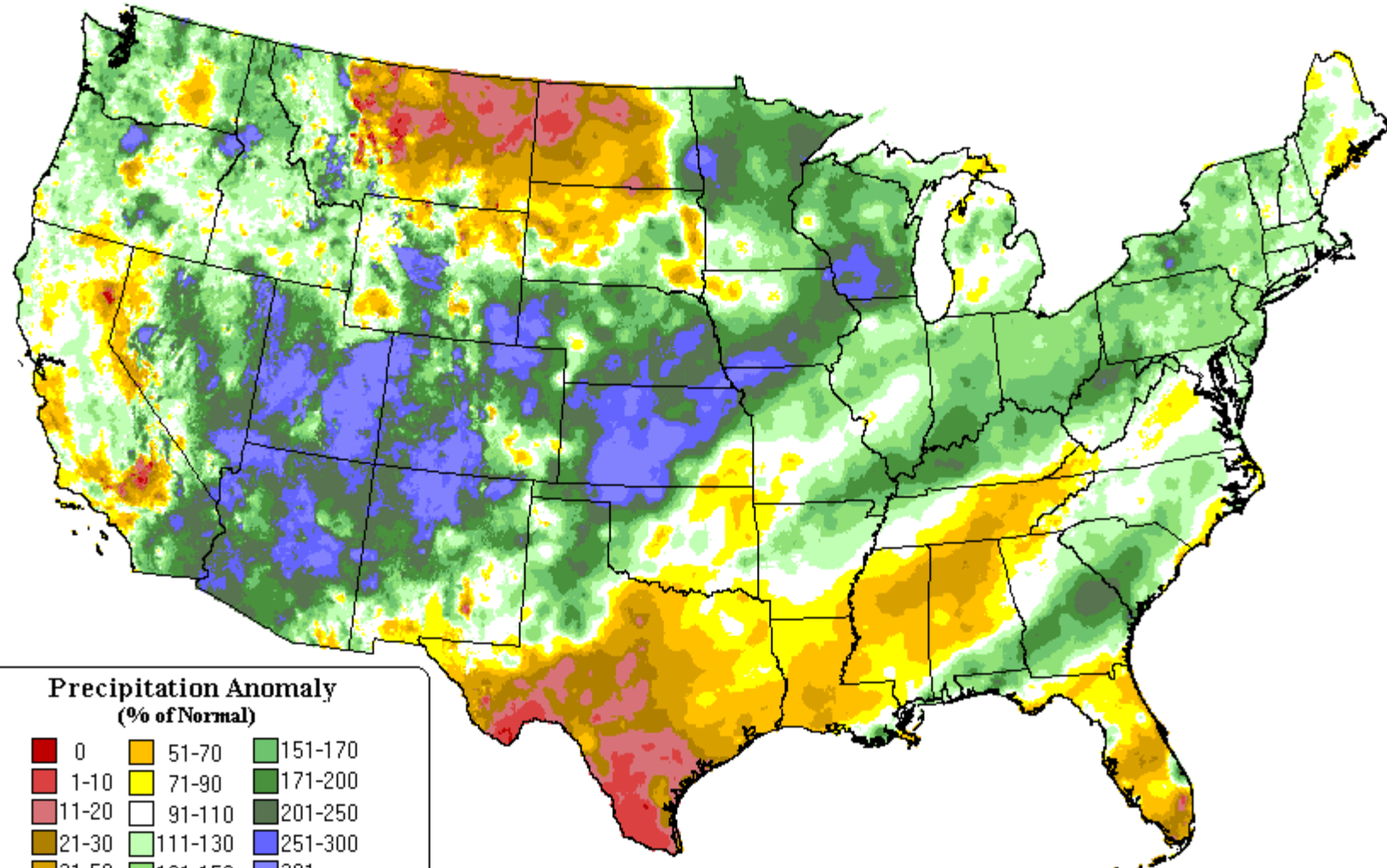
Precipitation Anomaly: Nov 2007
Provisional Data



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

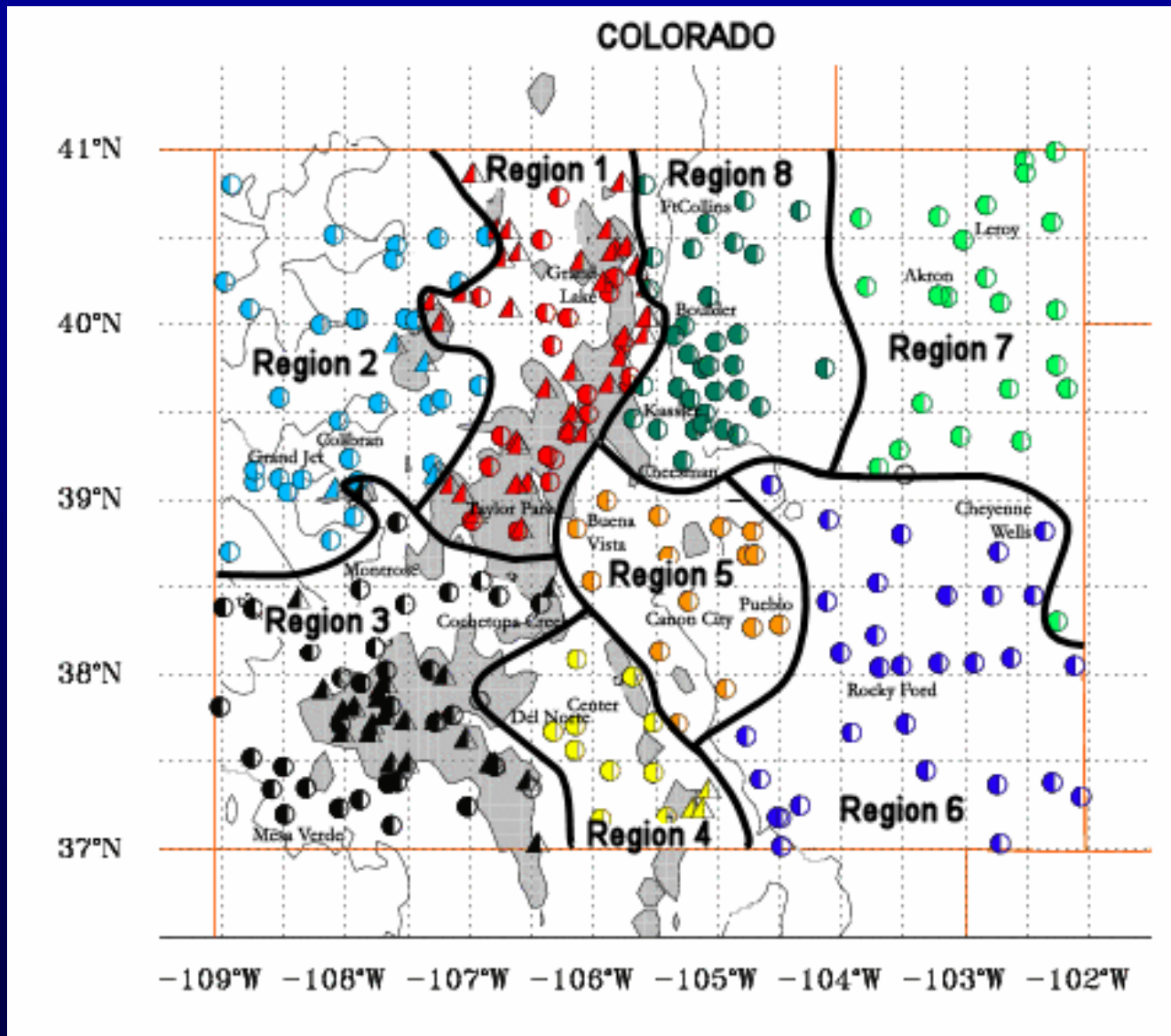
Dec 2007 Percent of Average (Prism)

Precipitation Anomaly: Dec 2007
Provisional Data



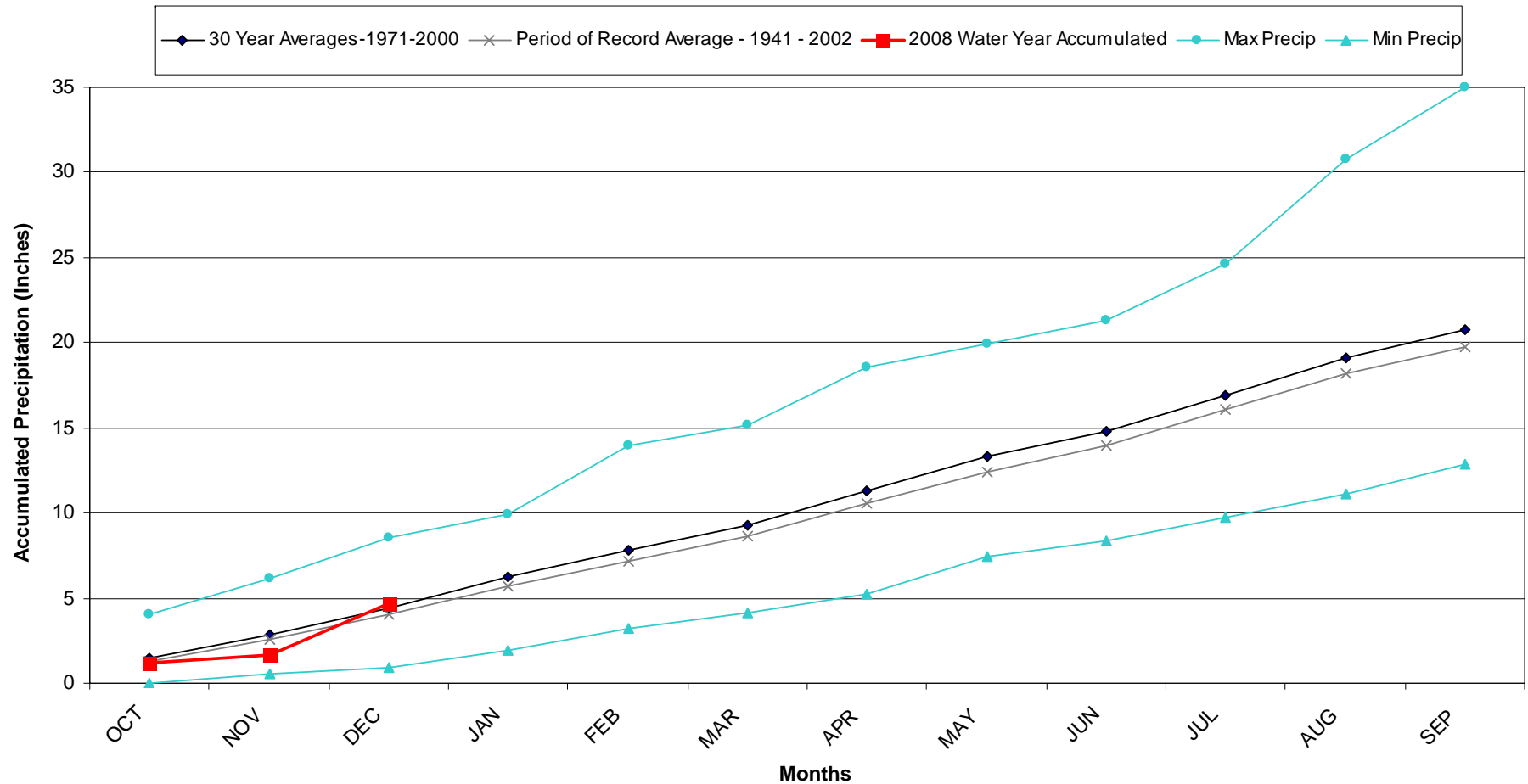
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<http://www.prismclimate.org> - Map created Jan 11 2008

