

Climate Update

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State Climatologist
Colorado Climate Center**

**Atmospheric Science Department
Colorado State University**

**Presented to
Water Availability Task Force
July 25, 2008, NRCS
Lakewood, CO**

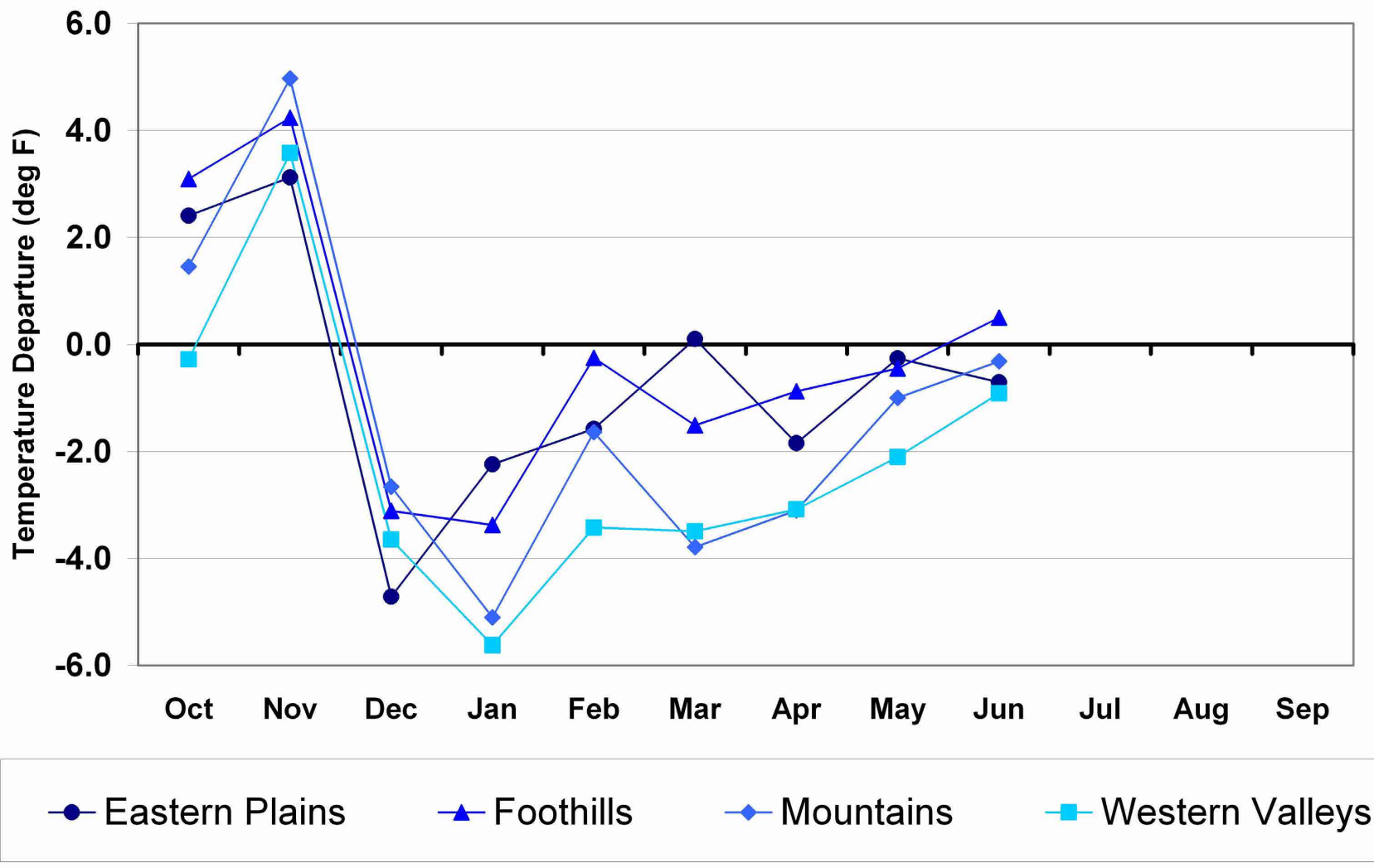
Prepared by Odie Bliss



**Colorado
State
University**
Knowledge to Go Places

Water Year 2008 Temperature Departures

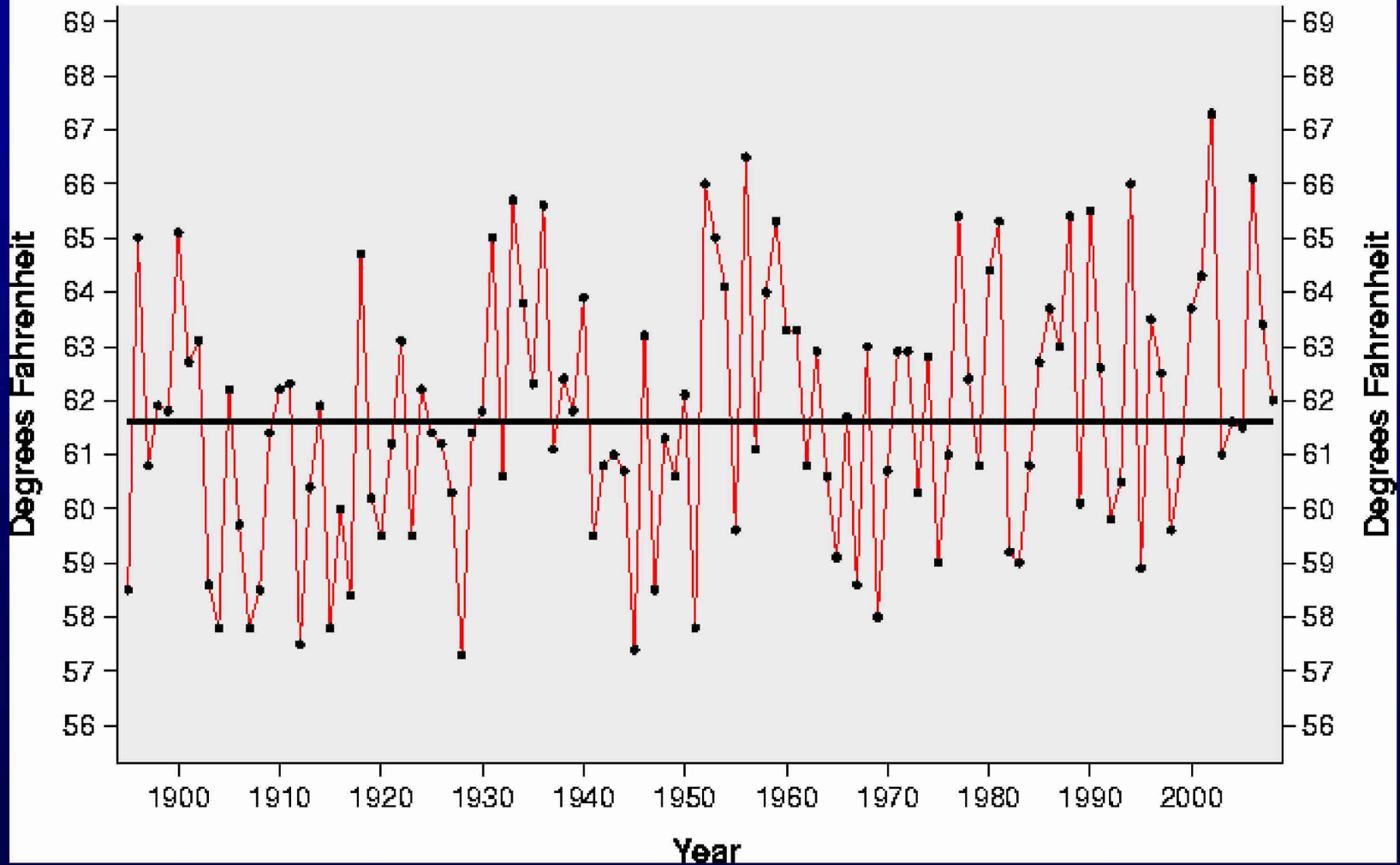
Water Year 2008



June Average Temperature History for Colorado (NCDC)

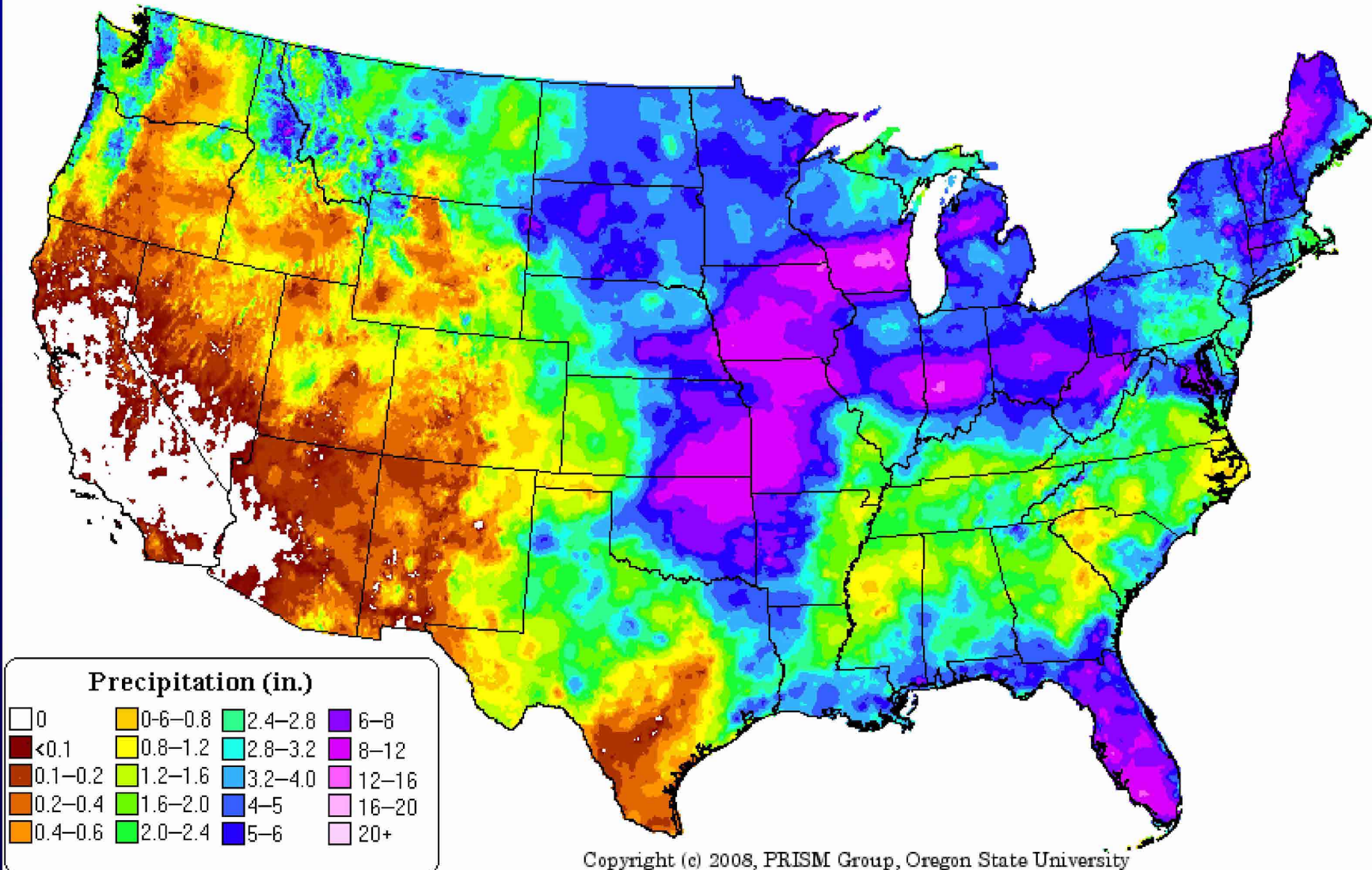
— Actual Temperature
— Average Temperature

