

Climate Update

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Colorado Climate Center**

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Colorado State University**

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

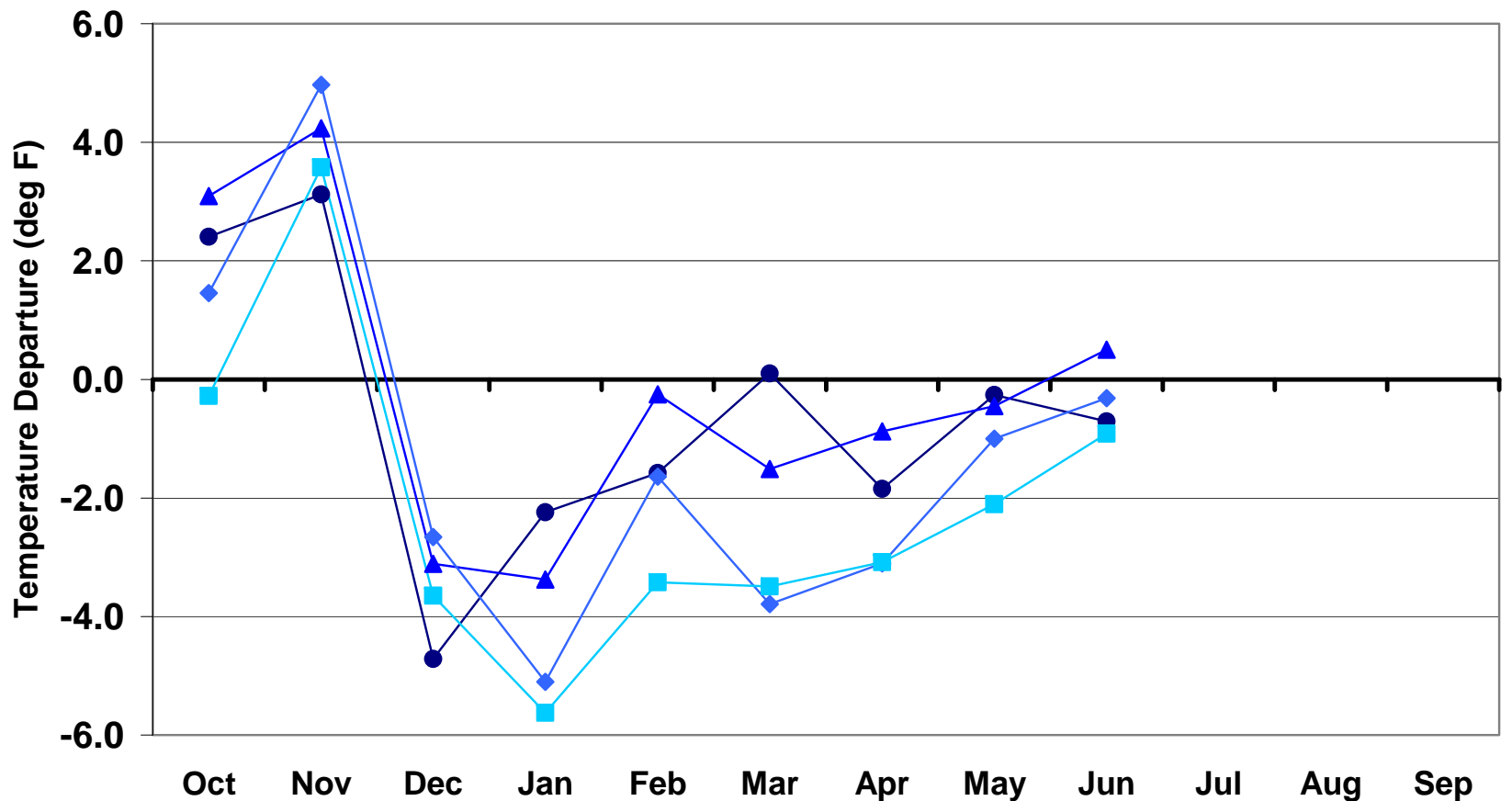
Prepared by Odie Bliss



**Colorado
State
University**
Knowledge to Go Places

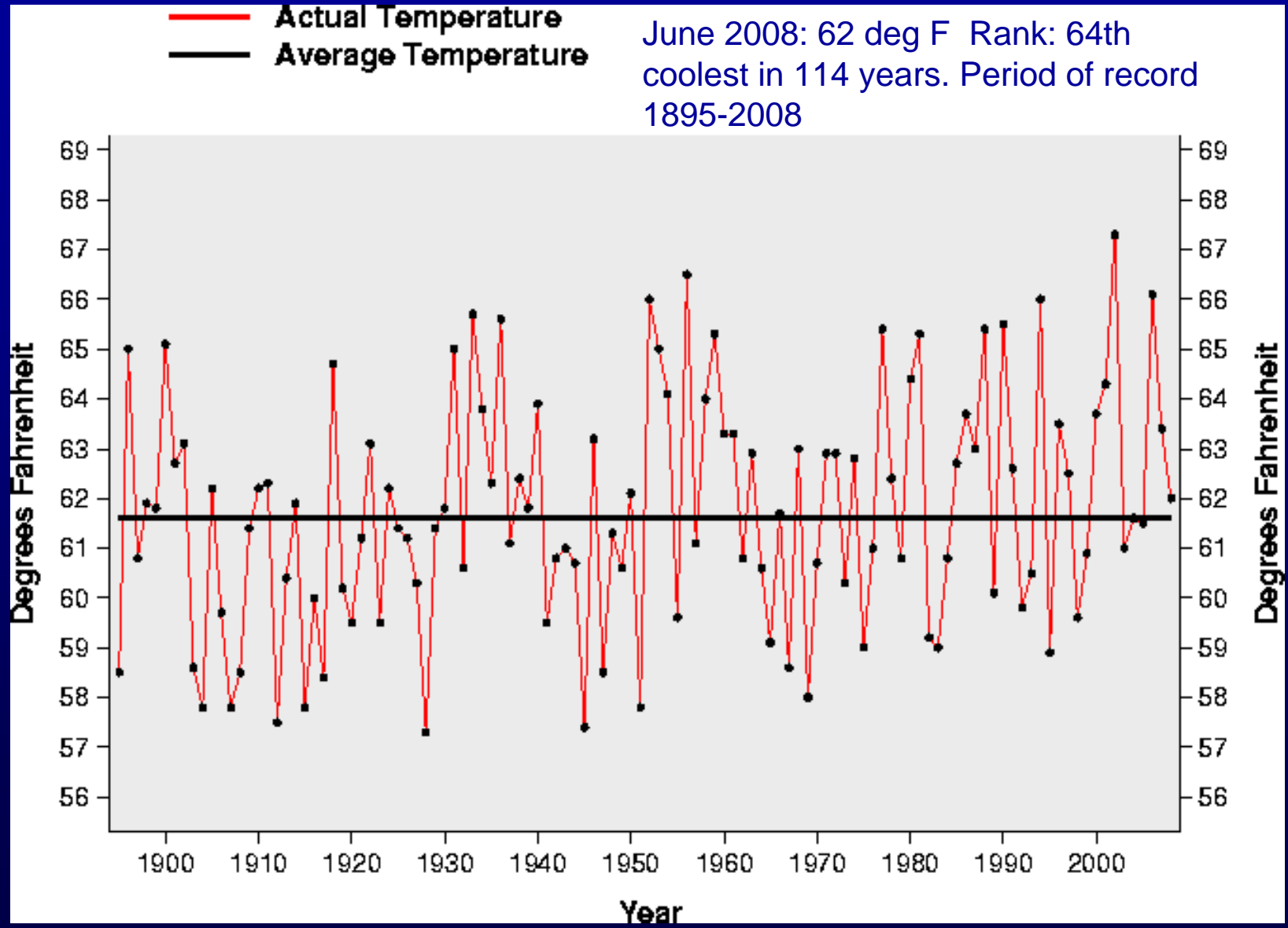