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



Division 1 – Grand Lake 1NW

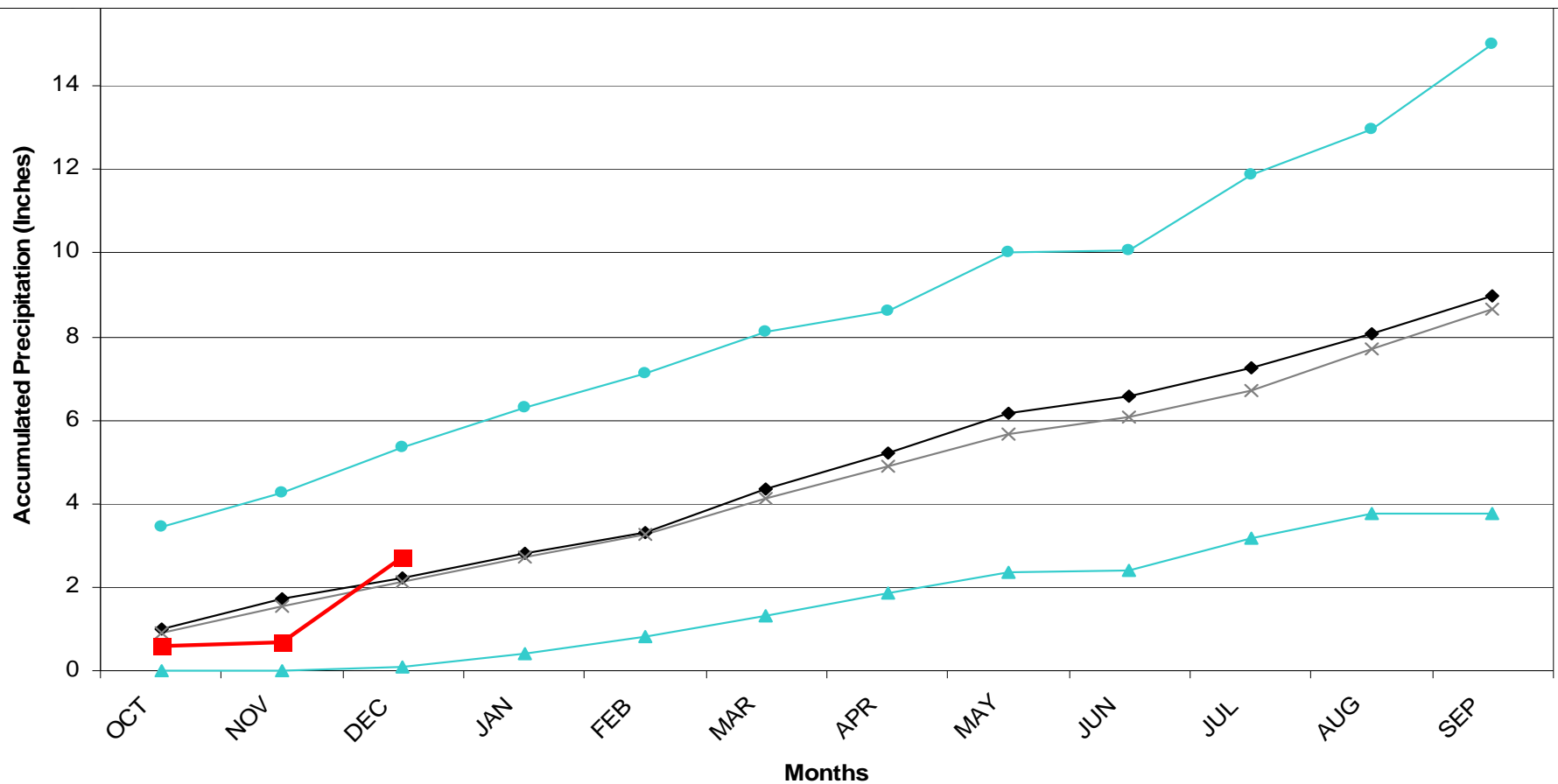
Grand Lake 1 NW 2008 Water Year



Division 2 – Grand Junction

Grand Junction WSFO 2008 Water Year

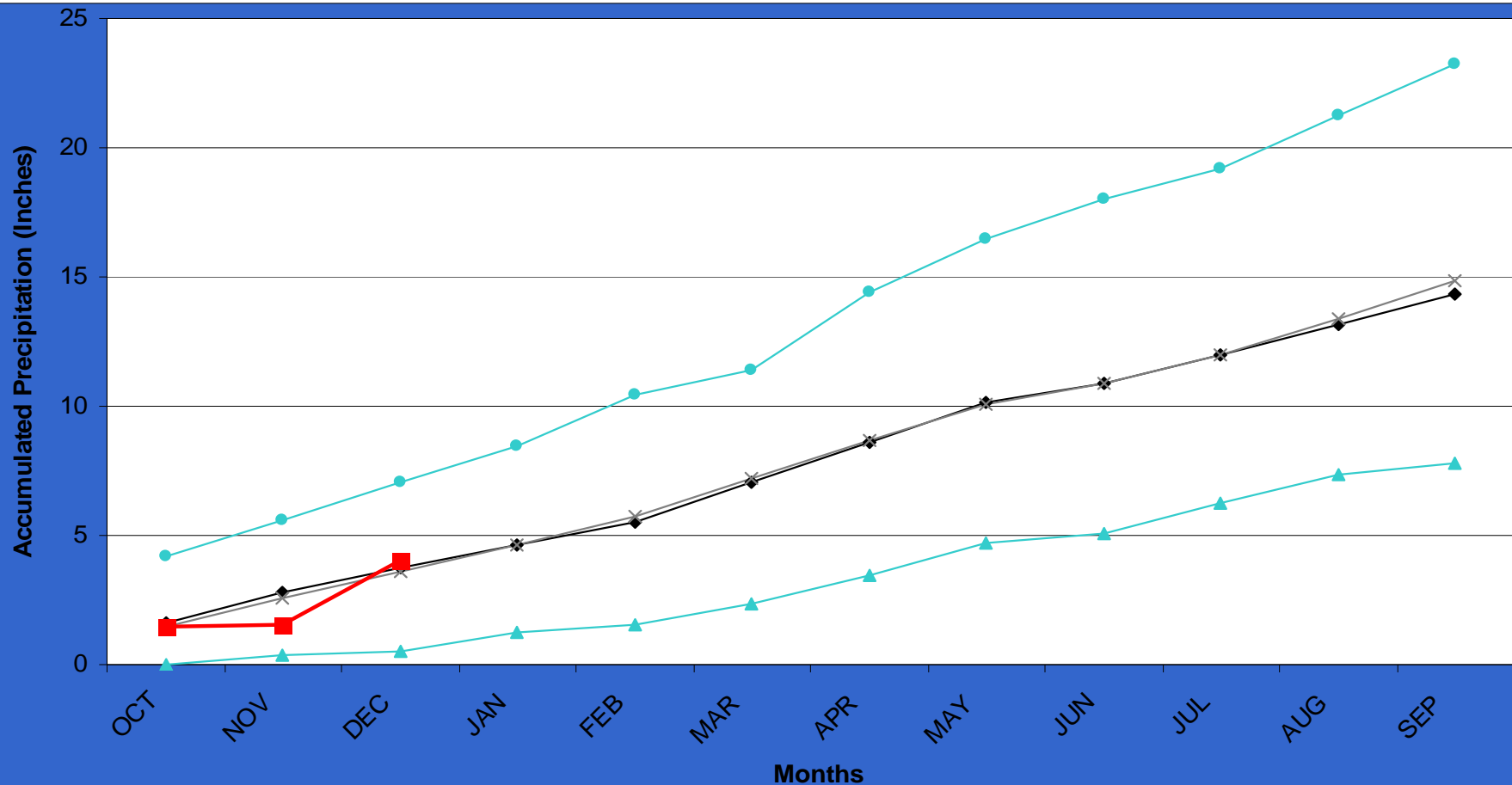
◆ 30 Year Averages-1971-2000 ✕ Period of Record Average - 1893- 2002 ■ 2008 Water Year Accumulated
● Max Precip ▲ Min Precip



Division 2 – Collbran

Collbran 2SW 2008 Water Year

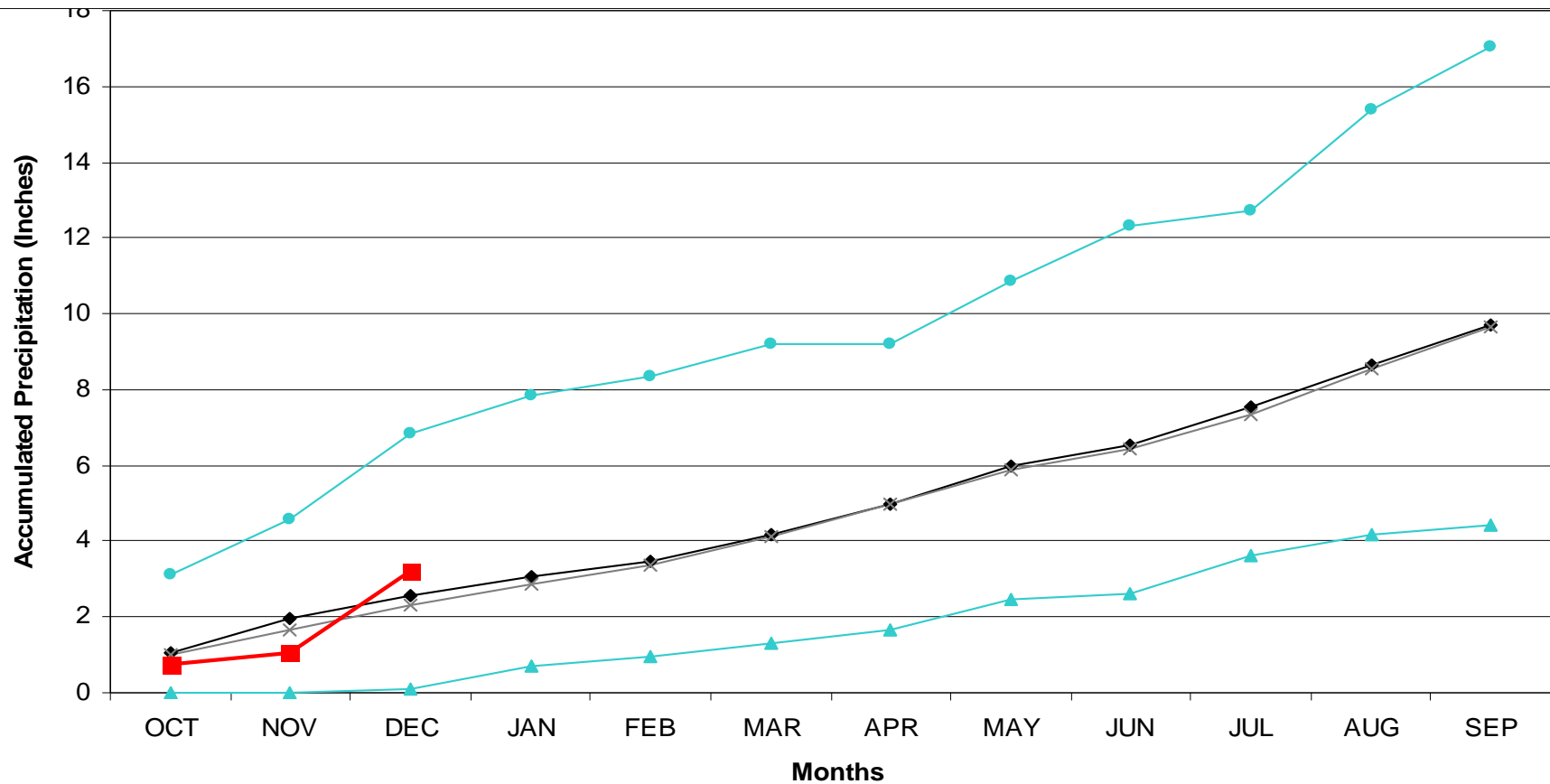
◆ 30 Year Averages-1971-2000 ✕ Period of Record Average - 1893 - 2002 ■ 2008 Water Year Accumulated
● Max Precip ▲ min precip



Division 3 – Montrose

Montrose #2 2008 Water Year

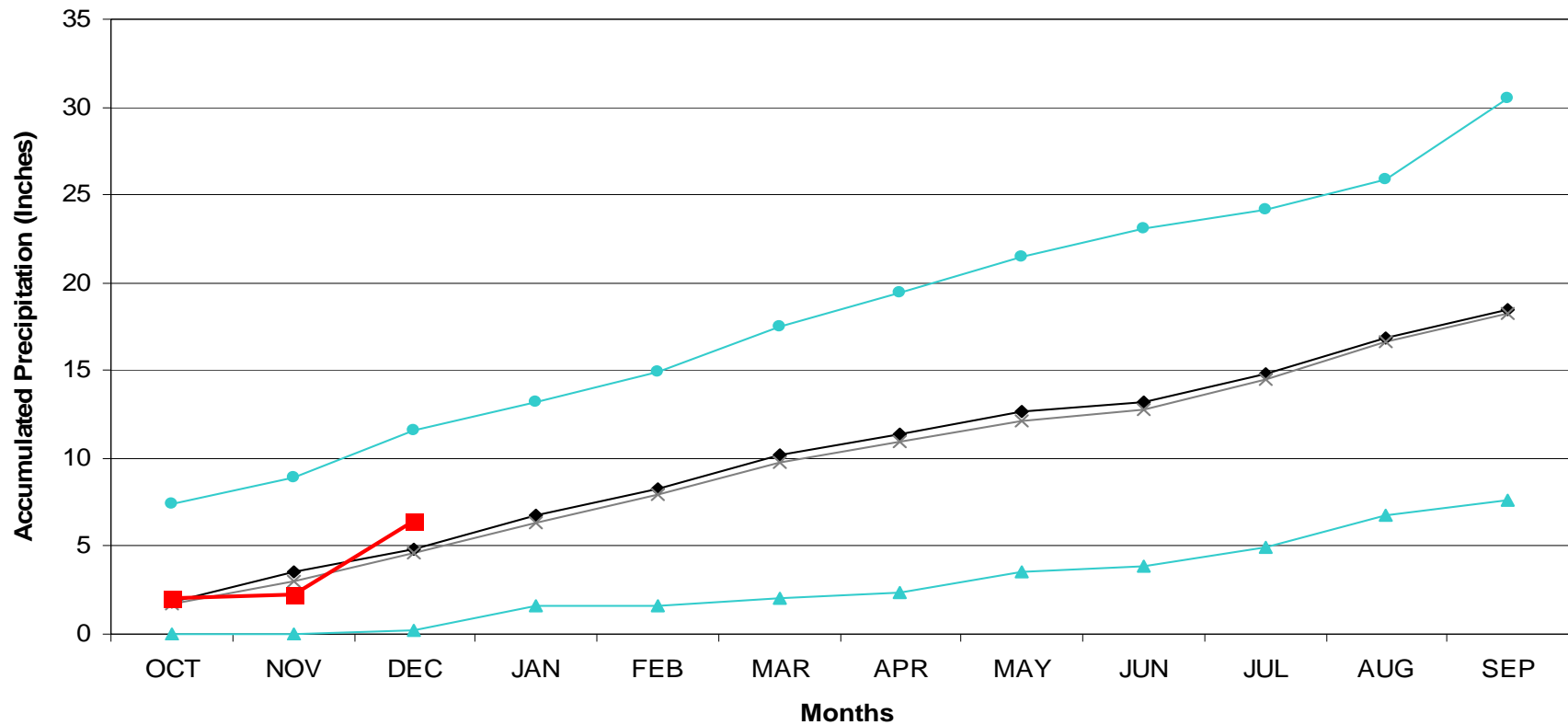
◆ 30 Year Averages-1971-2000 ✕ Period of Record Average - 1893- 2002 ■ 2008 Water Year Accumulated ● Max Precip ▲ Mir