June 2008: 62 deg F Rank: 64th
coolest in 114 years. Period of record
1895-2008



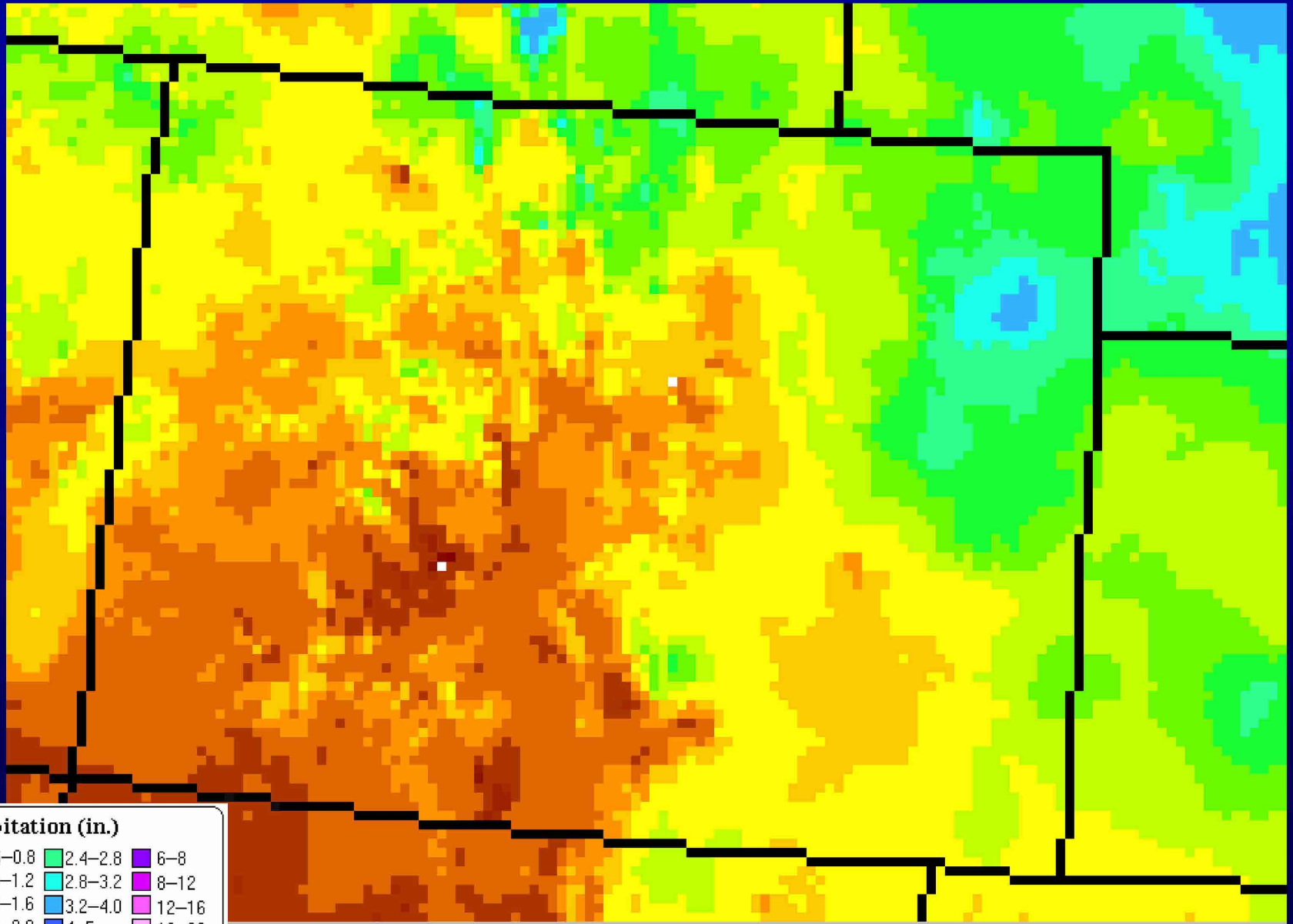
June 2008 Precipitation (inches)

Precipitation: Jun 2008
Provisional Data

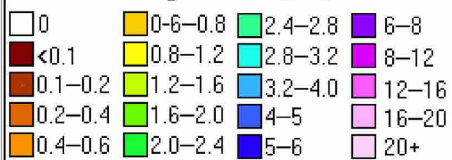


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<http://www.prismclimate.org> - Map created Jul 09 2008

June 2008 Precipitation (inches)

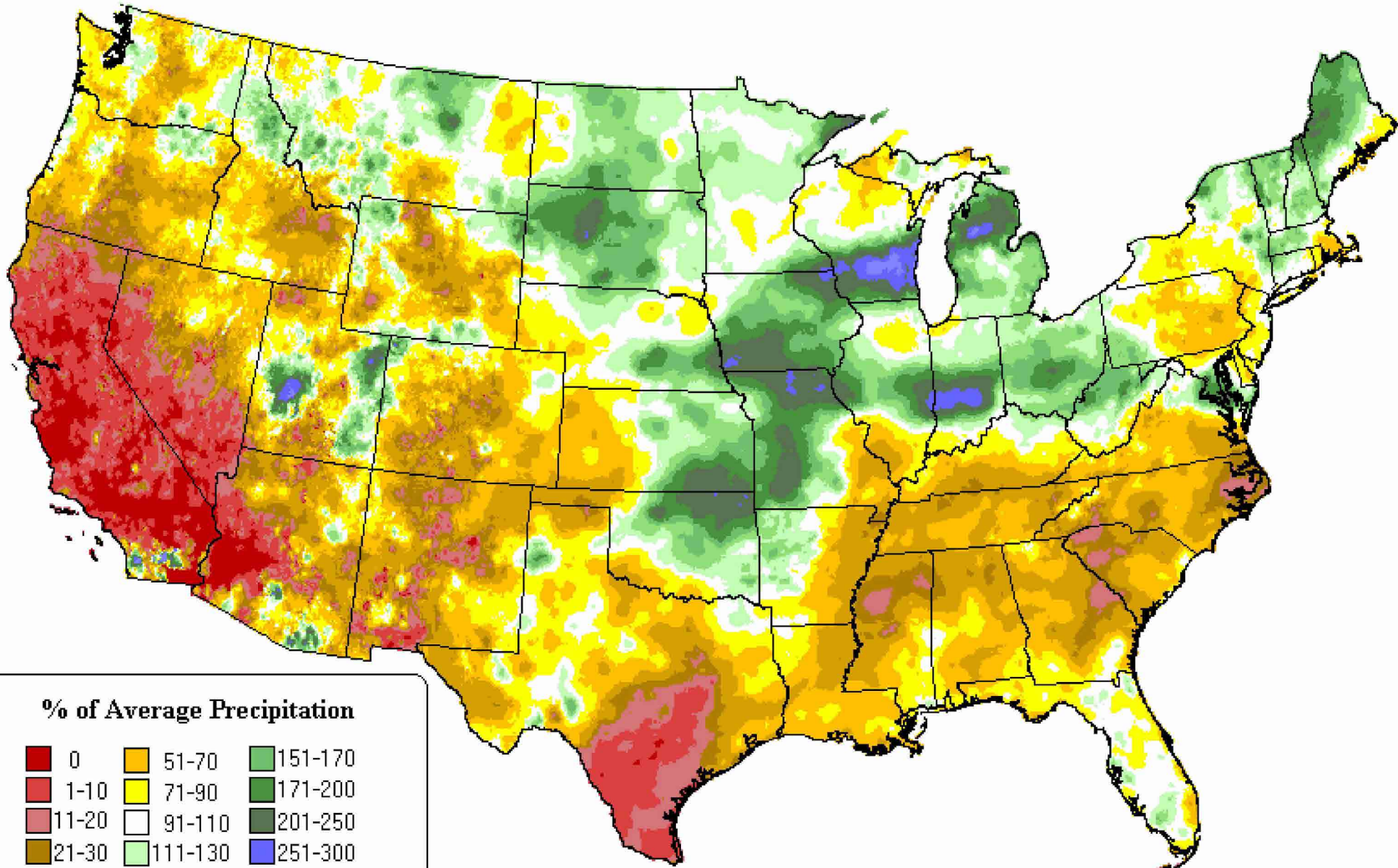


Precipitation (in.)

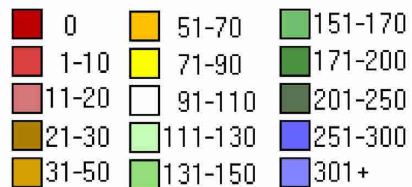


June 2008 Percent of Average (Prism)

1-month Percent of Average Precipitation: Jun 2008
Provisional Data

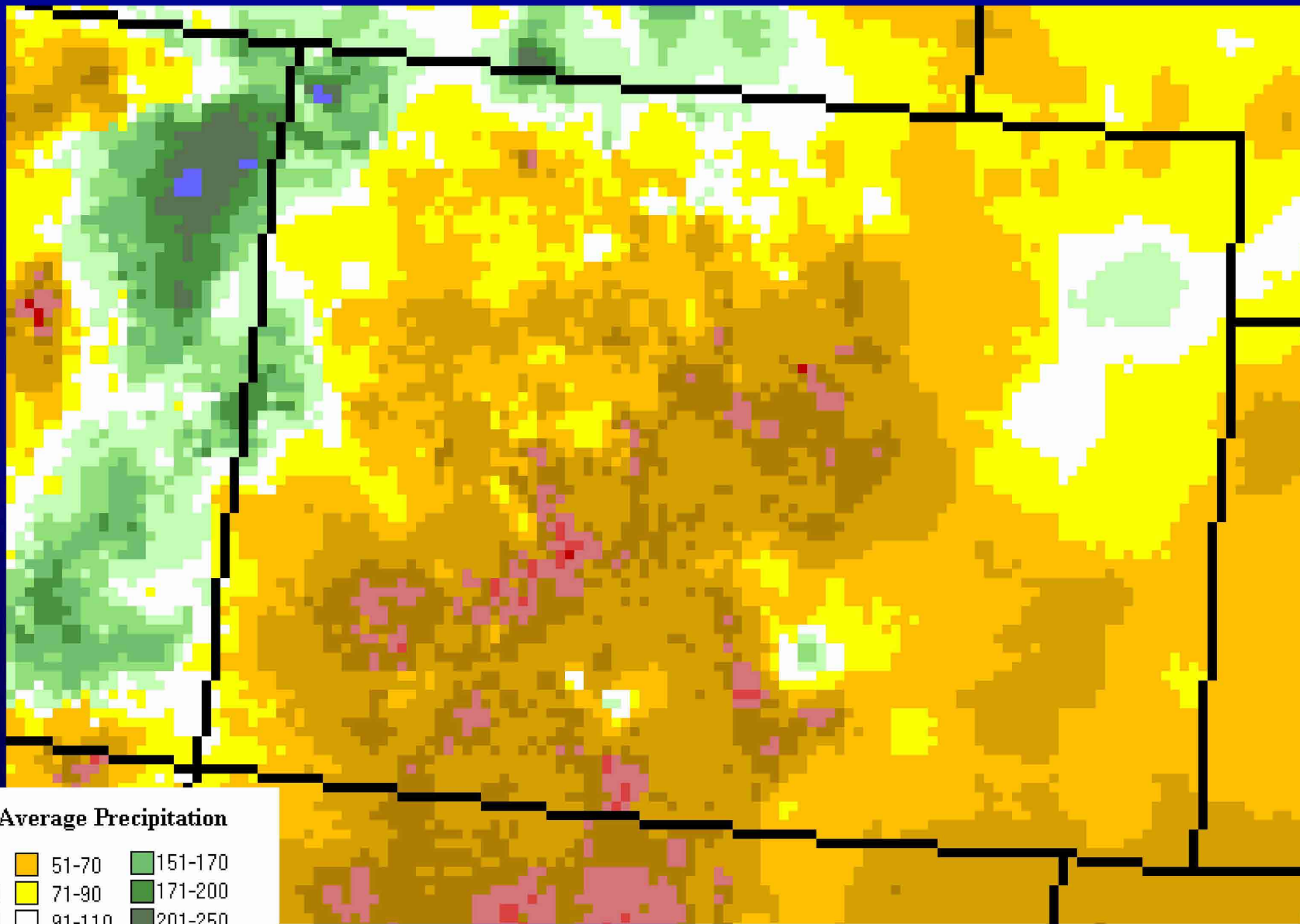


% of Average Precipitation

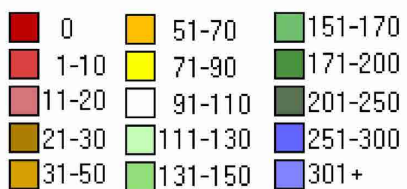


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<http://www.prismclimate.org> - Map created Jul 10 2008