Division 3 – Mesa Verde

Mesa Verde NP 2008 Water Year

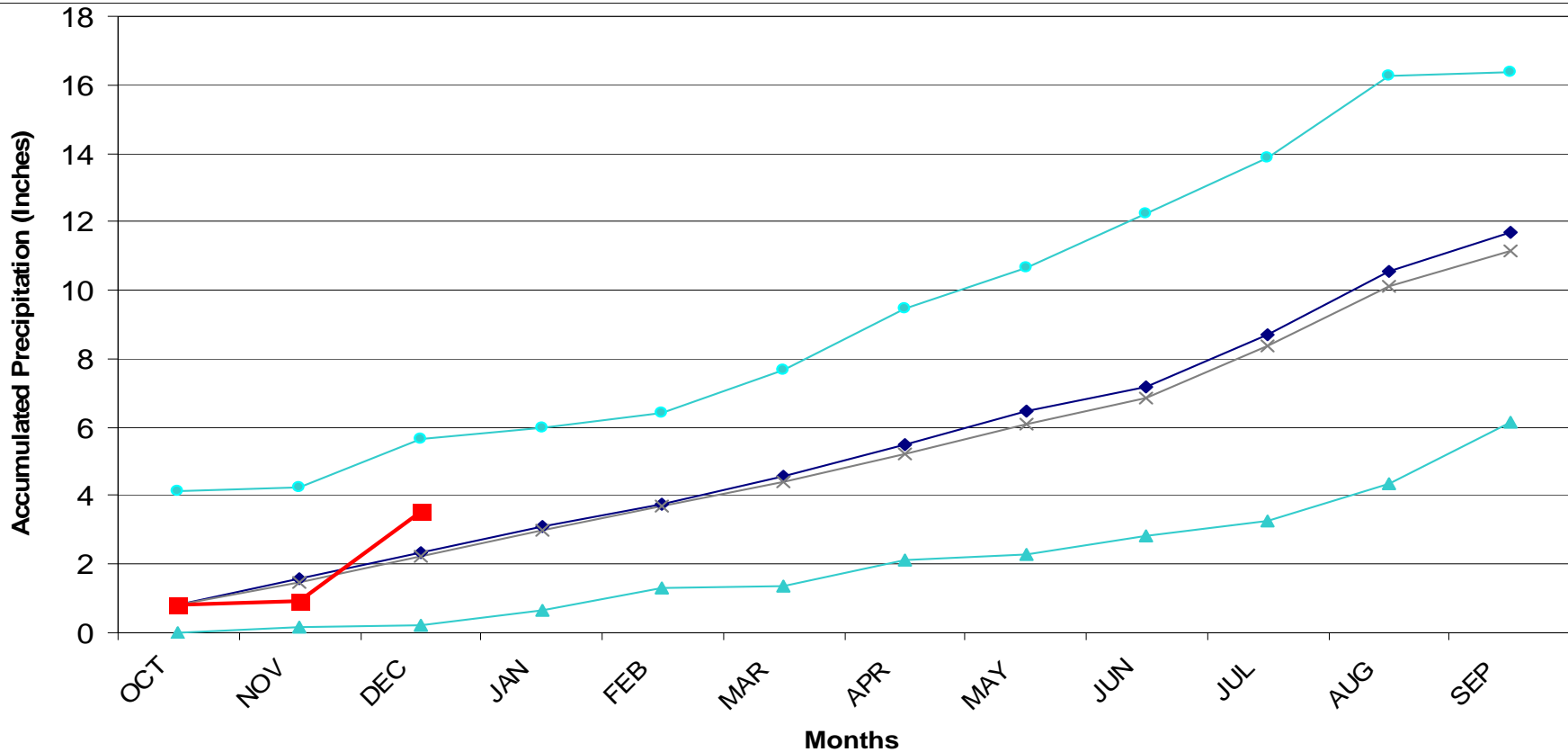
◆ 30 Year Averages-1971-2000 ✕ Period of Record Average - 1893- 2002 ■ 2008 Water Year Accumulated ● Max Precip ▲ Min