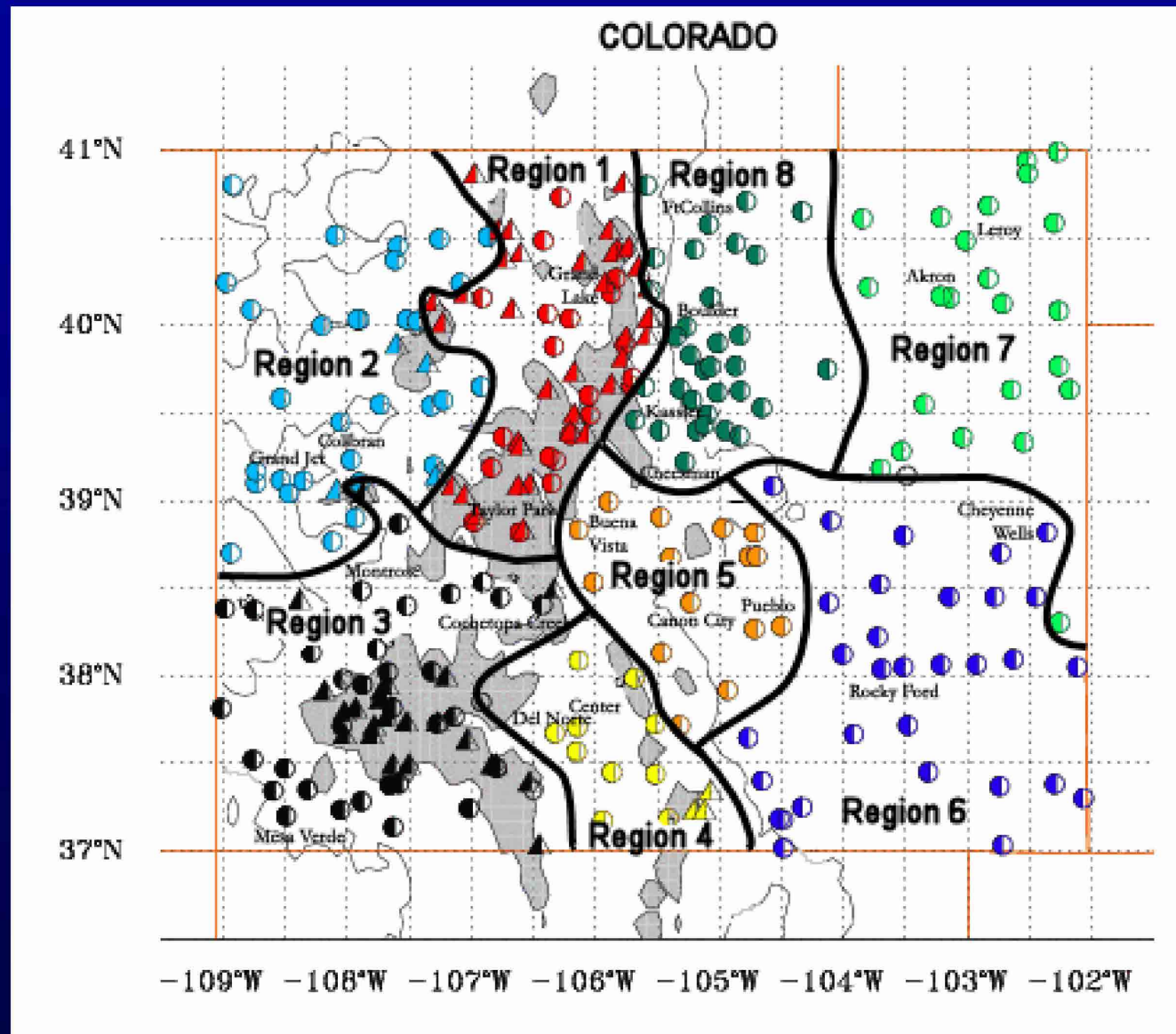
June 2008 Percent of Average (Prism)



% of Average Precipitation

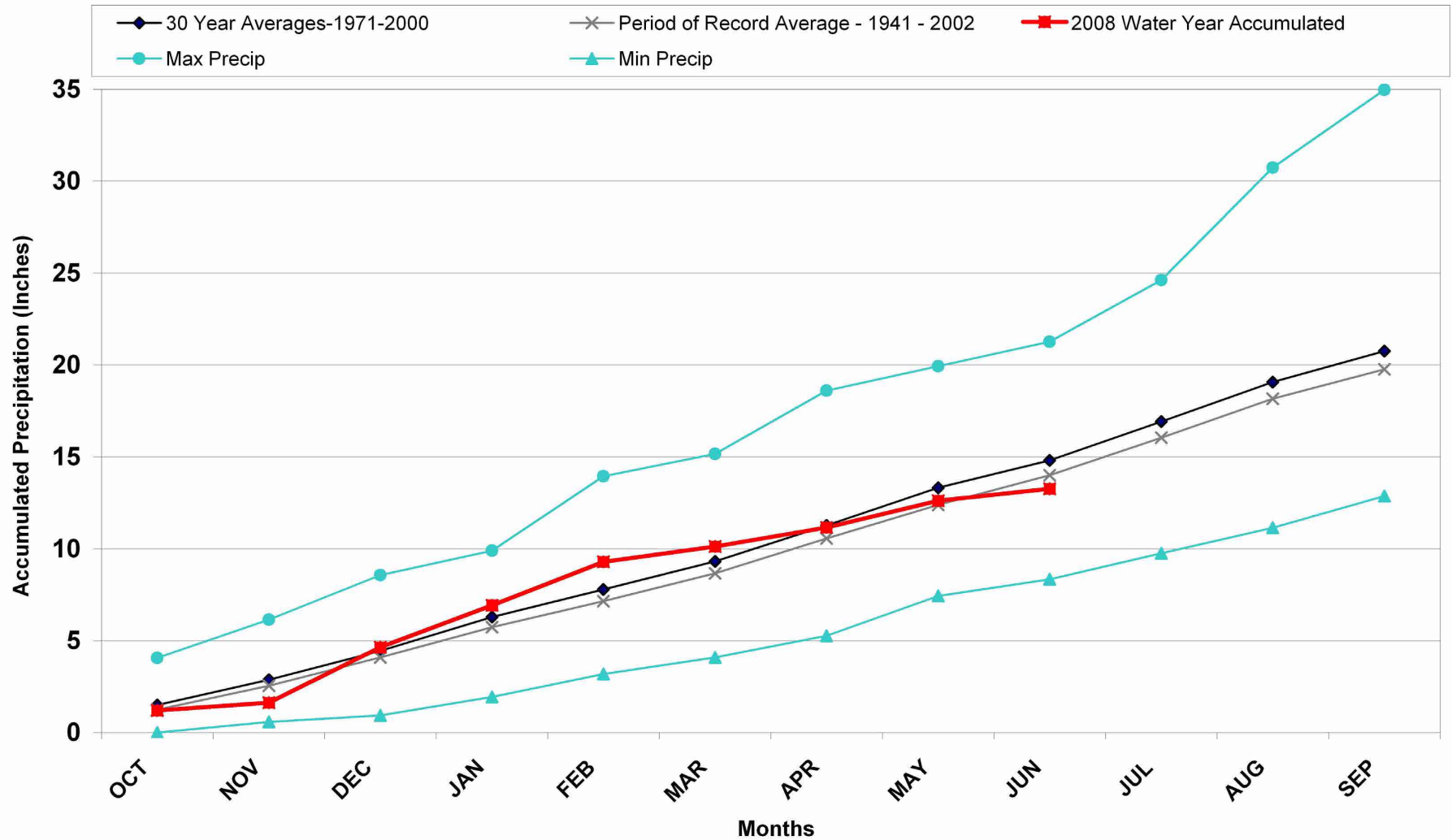


Climate divisions defined by Dr. Klaus Wolter of NOAA's Climate Diagnostic Center in Boulder, CO



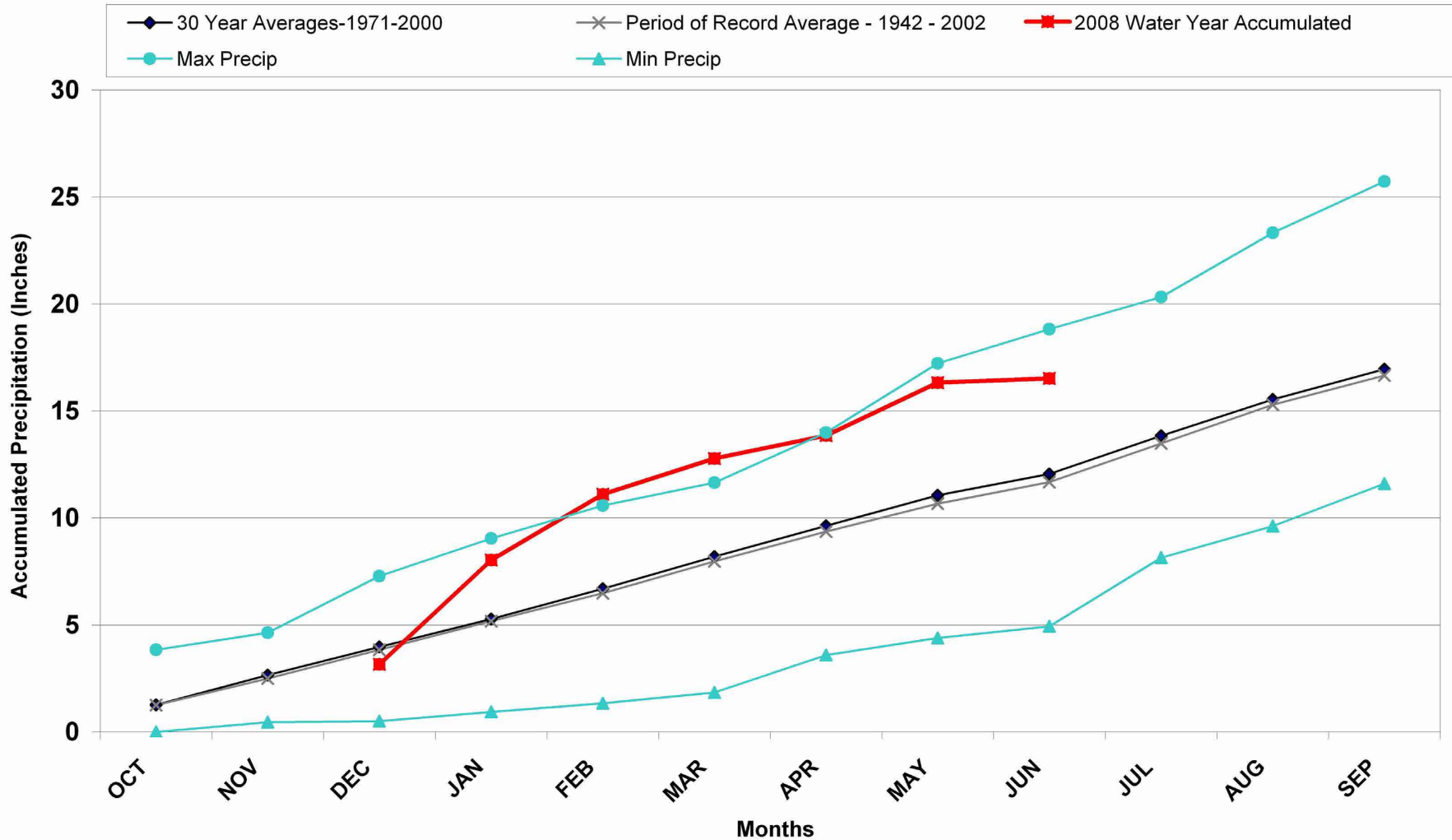
Division 1– Grand Lake 1NW

Grand Lake 1 NW 2008 Water Year



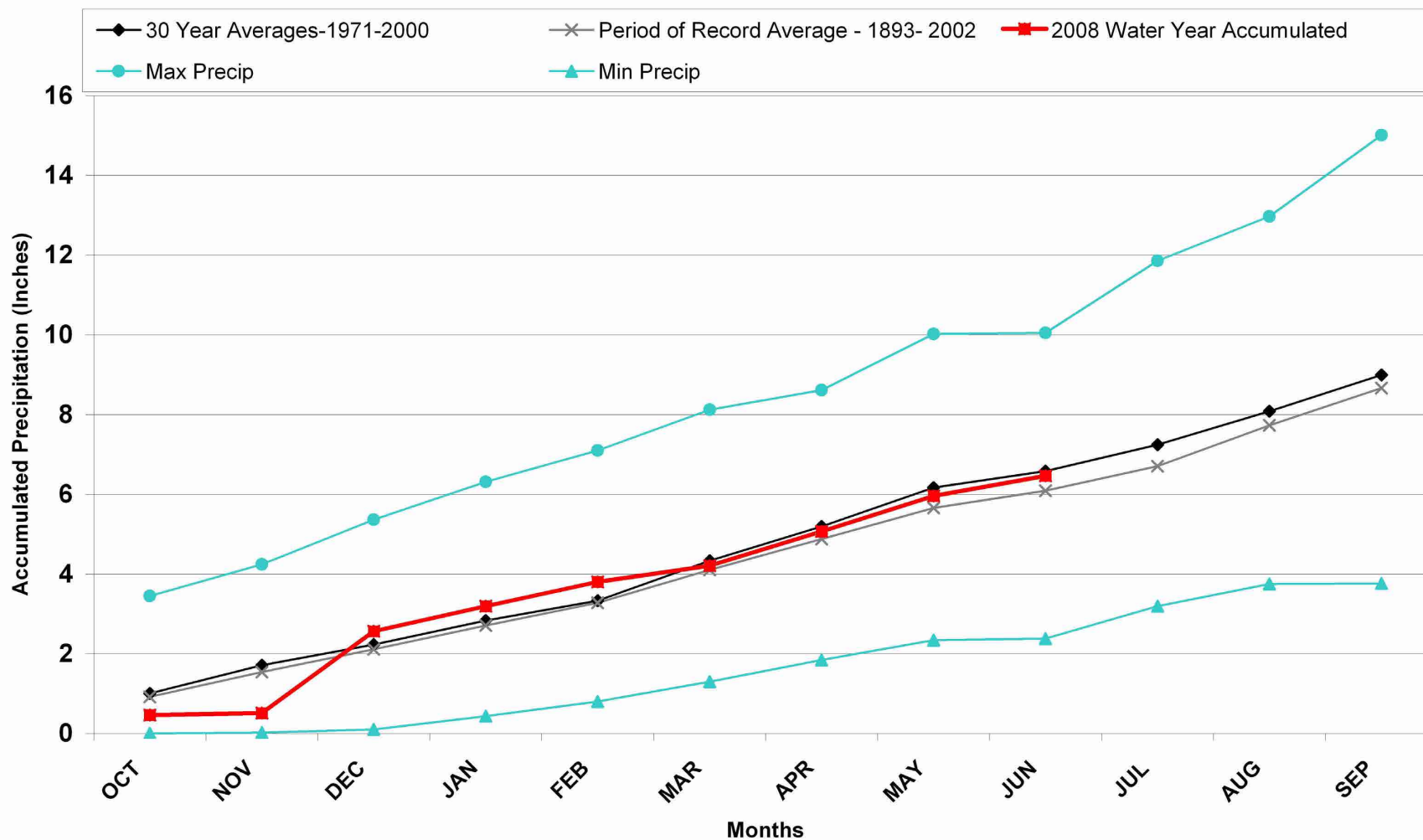
Division 1 – Taylor Park

Taylor Park 2008 Water Year



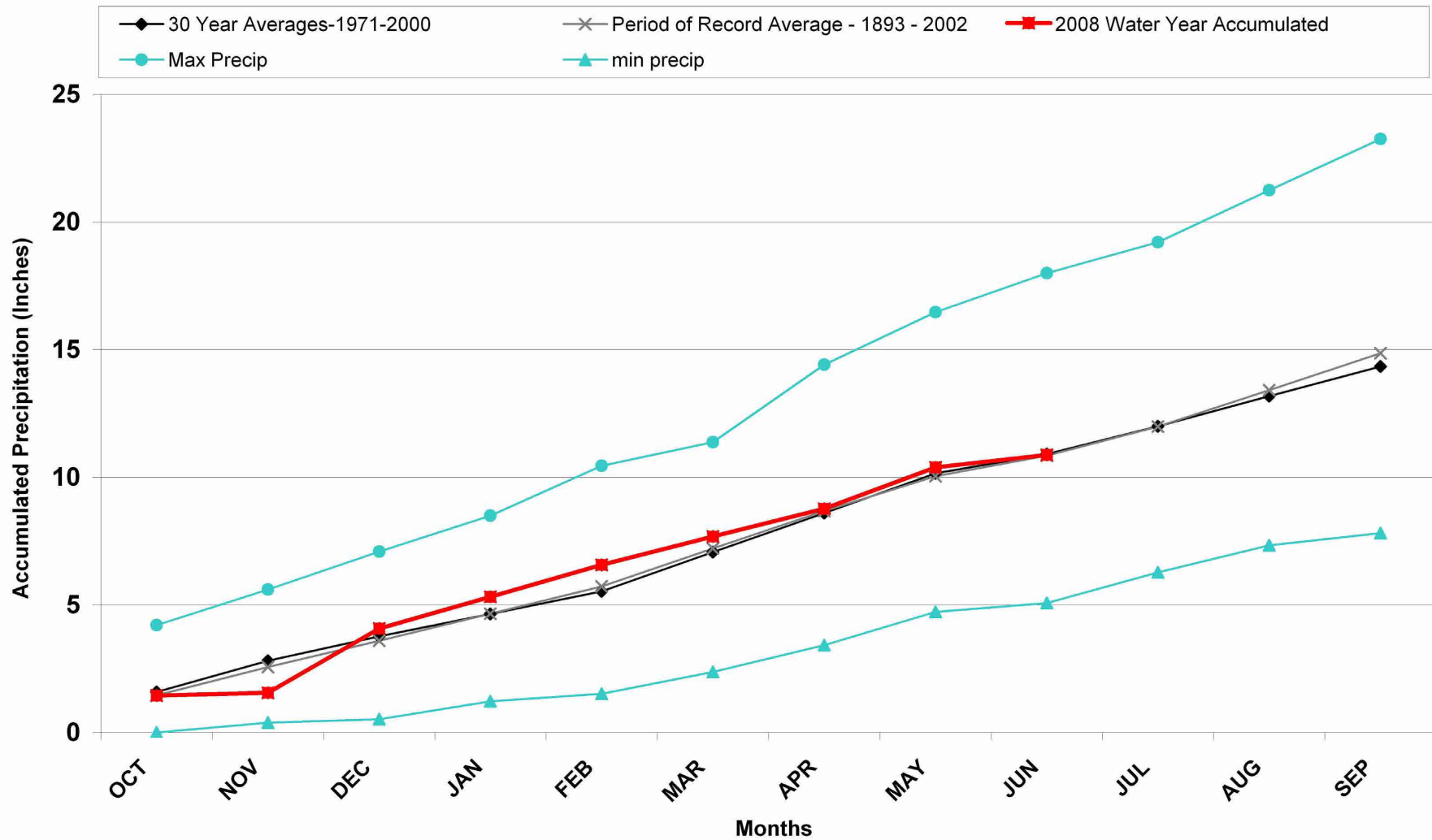
Division 2 – Grand Junction

Grand Junction WSFO 2008 Water Year



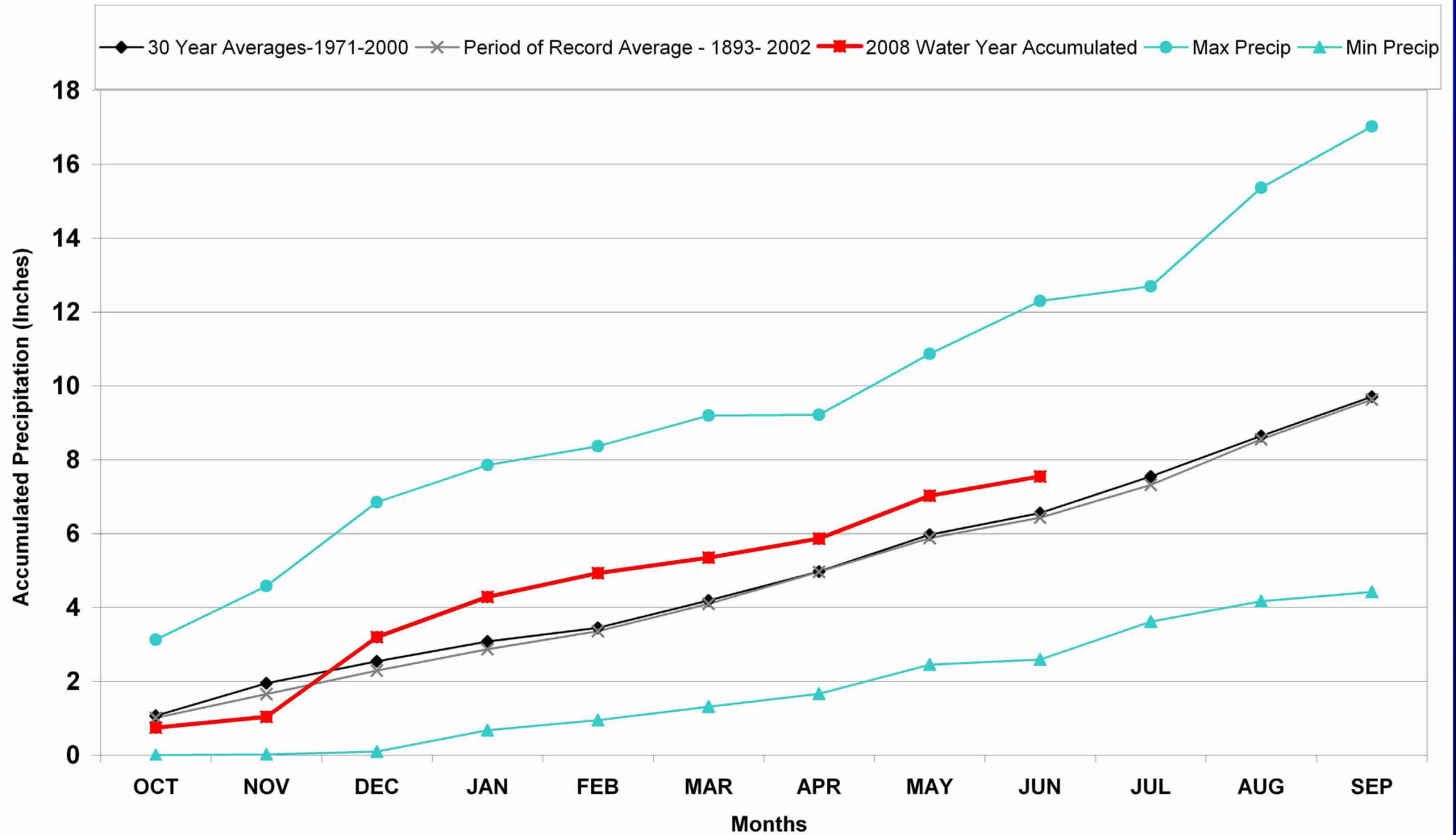
Division 2 – Collbran

Collbran 2SW 2008 Water Year