Division 3 – Cochetopa Creek

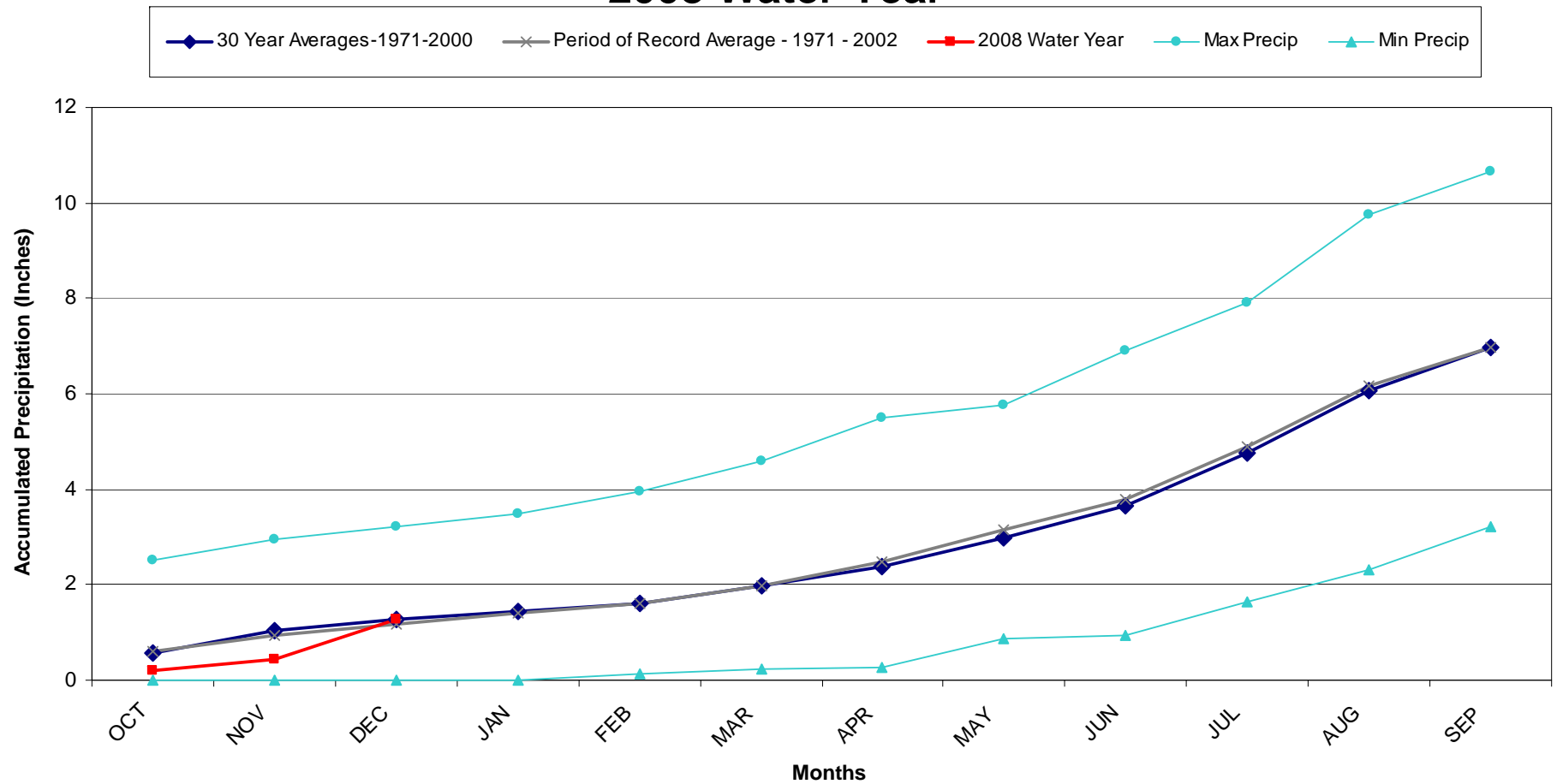
Cochetopa Creek 2008 Water Year

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



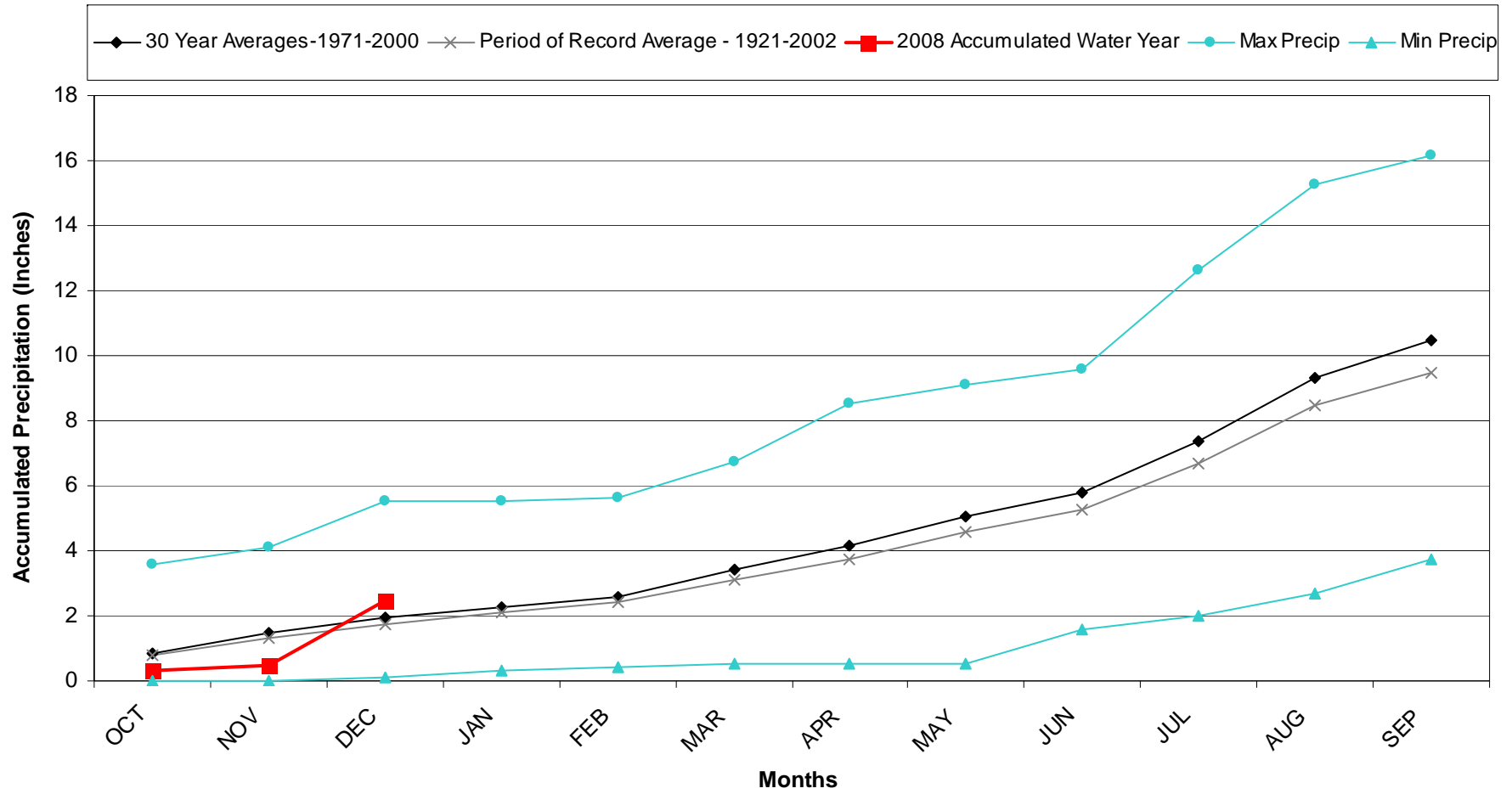
Division 4 – Center

Center 4SSW 2008 Water Year



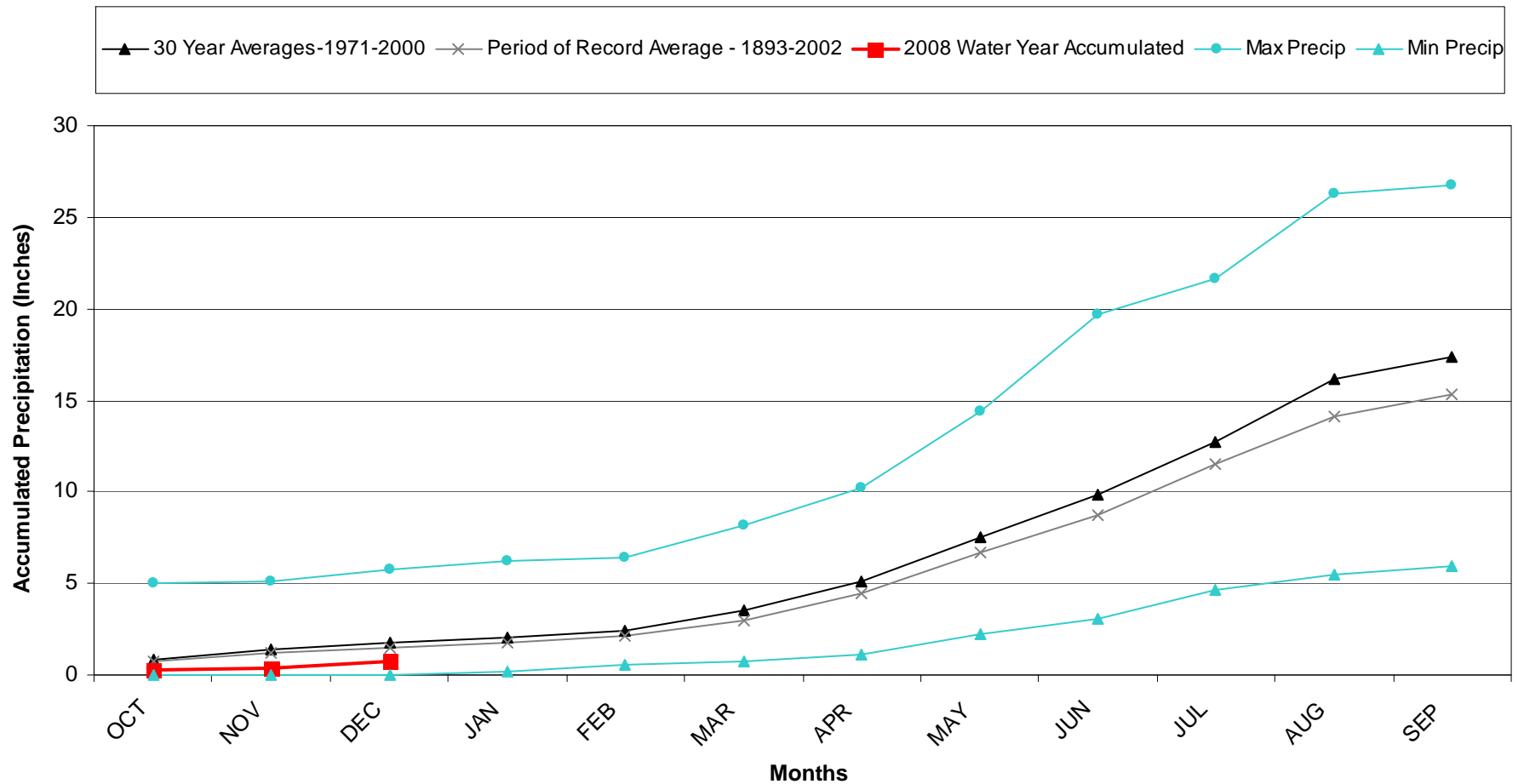
Division 4 – Del Norte

Del Norte 2008 Water Year



Division 5 – Colorado Springs

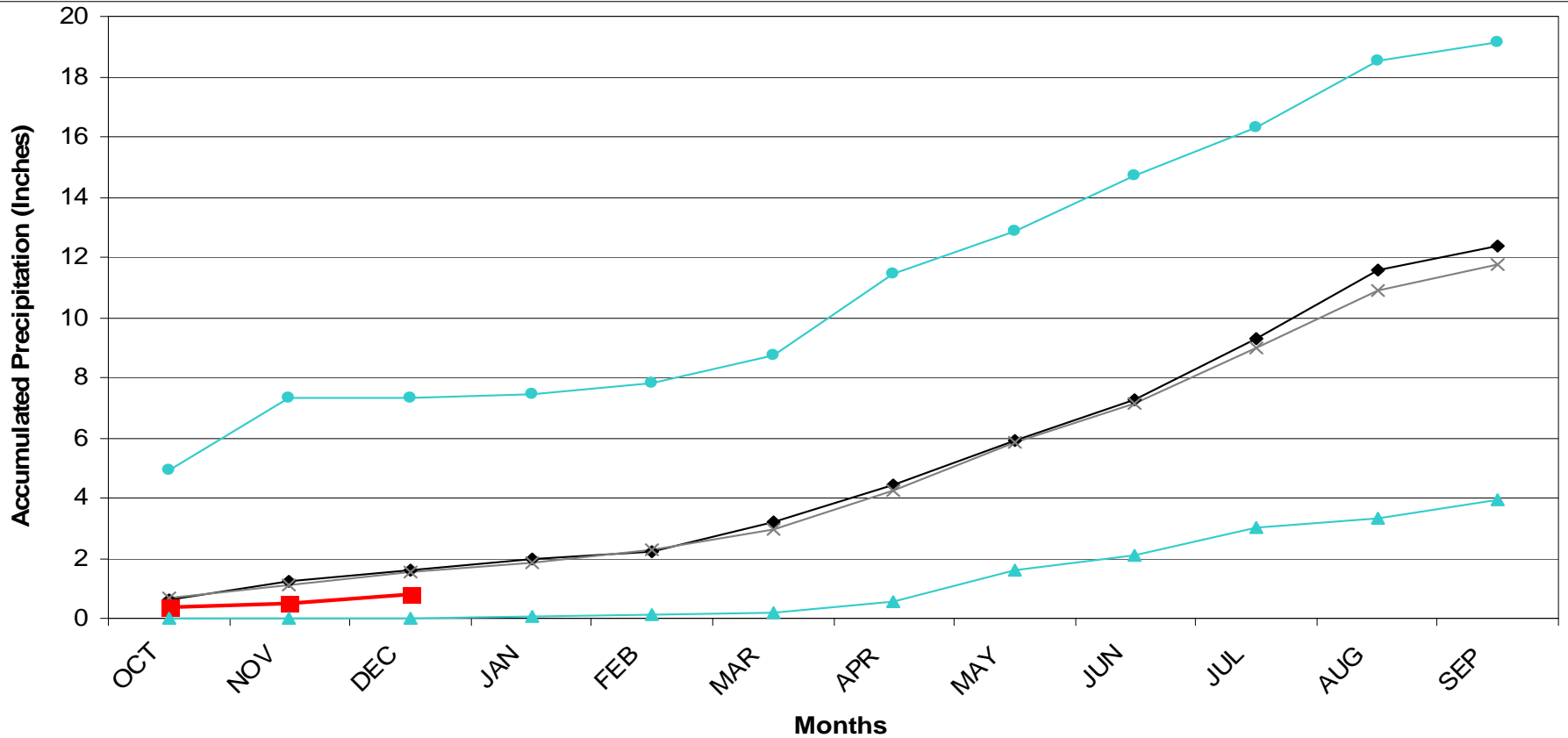
Colorado Springs 2008 Water Year



Division 5 – Pueblo

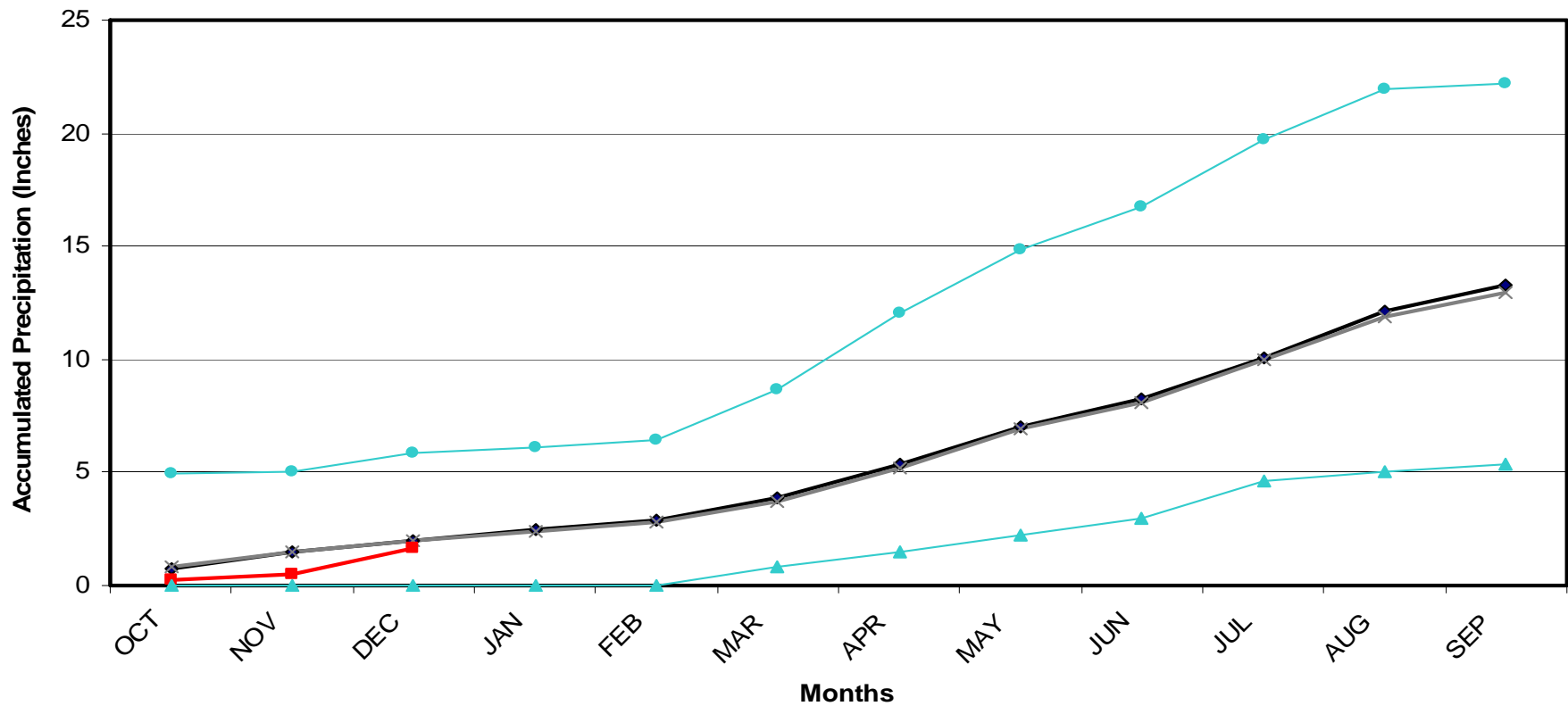
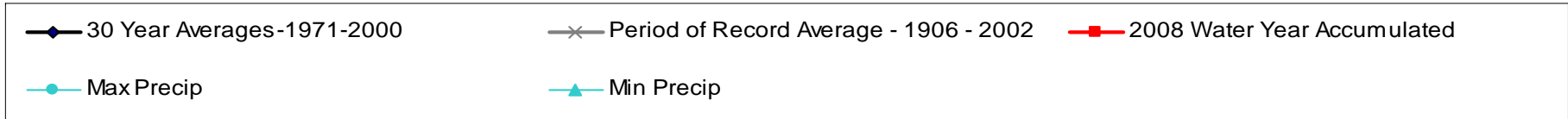
Pueblo WSO 2008 Water Year

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



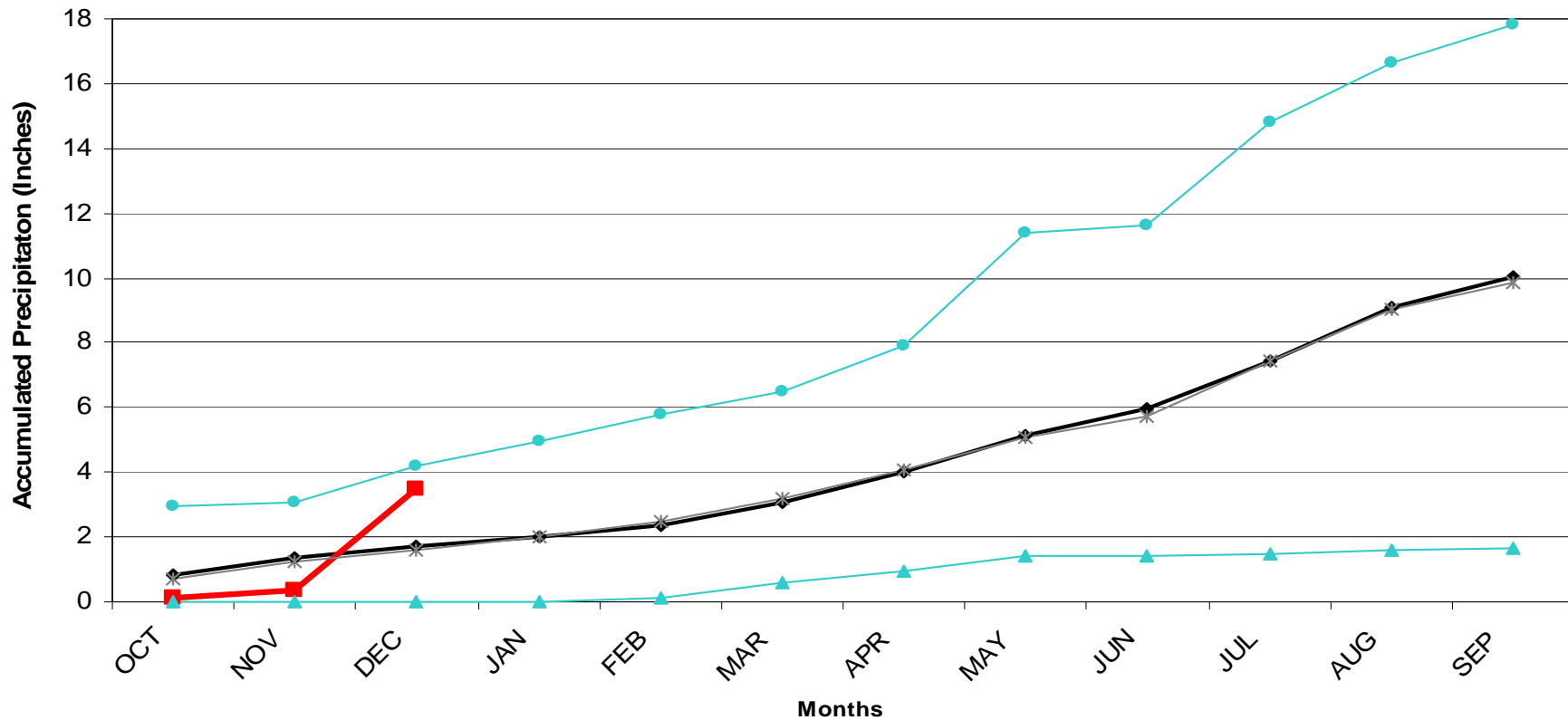
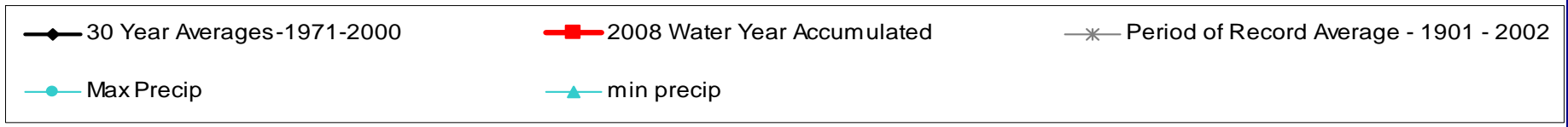
Division 5 – Canon City