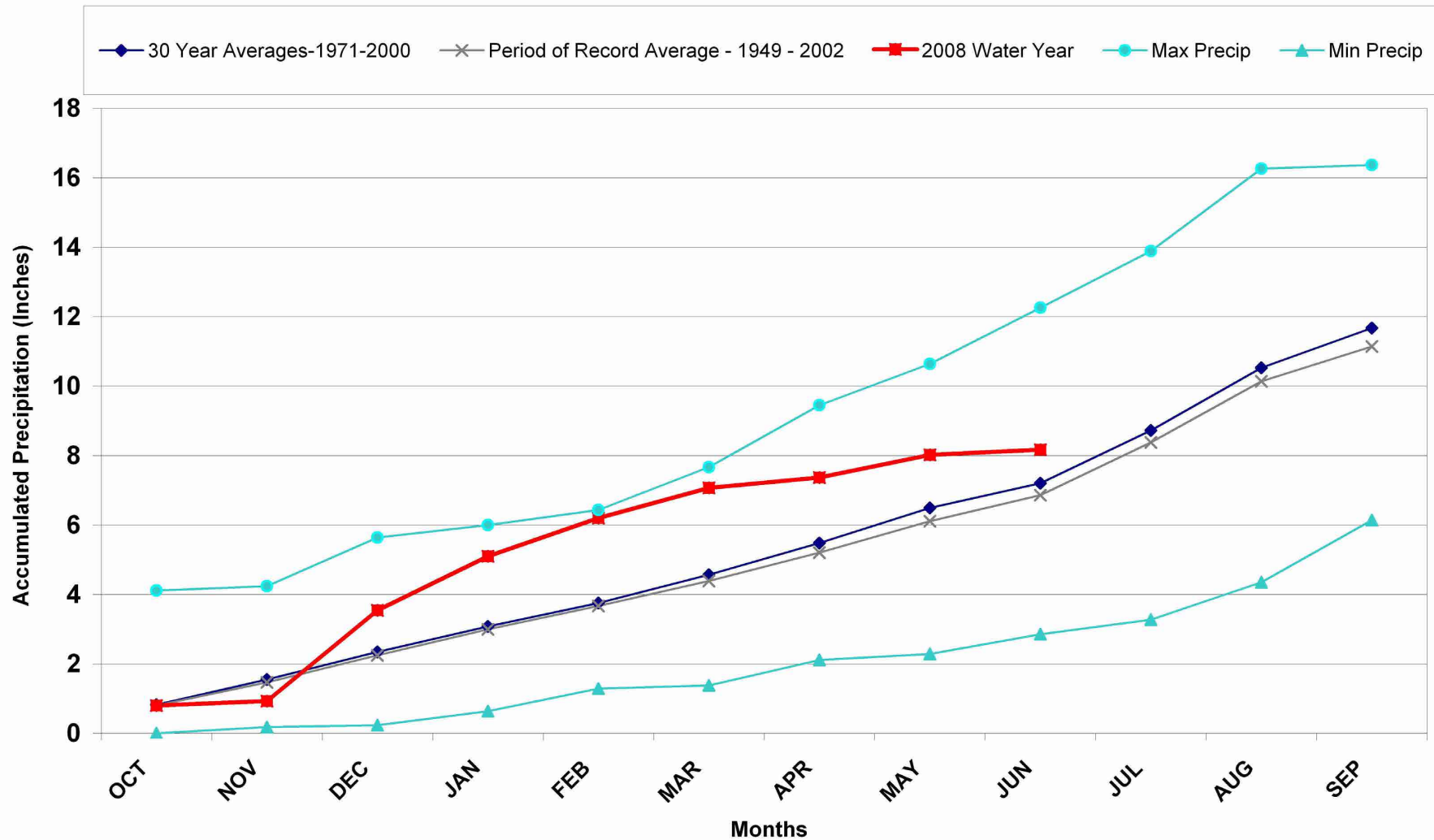
Division 3 – Montrose

Montrose #2 2008 Water Year



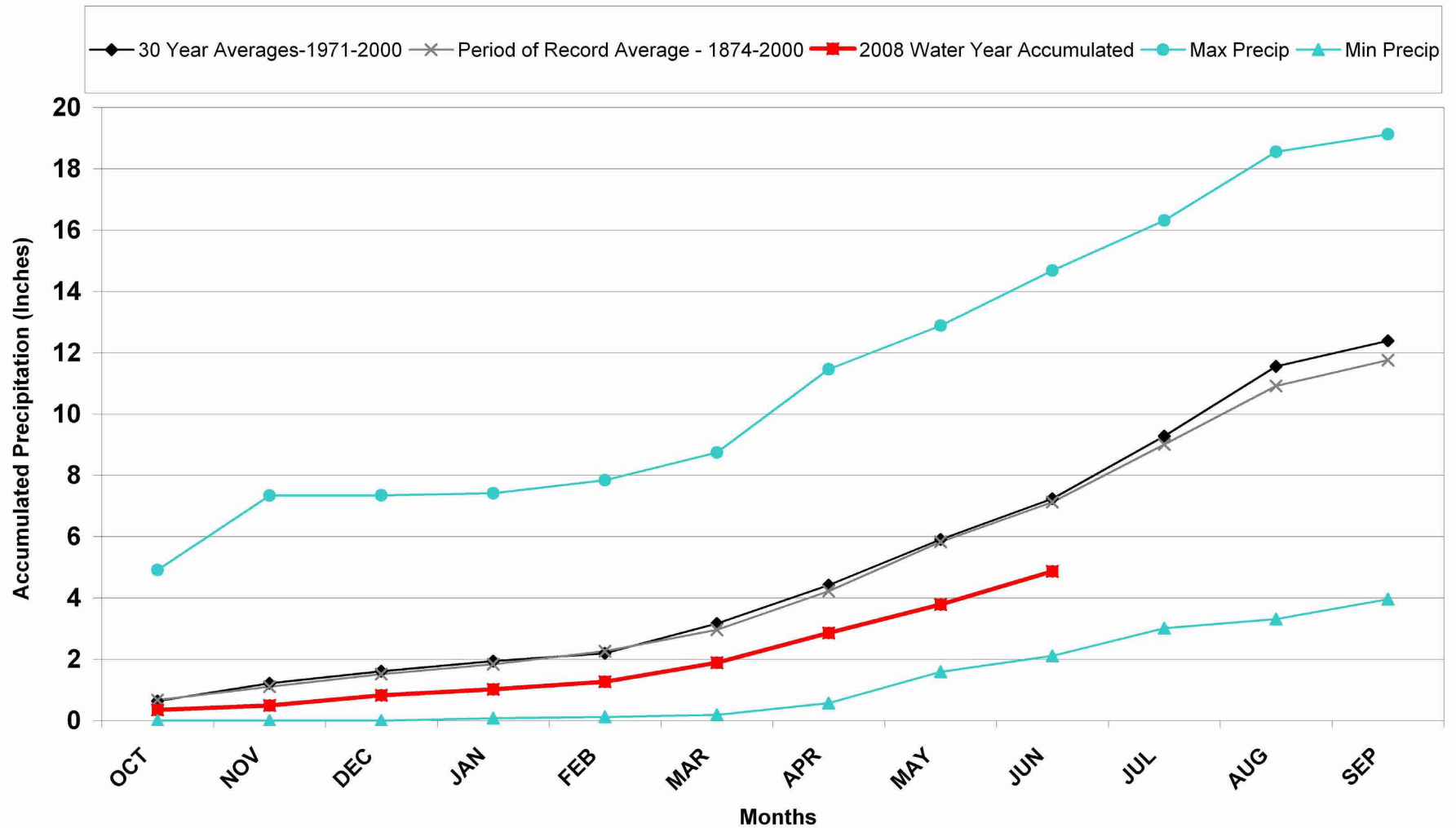
Division 3 – Cochetopa Creek

Cochetopa Creek 2008 Water Year



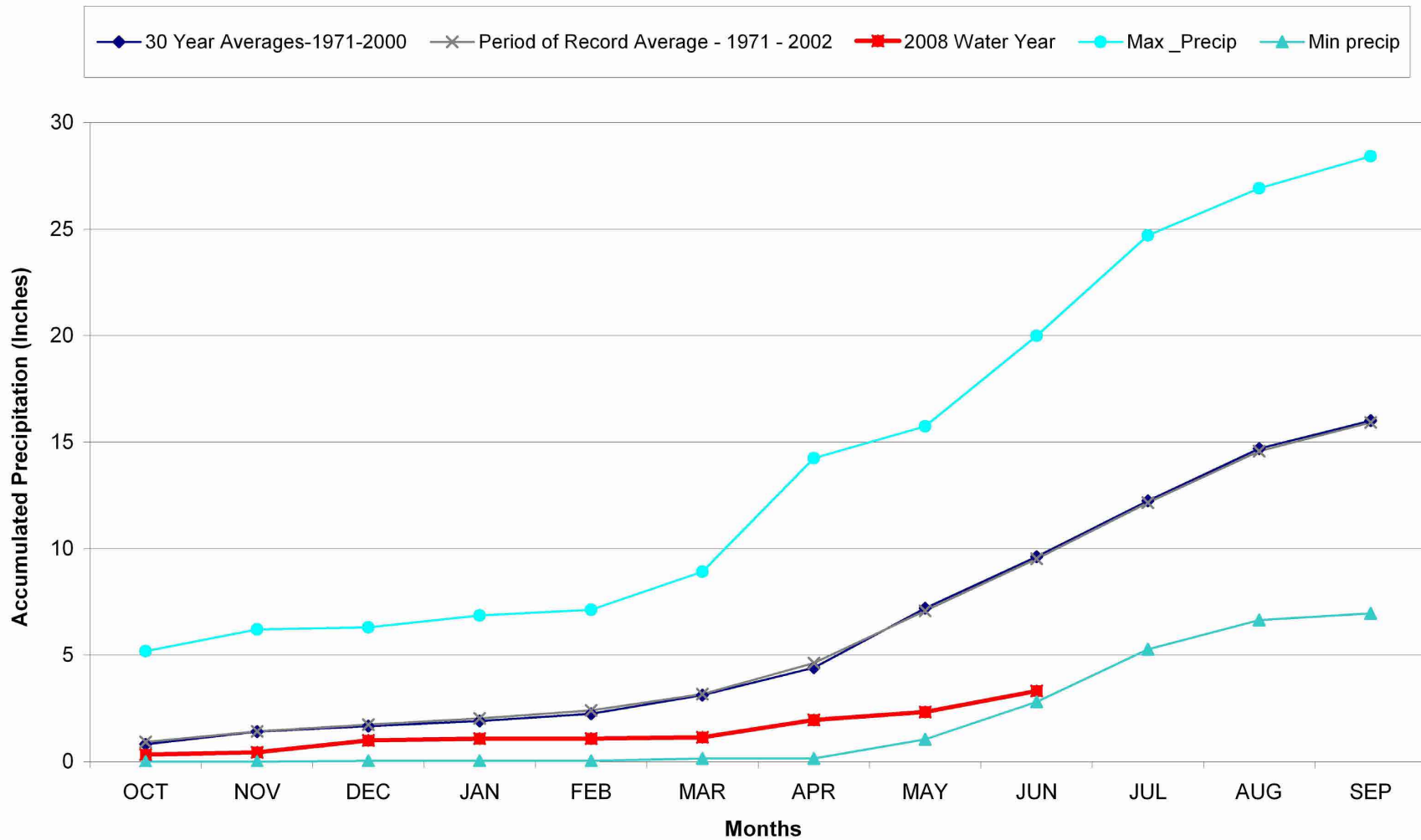
Division 5 – Pueblo

Pueblo WSO 2008 Water Year



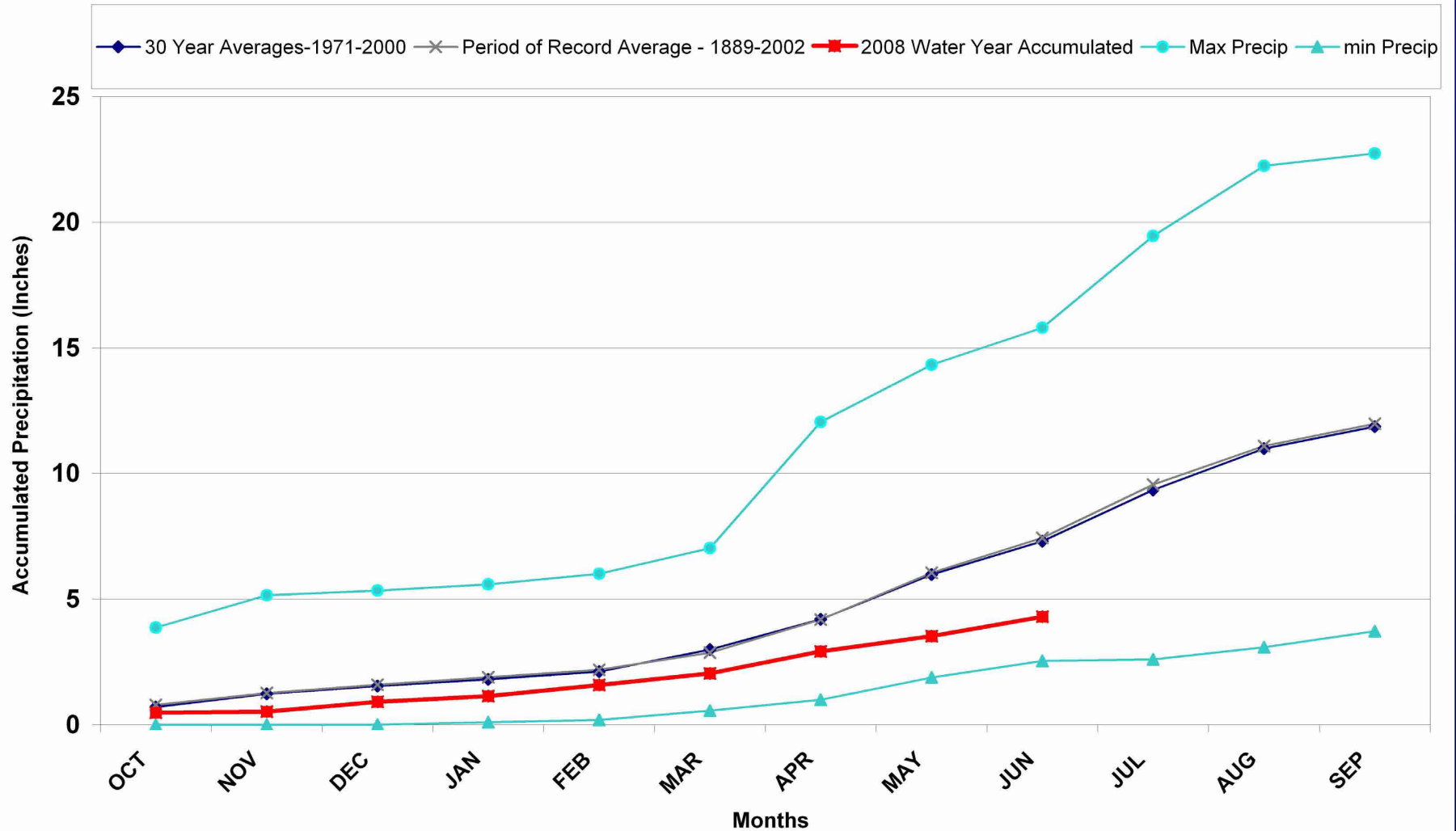
Division 6 – Cheyenne Wells

Cheyenne Wells 2008 Water Year