Canon City 2008 Water Year



Division 5 – Buena Vista

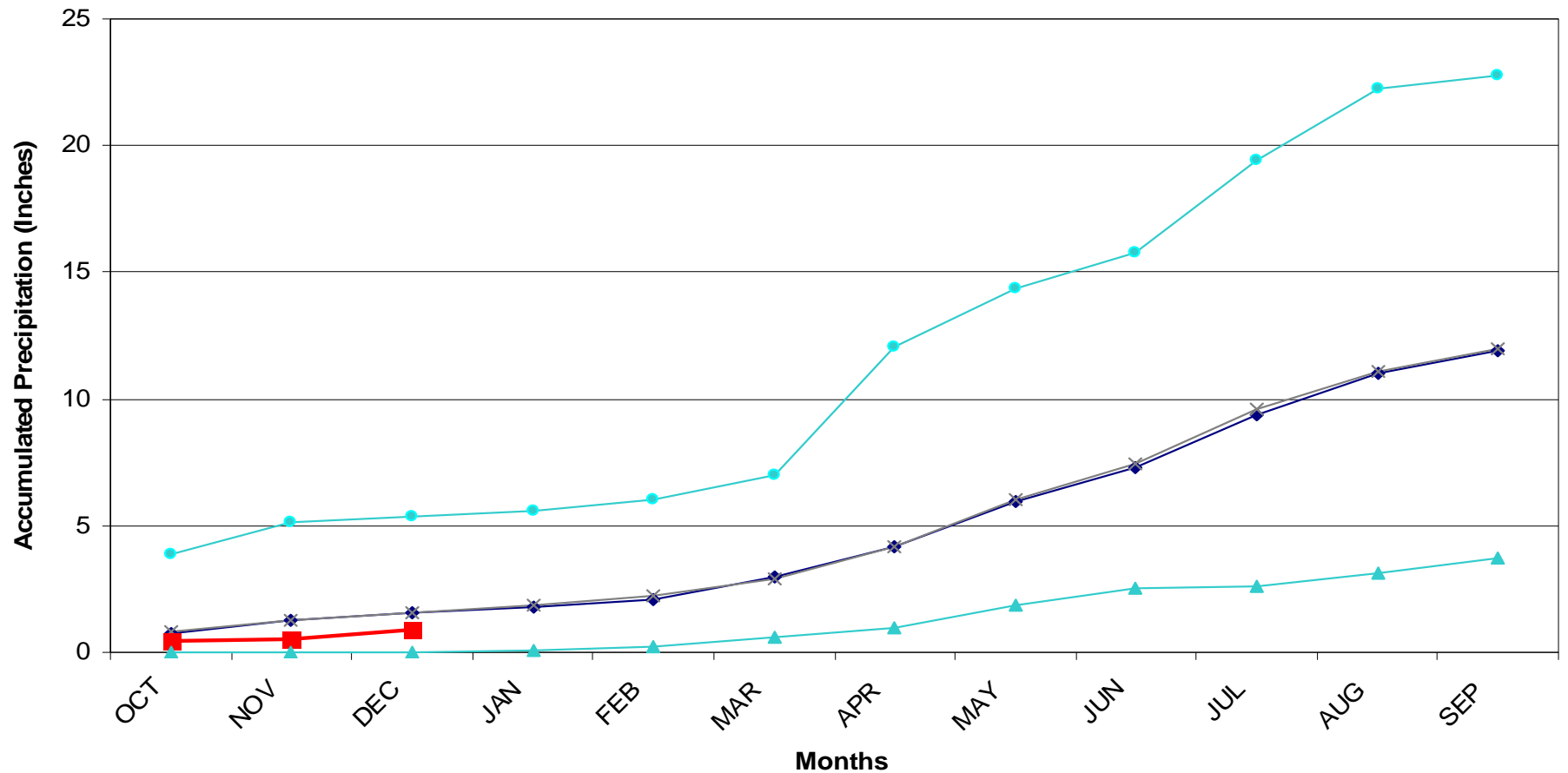
Buena Vista 2008 Water Year



Division 6 – Rocky Ford

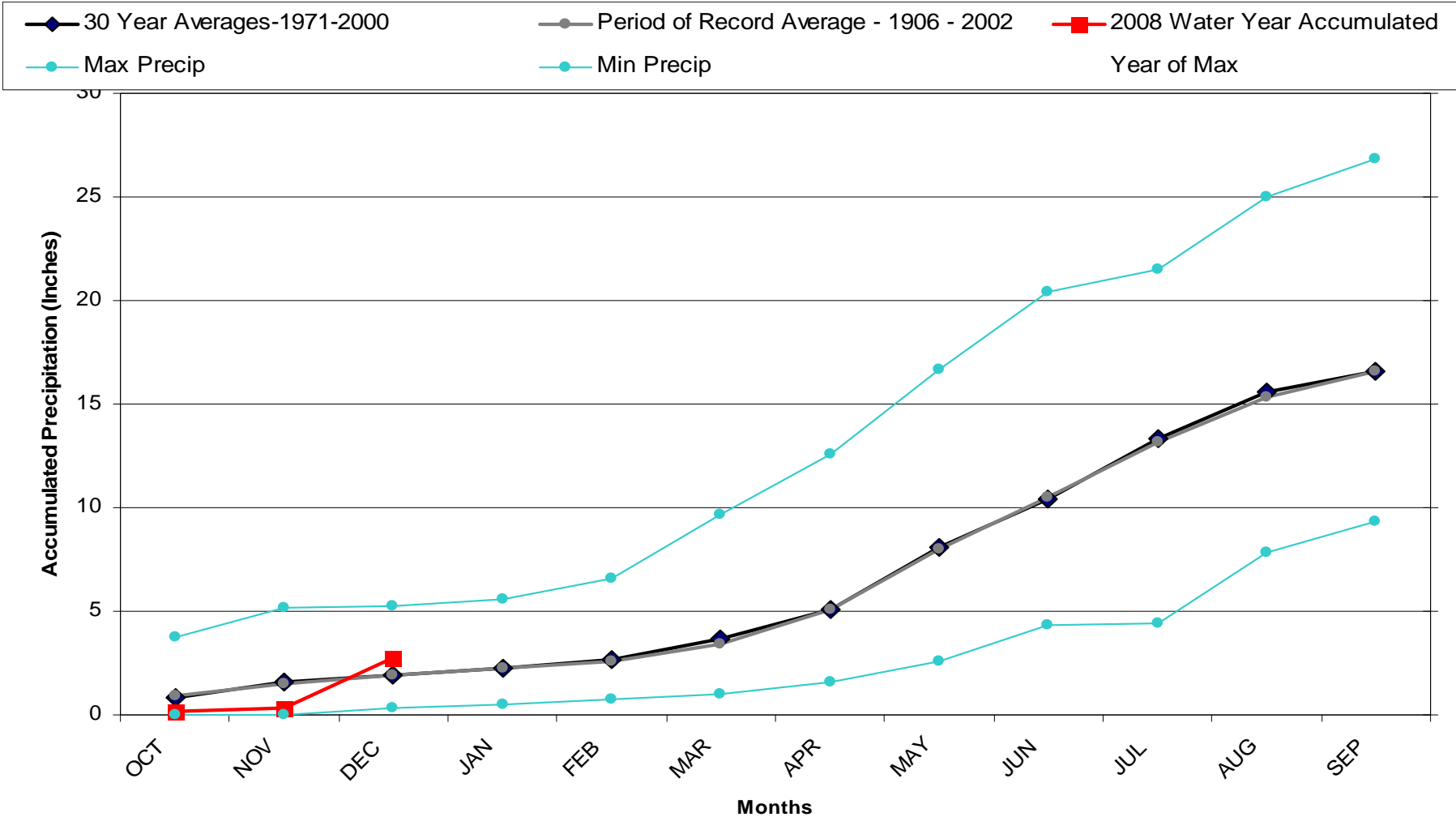
Rocky Ford 2008 Water Year

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



Division 7 – Akron

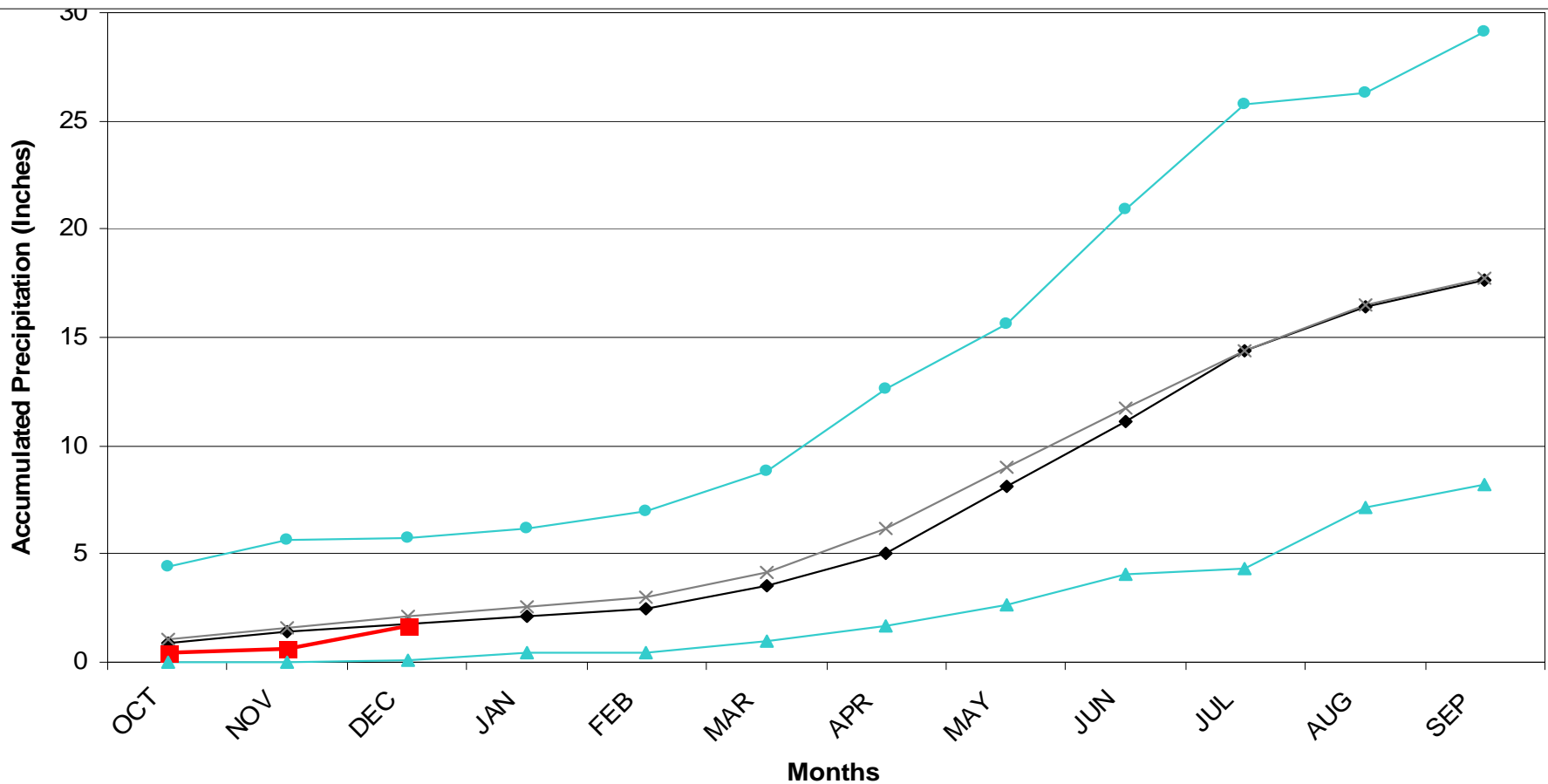
Akron 4E 2008 Water Year



Division 7 – Leroy

Leroy 5SW 2008 Water Year

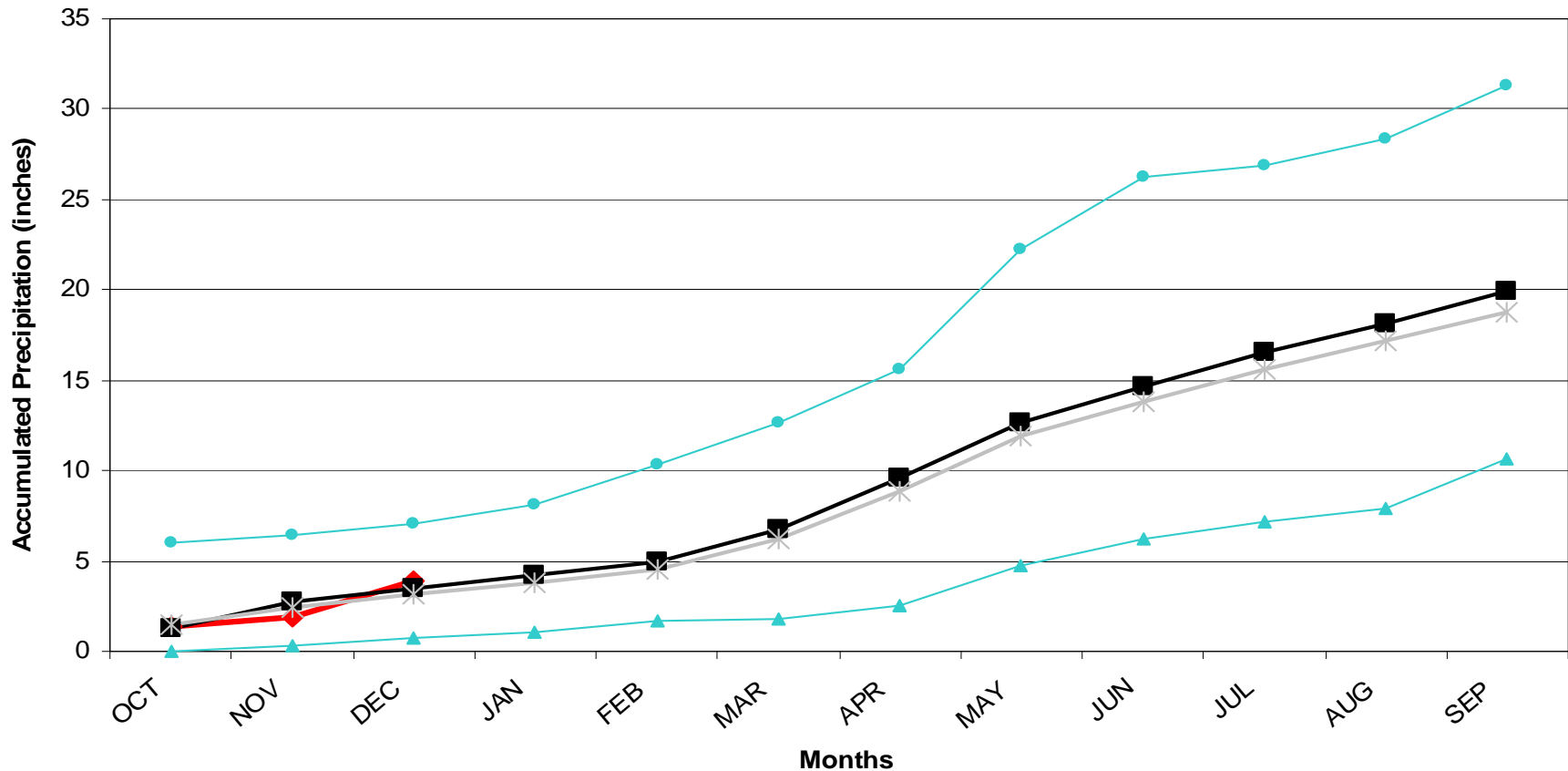
◆ 30 Year Averages-1971-2000 ✕ Period of Record Average - 1890-2002 ■ 2008 Water Year Accumulated ● Max Precip ▲ Min



Division 8 – Boulder

Boulder 2008 Water Year

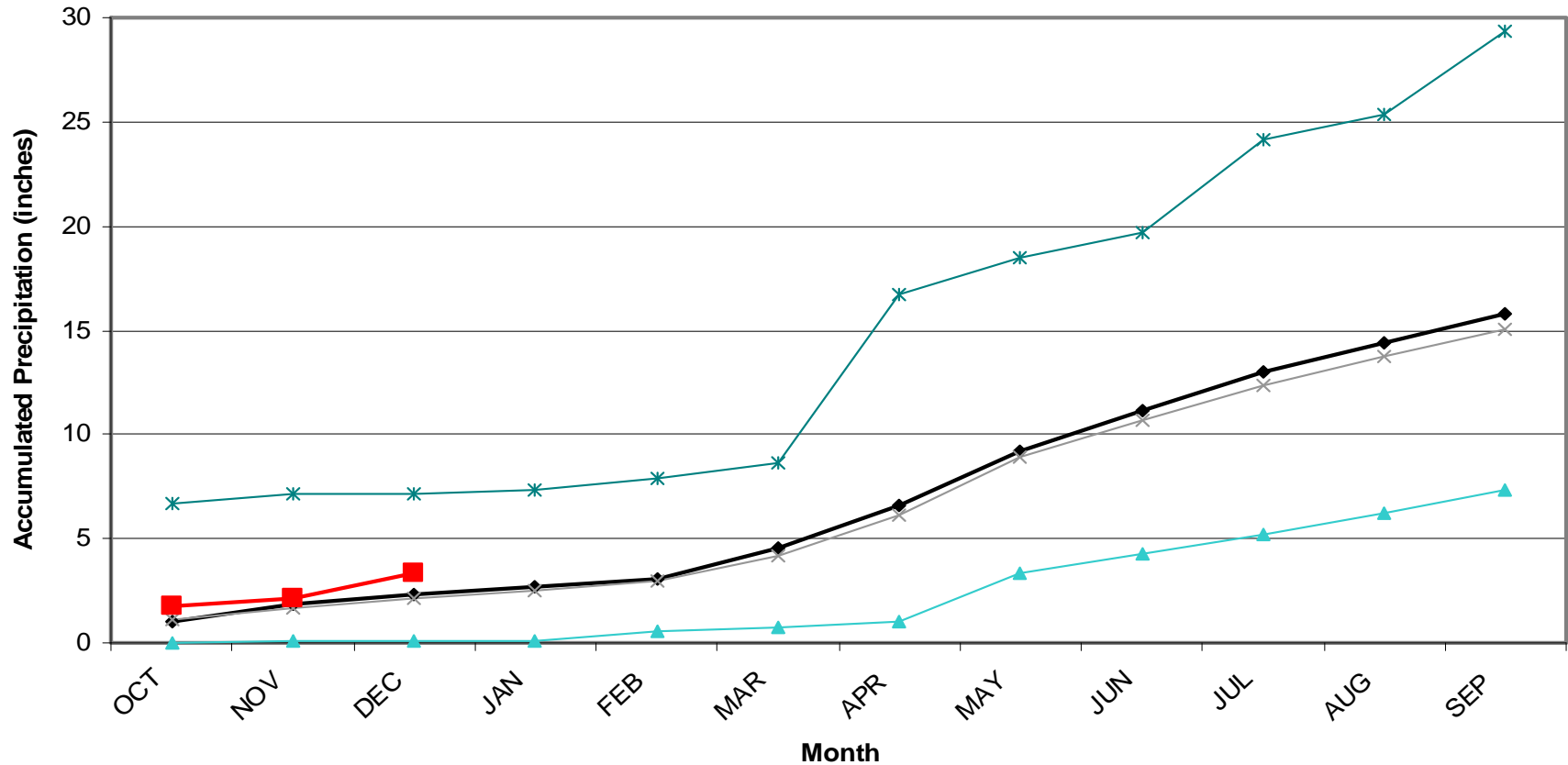
2008 Water Year 30 Year Averages-1971-2000 Period of Record Average - 1894-2002 Max Precip Min Pr



Division 8 – Fort Collins

Fort Collins 2008 Water Year

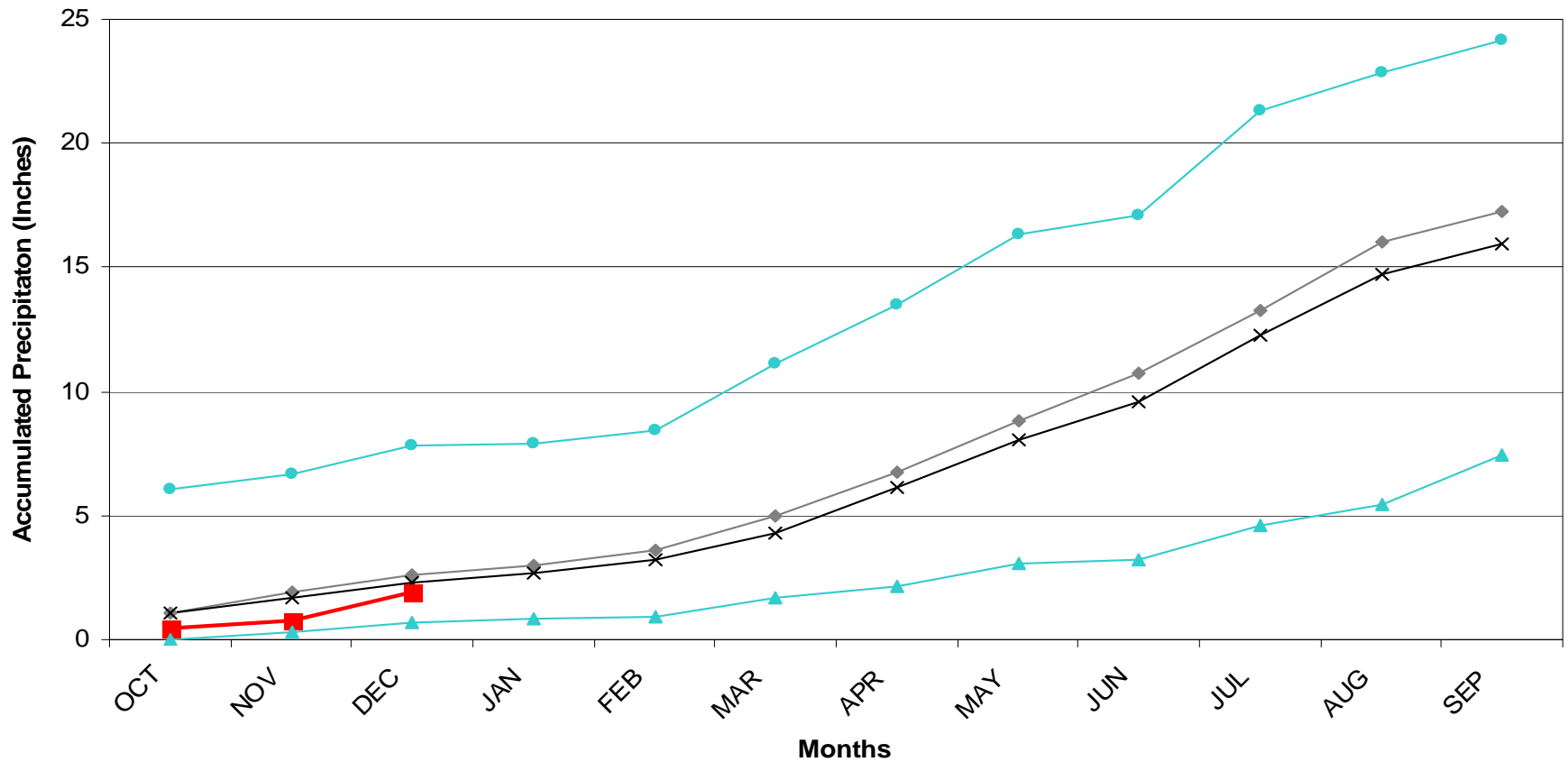
◆ 30 Year Averages-1971-2000 × Period of Record Average - 1890 - 2002 ■ 2008 Water Year * Max Precip ▲ Min P



Division 8 – Cheesman

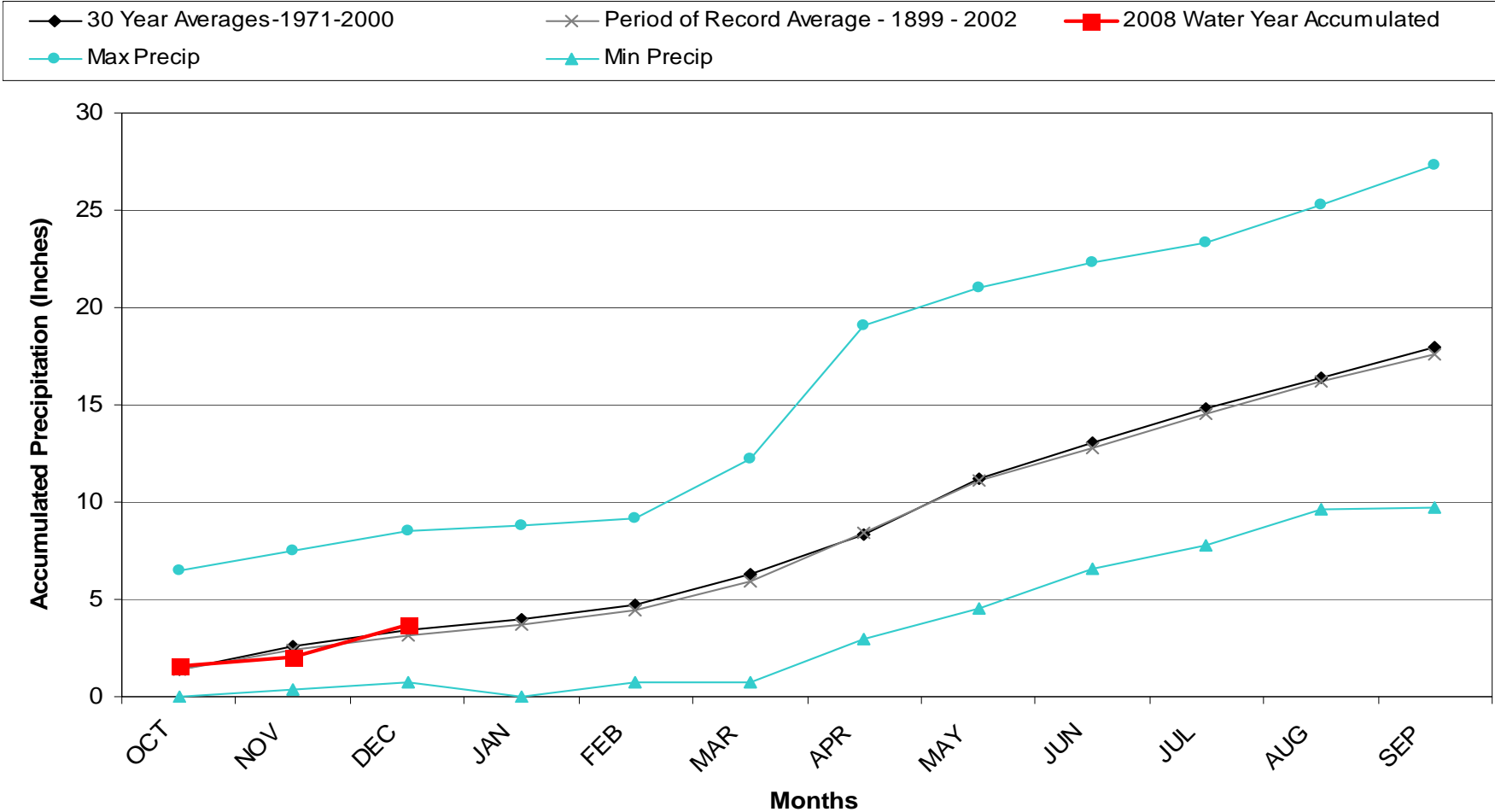
Cheesman 2008 Water Year

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



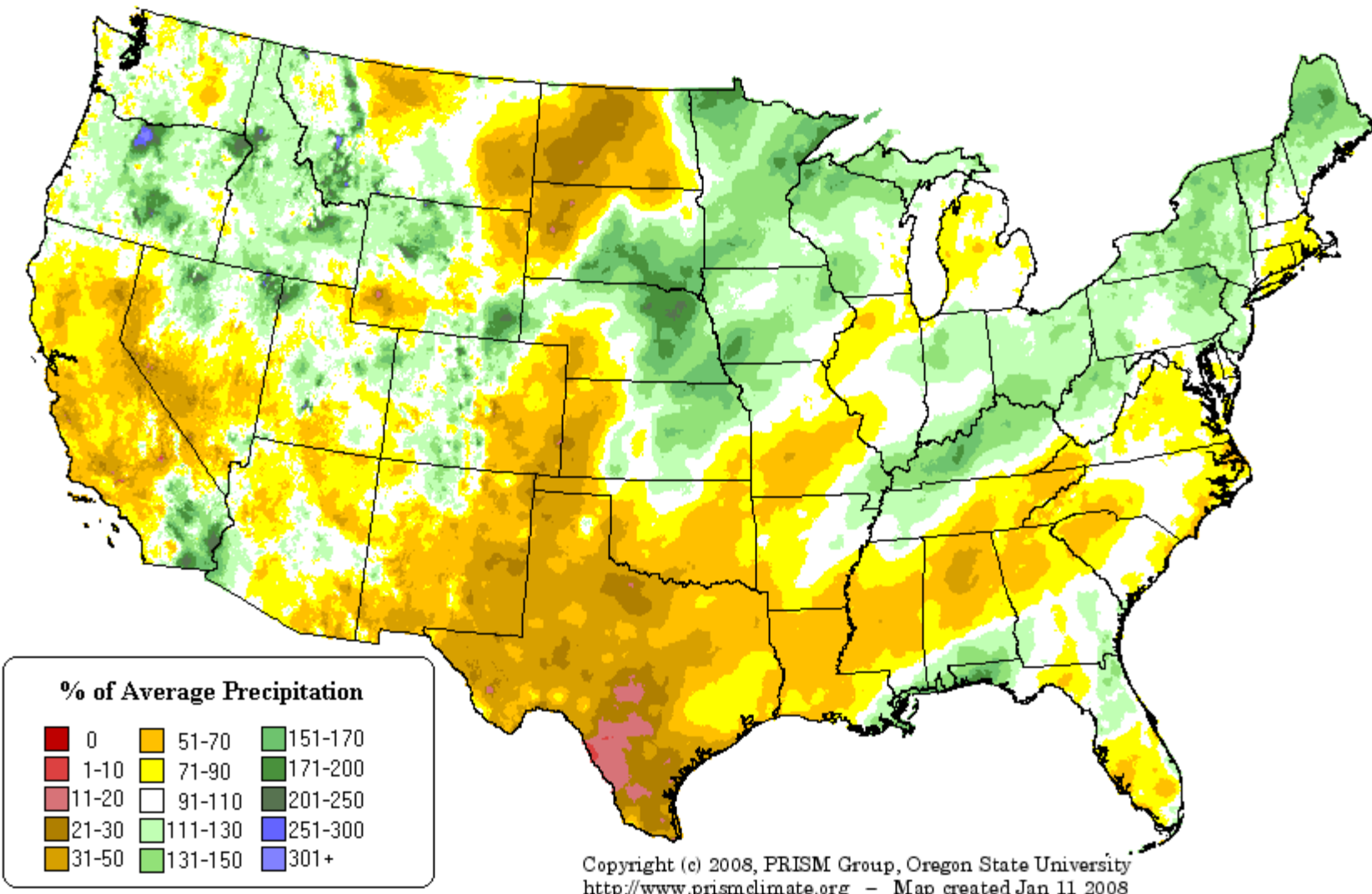
Division 8 – Kassler

Kassler 2008 Water Year

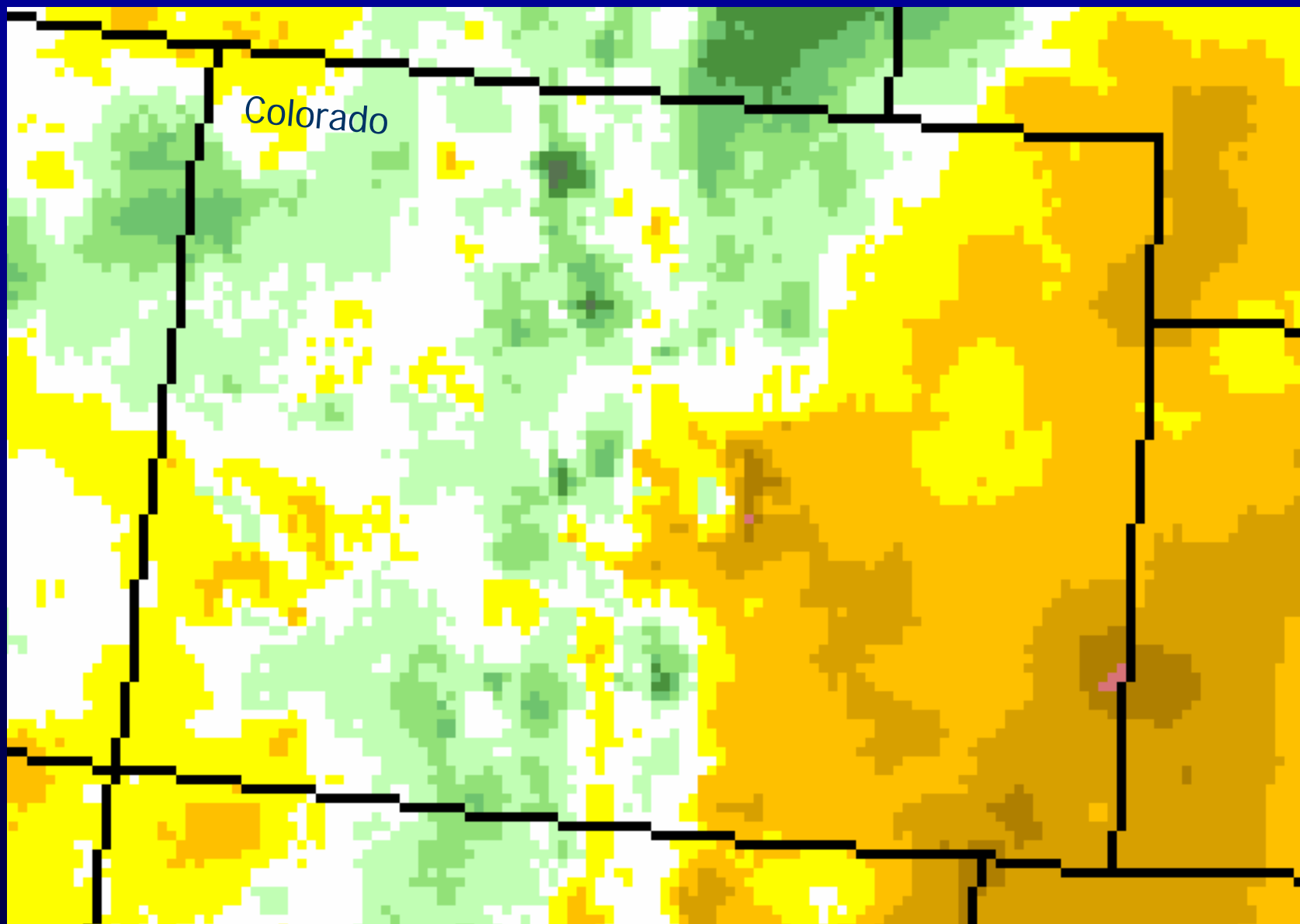


Water Year 2008 (Oct-Dec 07) Prism

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

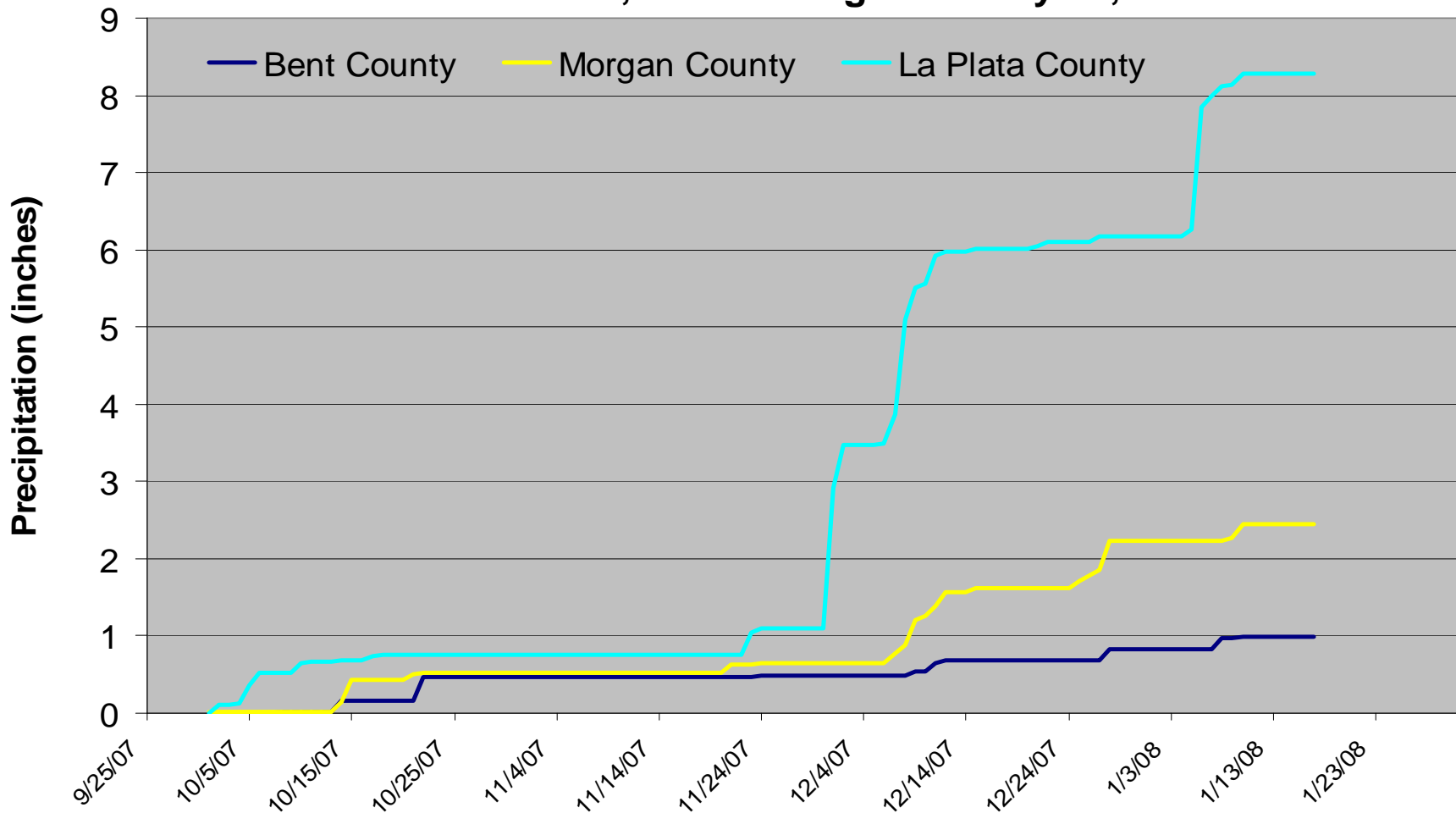


Water Year 2008 (Oct-Dec 07) Prism



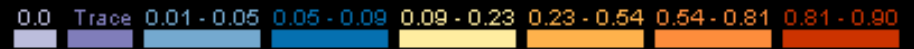
CoCoRaHS Accumulated Precipitation for Selected Counties