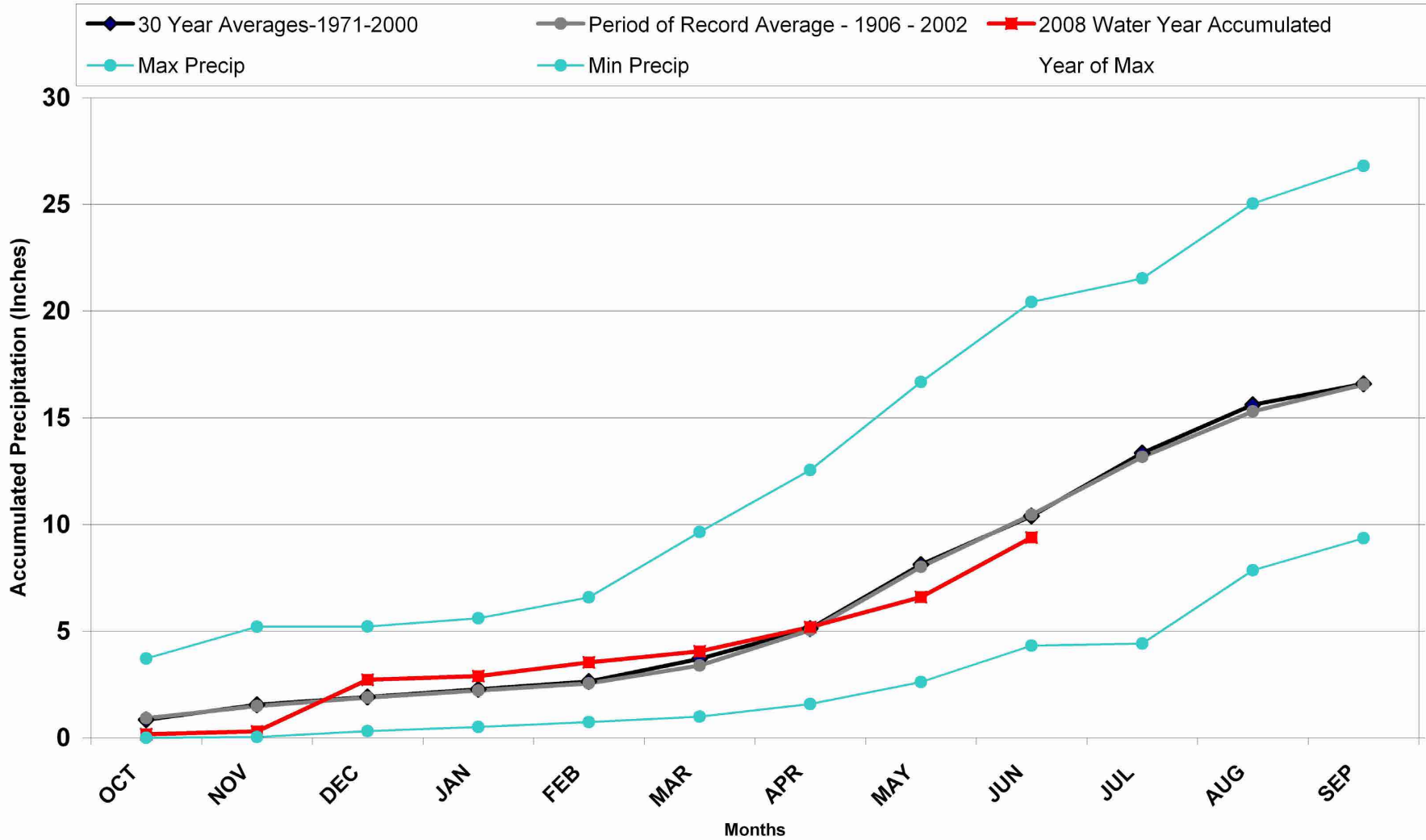
Division 6 – Rocky Ford

Rocky Ford 2008 Water Year



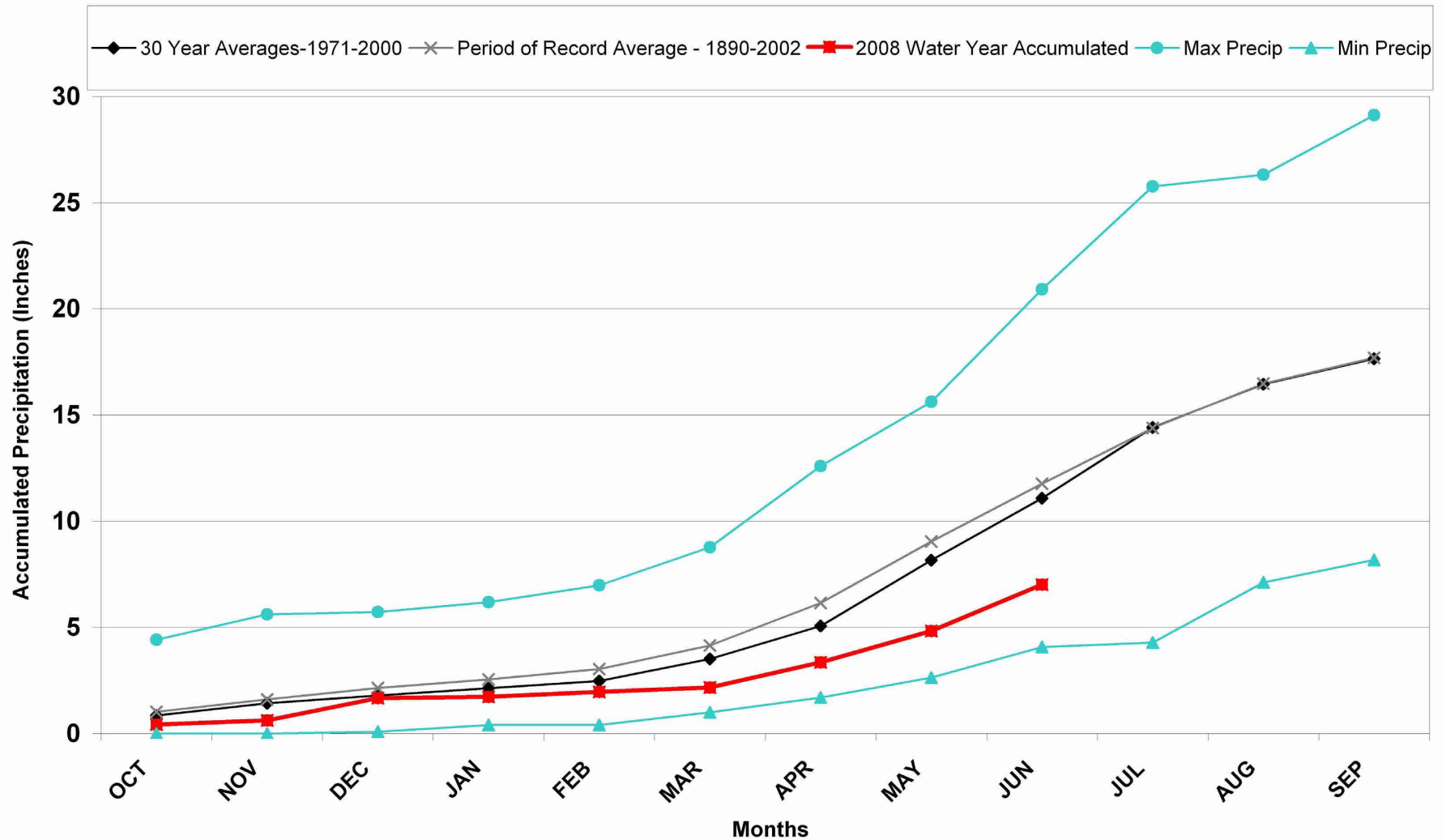
Division 7 – Akron

Akron 4E 2008 Water Year



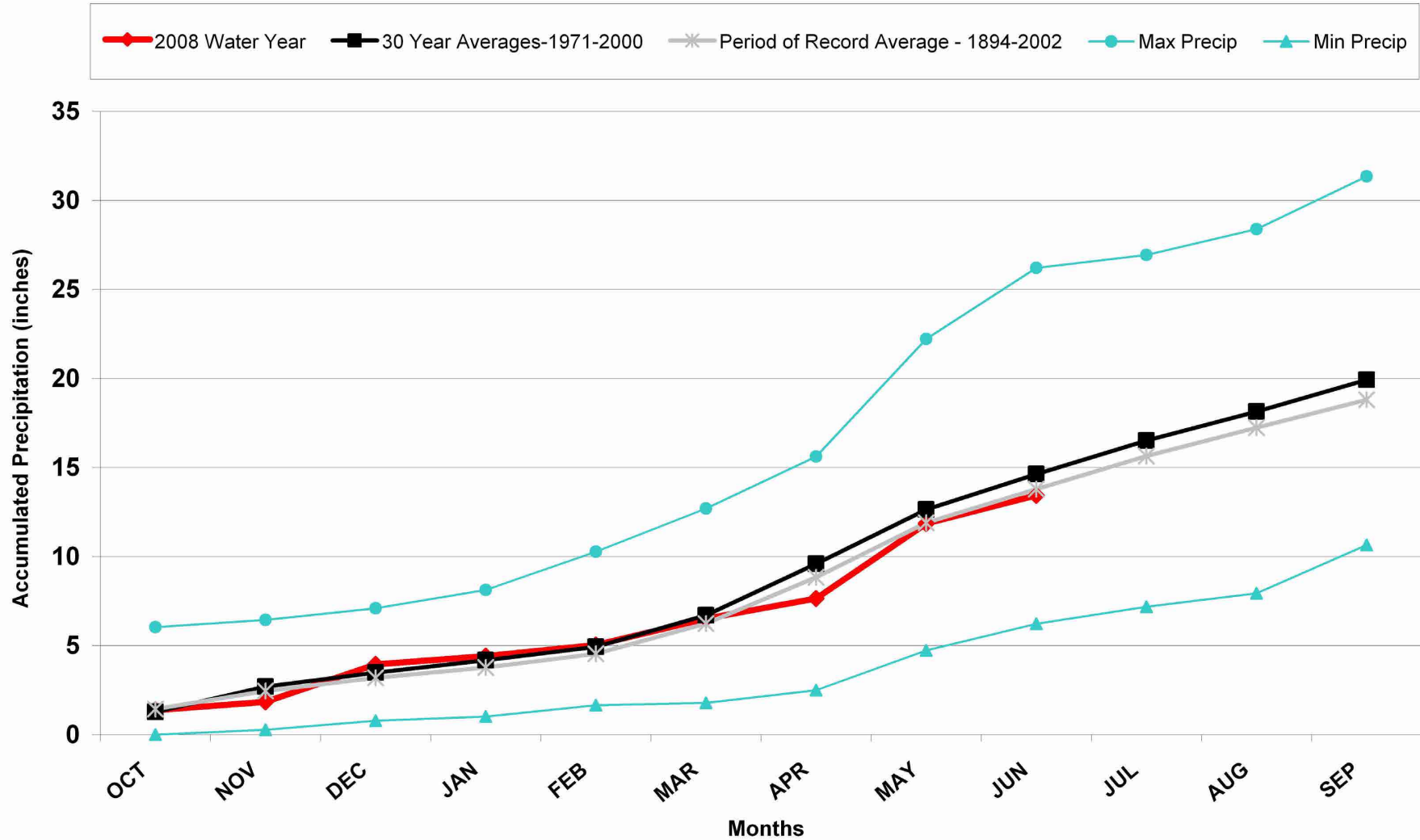
Division 7 – Leroy

Leroy 5SW 2008 Water Year



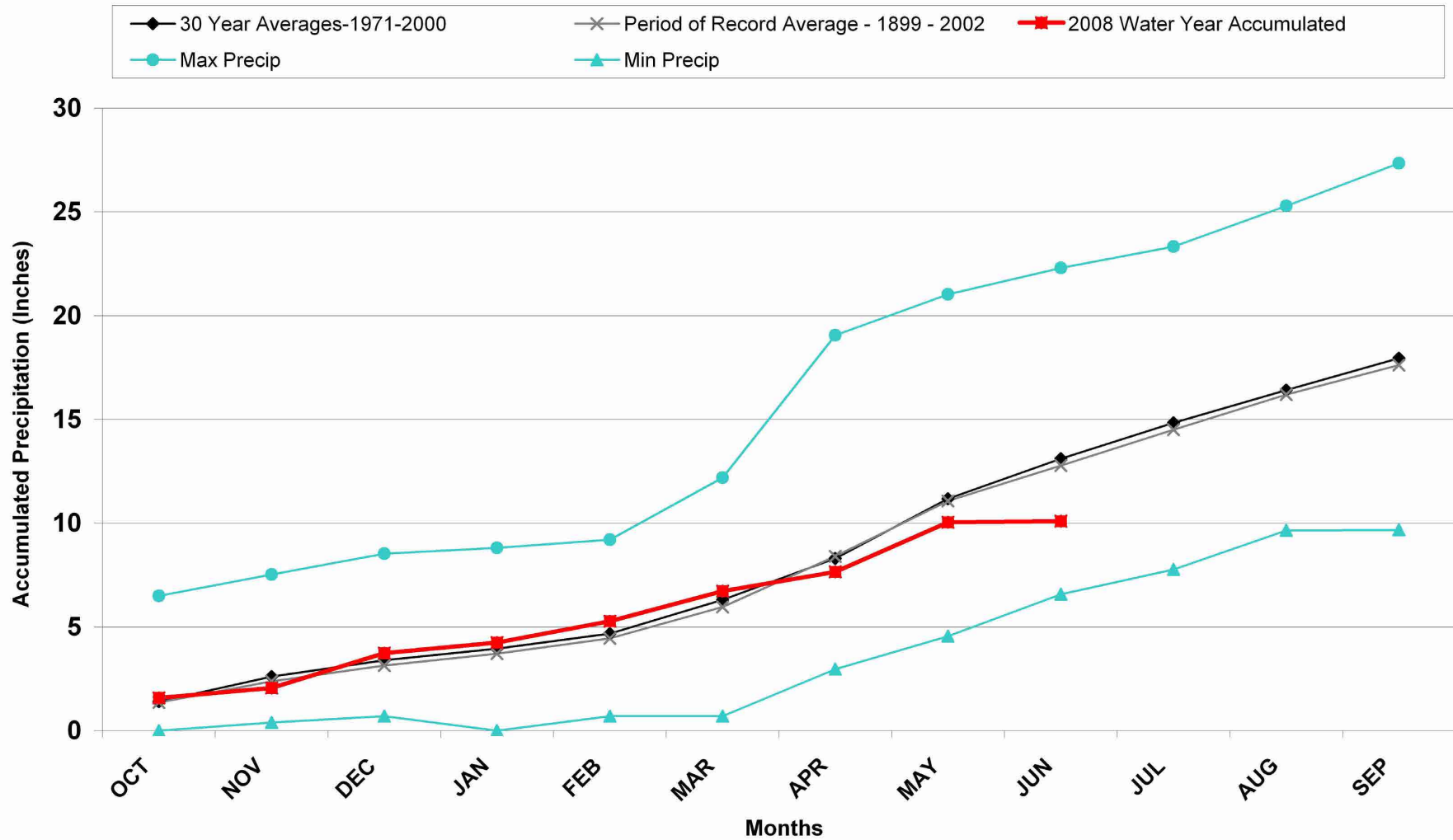
Division 8 – Boulder

Boulder 2008 Water Year



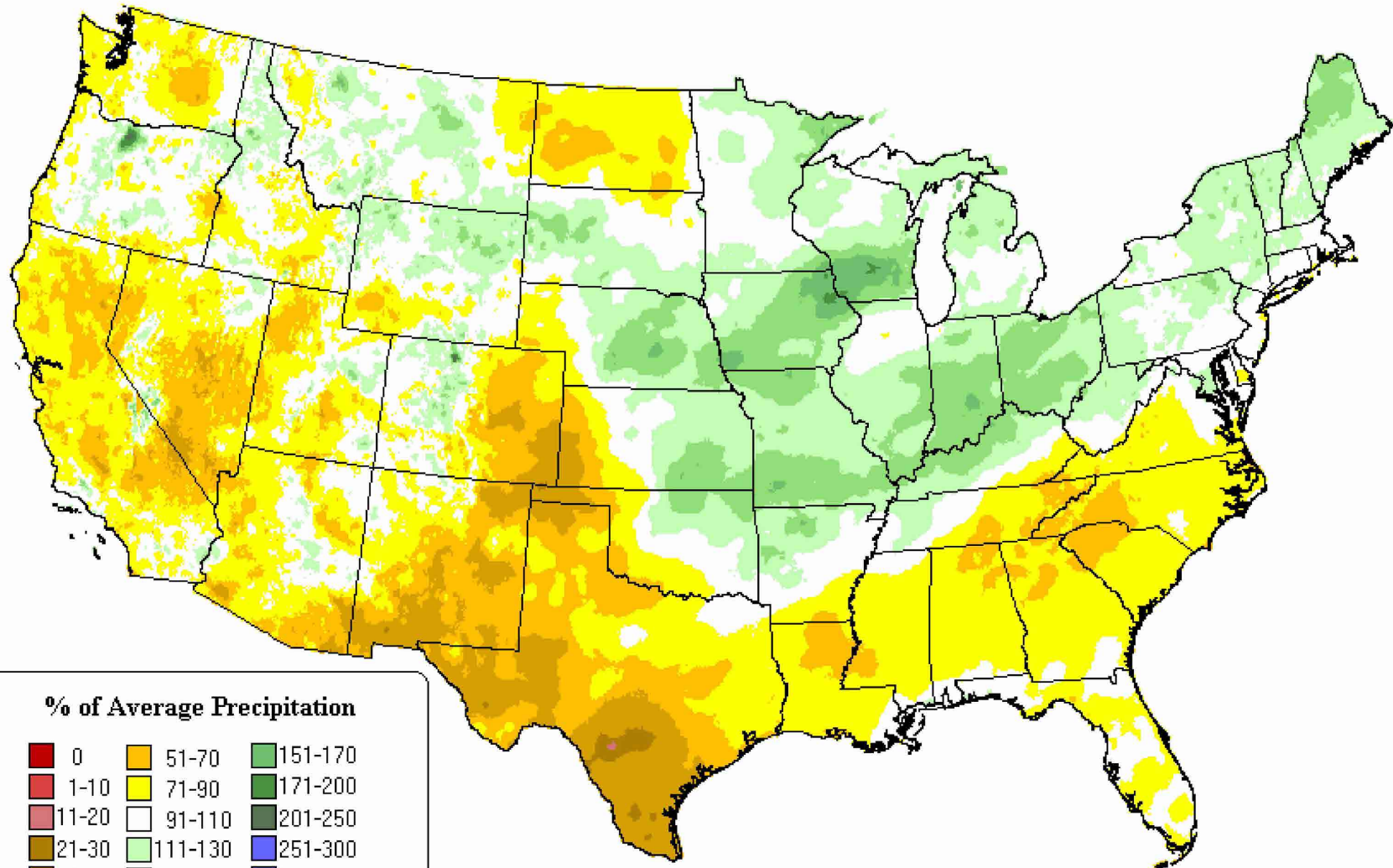
Division 8 – Kassler

Kassler 2008 Water Year

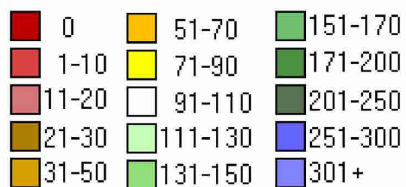


Water Year 2008 (Oct 07-Jun 08) Prism

9-month Percent of Average Precipitation: Jun 2008
Provisional Data

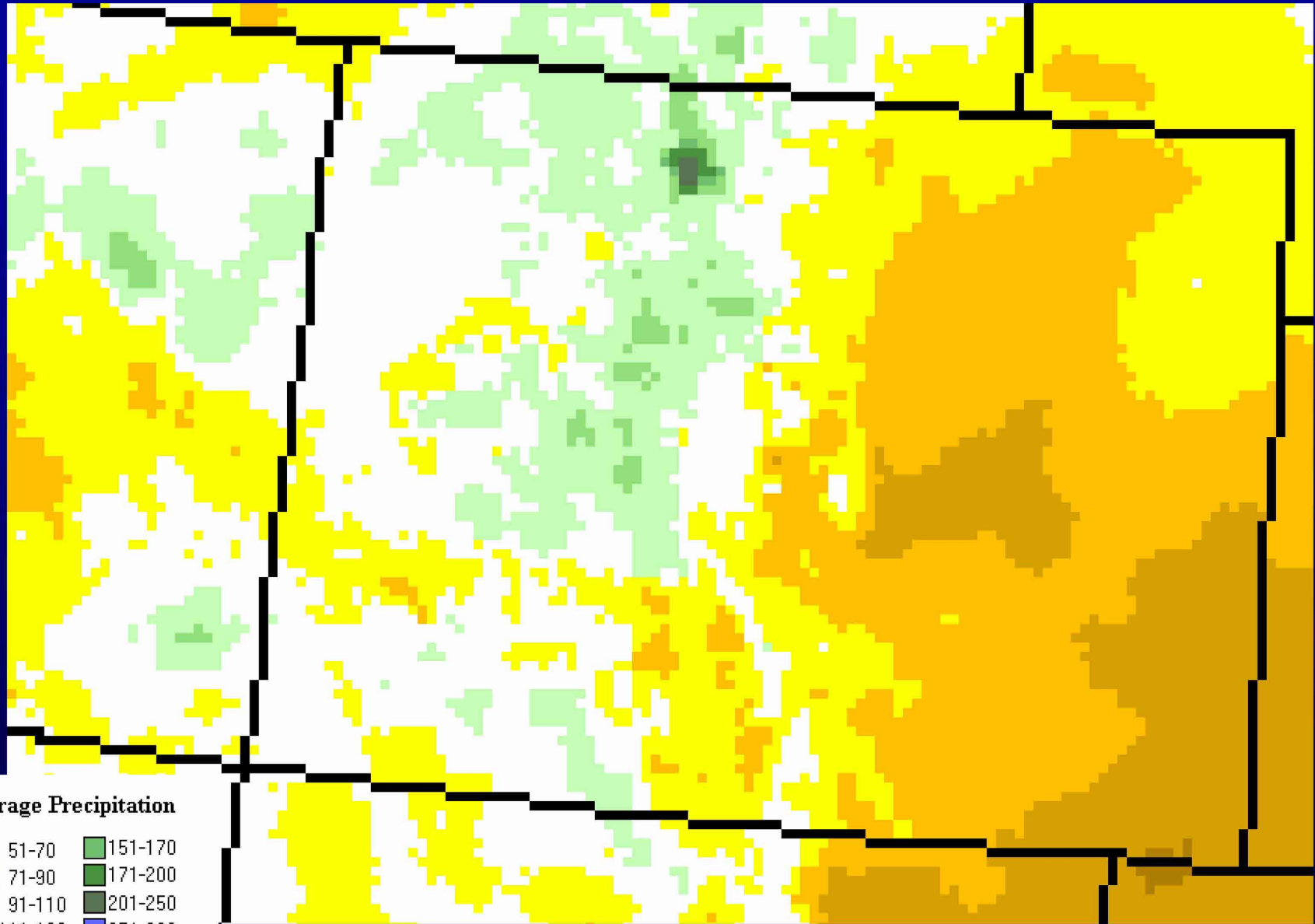


% of Average Precipitation

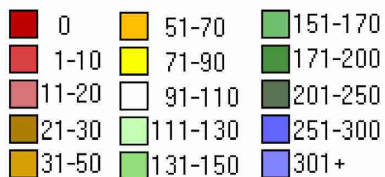


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<http://www.prismclimate.org> - Map created Jul 10 2008