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

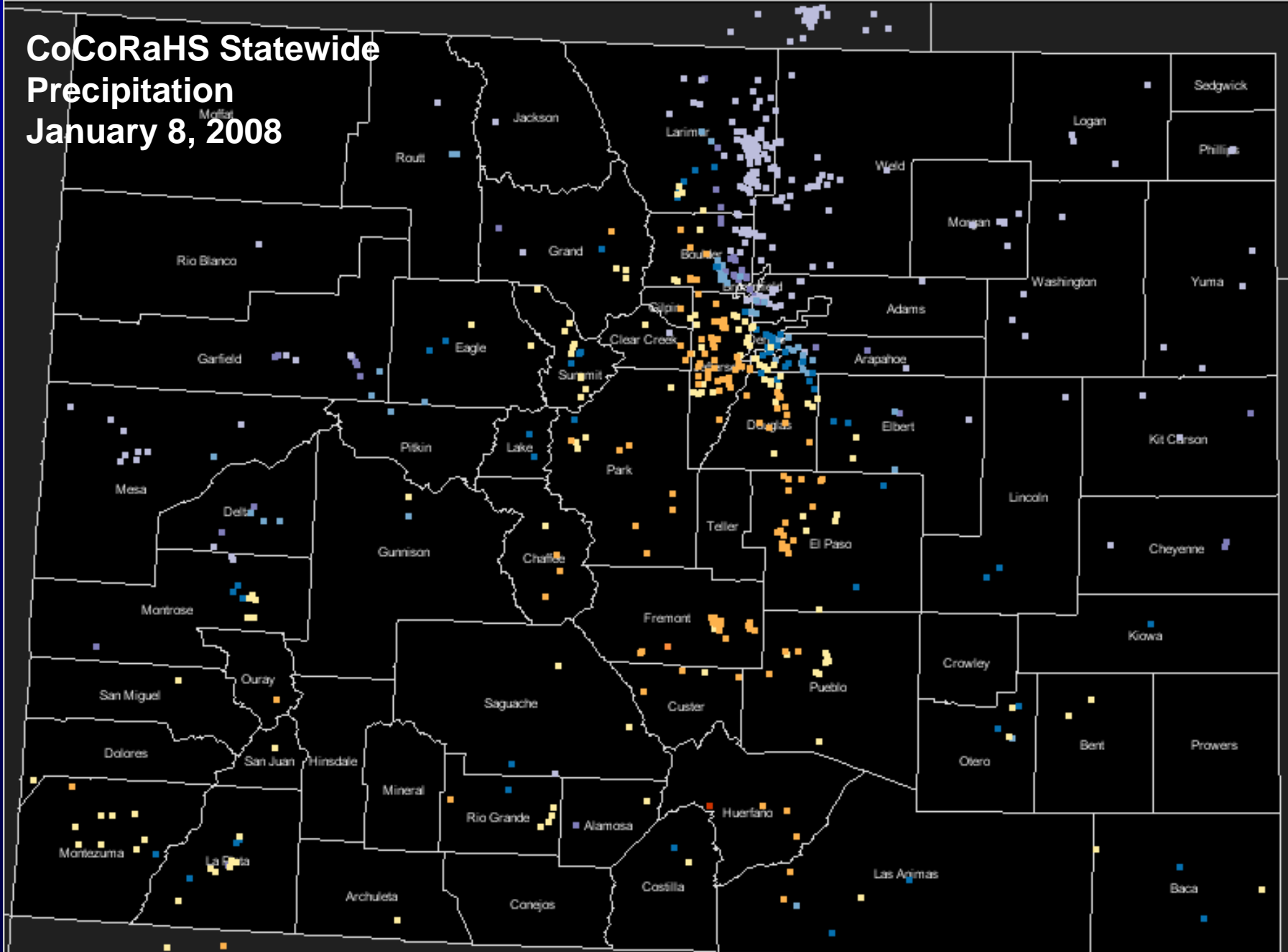


Daily Precipitation (inches x.xx), for the 24 hour period ending ~7:00 am

Colorado 1/8/2008



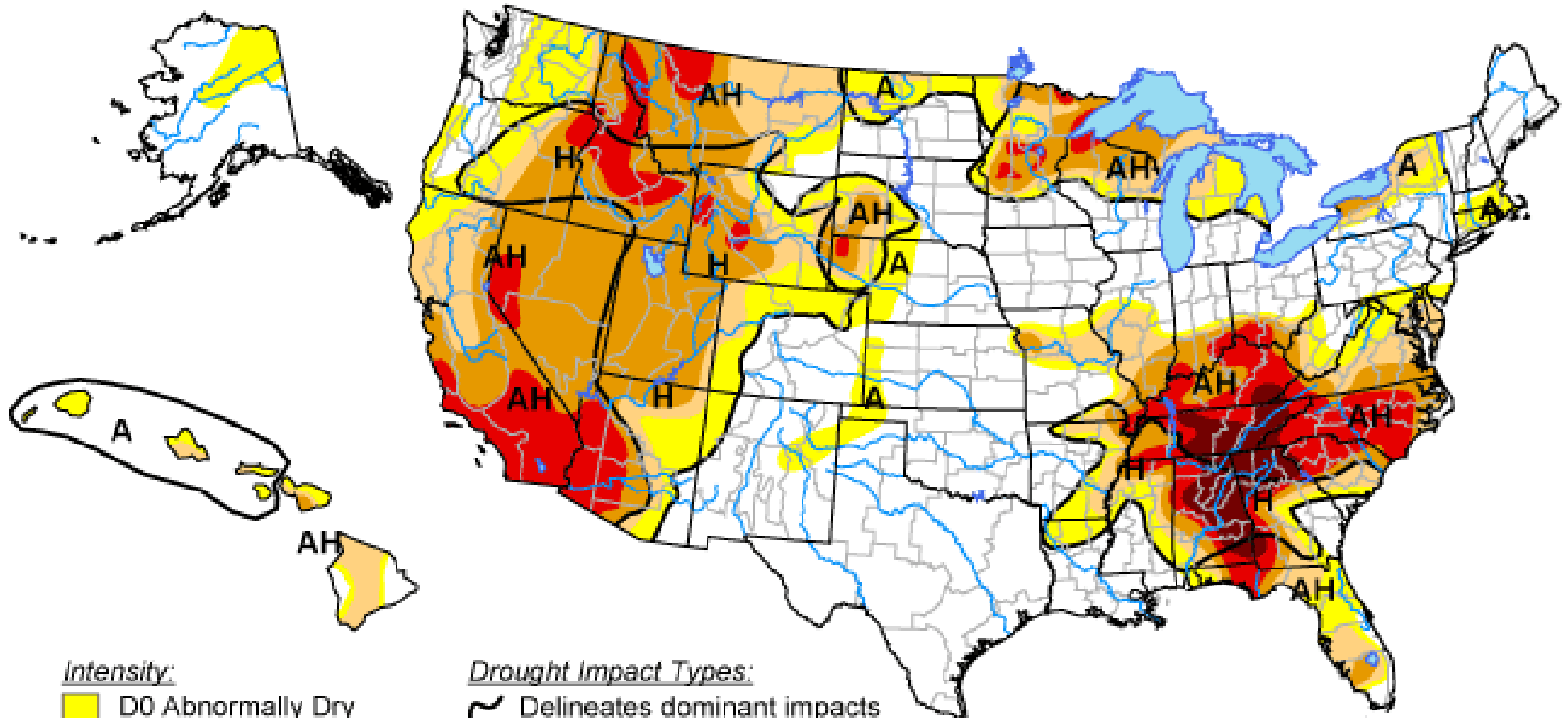
CoCoRaHS Statewide Precipitation January 8, 2008








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.



Released Thursday, September 20, 2007

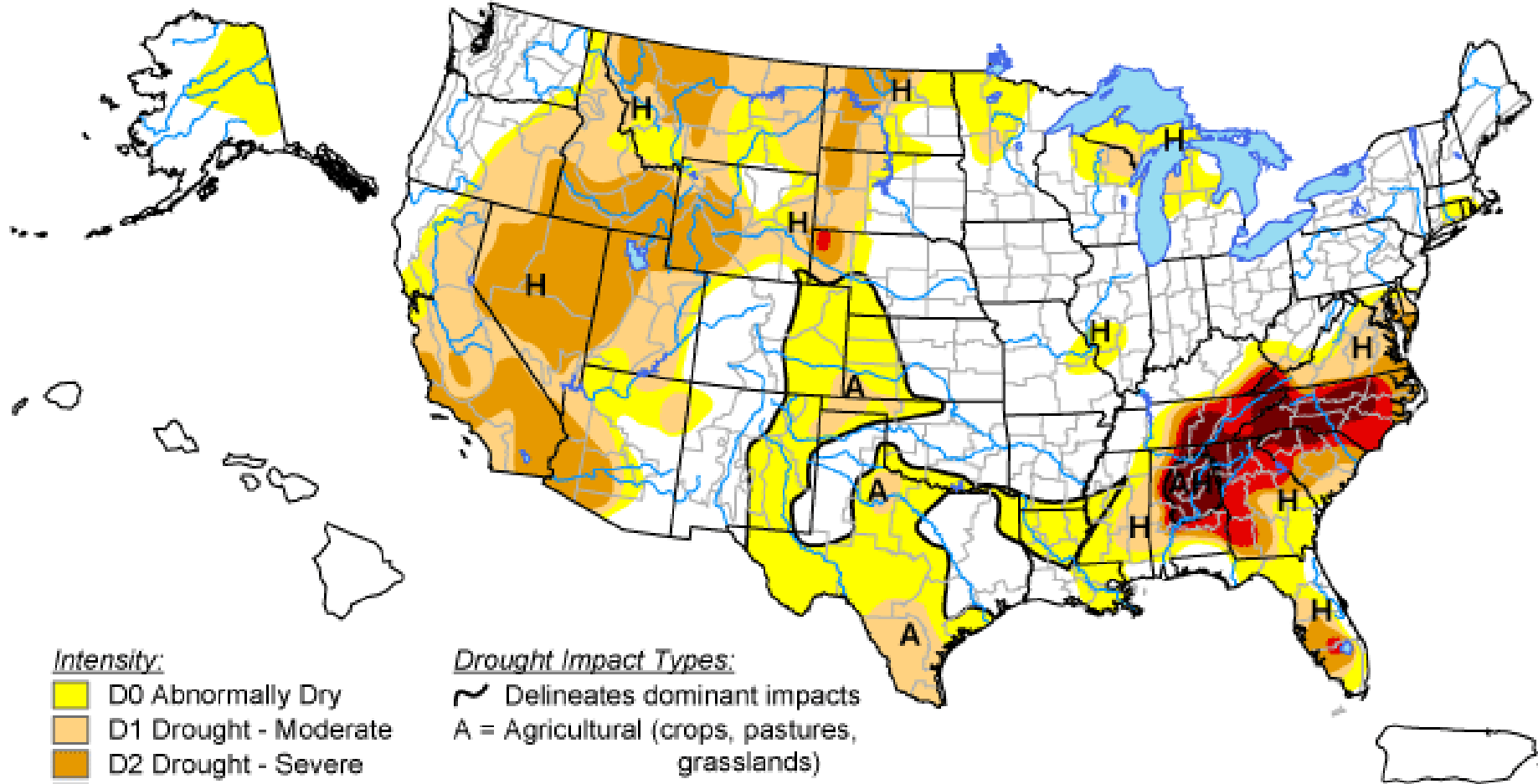
Author: David Miskus, JAWF/CPC/NOAA

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






U.S. Drought Monitor

January 8, 2008


Valid 7 a.m. EST



Intensity:

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

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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”