Water Year 2008 (Oct 07-Jun 08) Prism



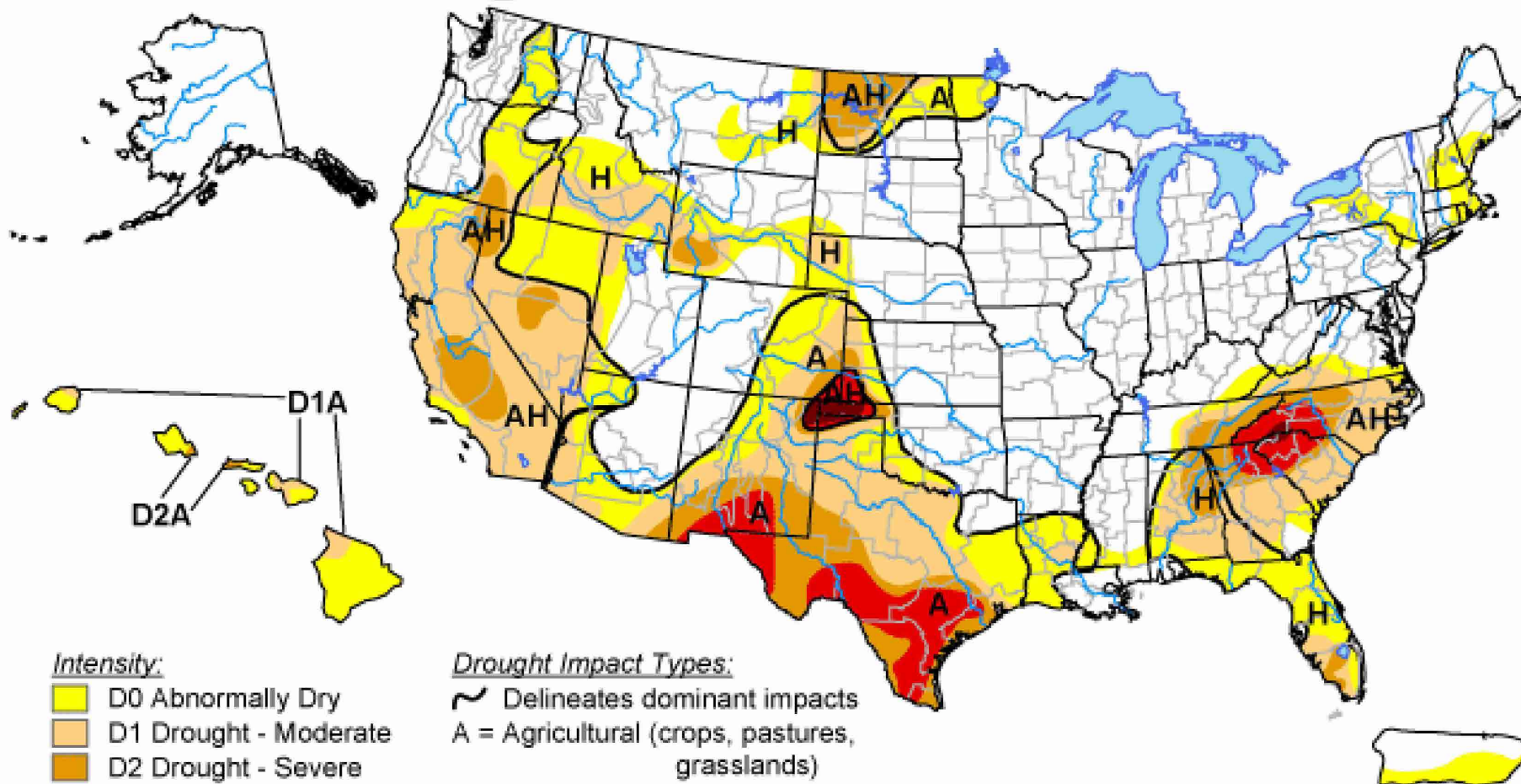
% of Average Precipitation








U.S. Drought Monitor

June 17, 2008


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>



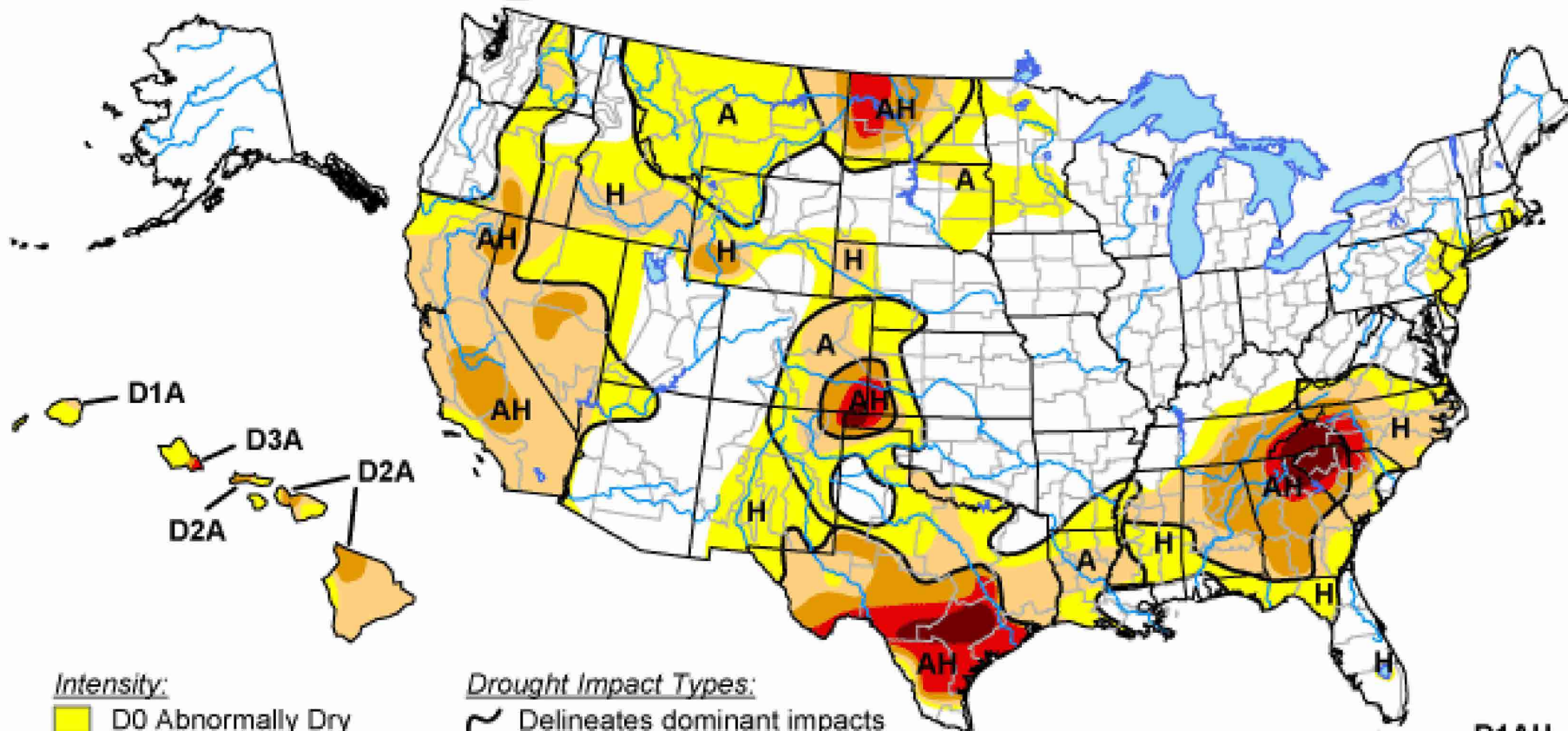
Released Thursday, June 19, 2008

Author: Rich Tinker, CPC/NOAA

U.S. Drought Monitor

July 22, 2008

Valid 8 a.m. EDT



Intensity:

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

Drought Impact Types:

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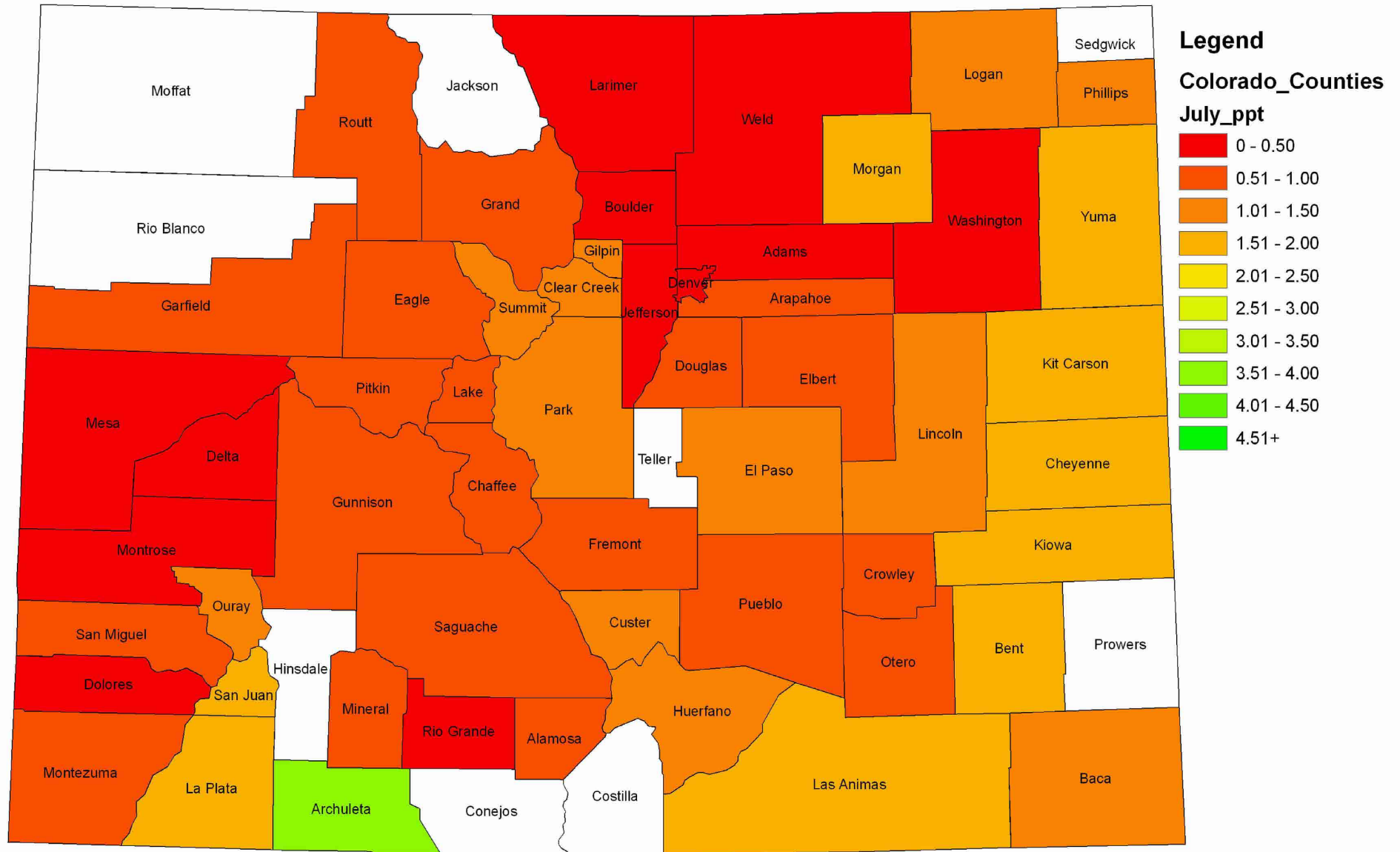


Released Thursday, July 24, 2008

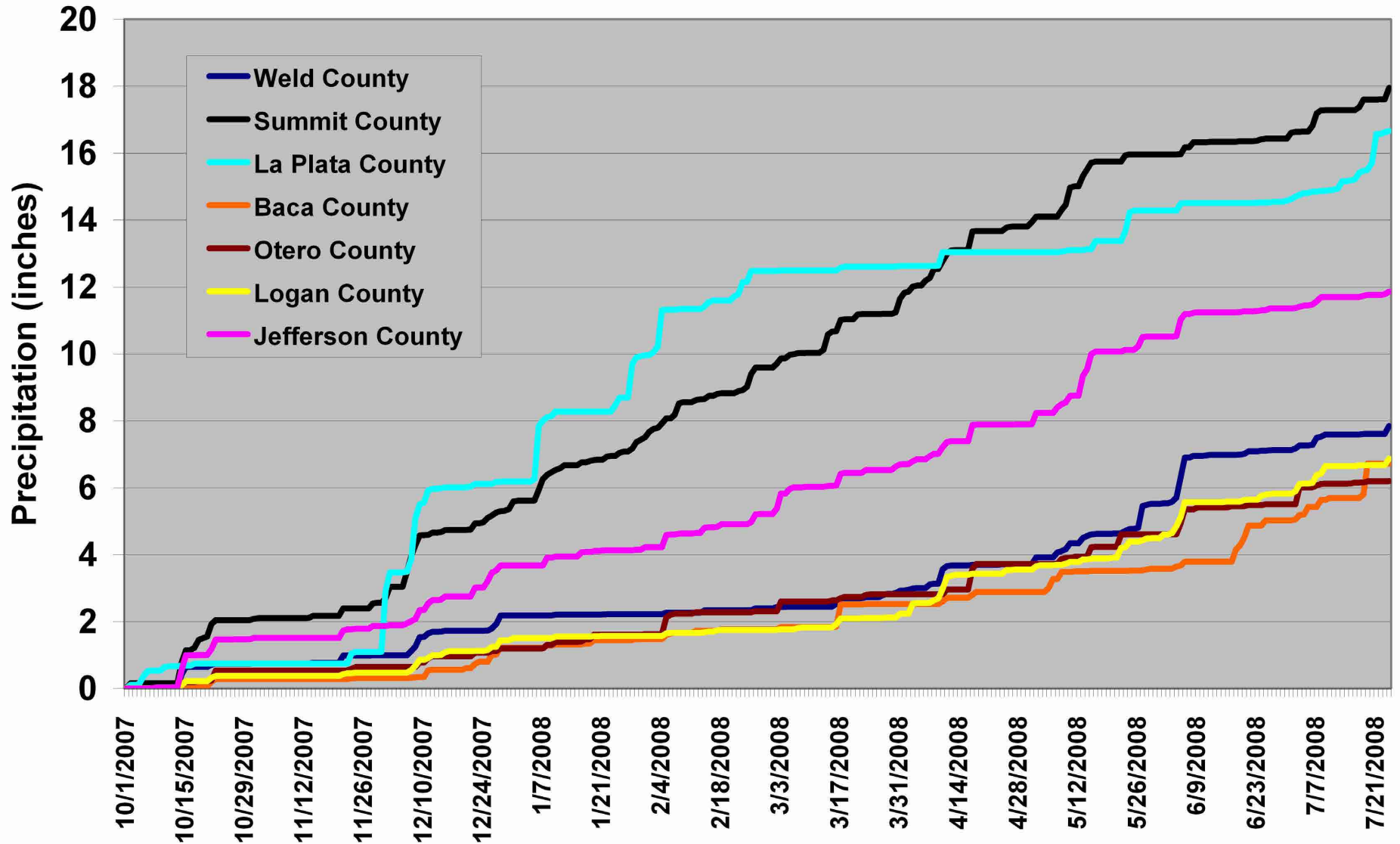
Author: Brad Rippey, U.S. Department of Agriculture

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

July 1-24, 2008 CoCoRaHS Accumulated Precipitation



CoCoRAHS Accumulated Precipitation for Selected Counties: October 1, 2007 through Jul 24, 2008



Summary

- June temperatures remain near average, recent July temperatures have been hot
- Major storm early June crossed northern Colorado, remainder of month and State were very dry
- July precipitation well below average so far, except portions of east-central and southwest Colorado
- Evapotranspiration rates have been very high
- Drought conditions expanding over eastern Colorado. Short term drying over most of State

Colorado Climate Center

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

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

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