Water Year 2008 Temperature Departures

Water Year 2008



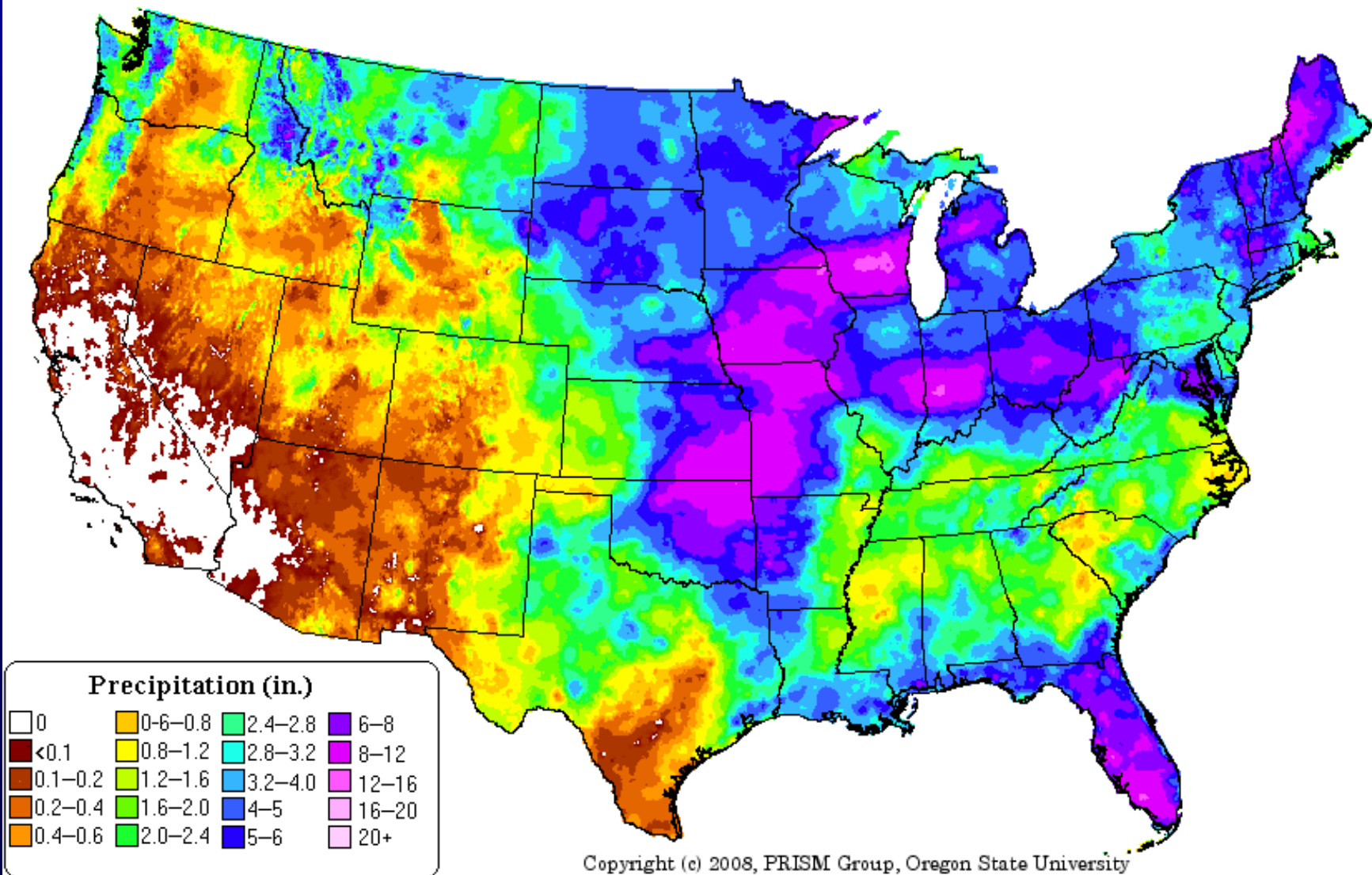
● Eastern Plains ▲ Foothills ◆ Mountains ■ Western Valleys

June Average Temperature History for Colorado (NCDC)



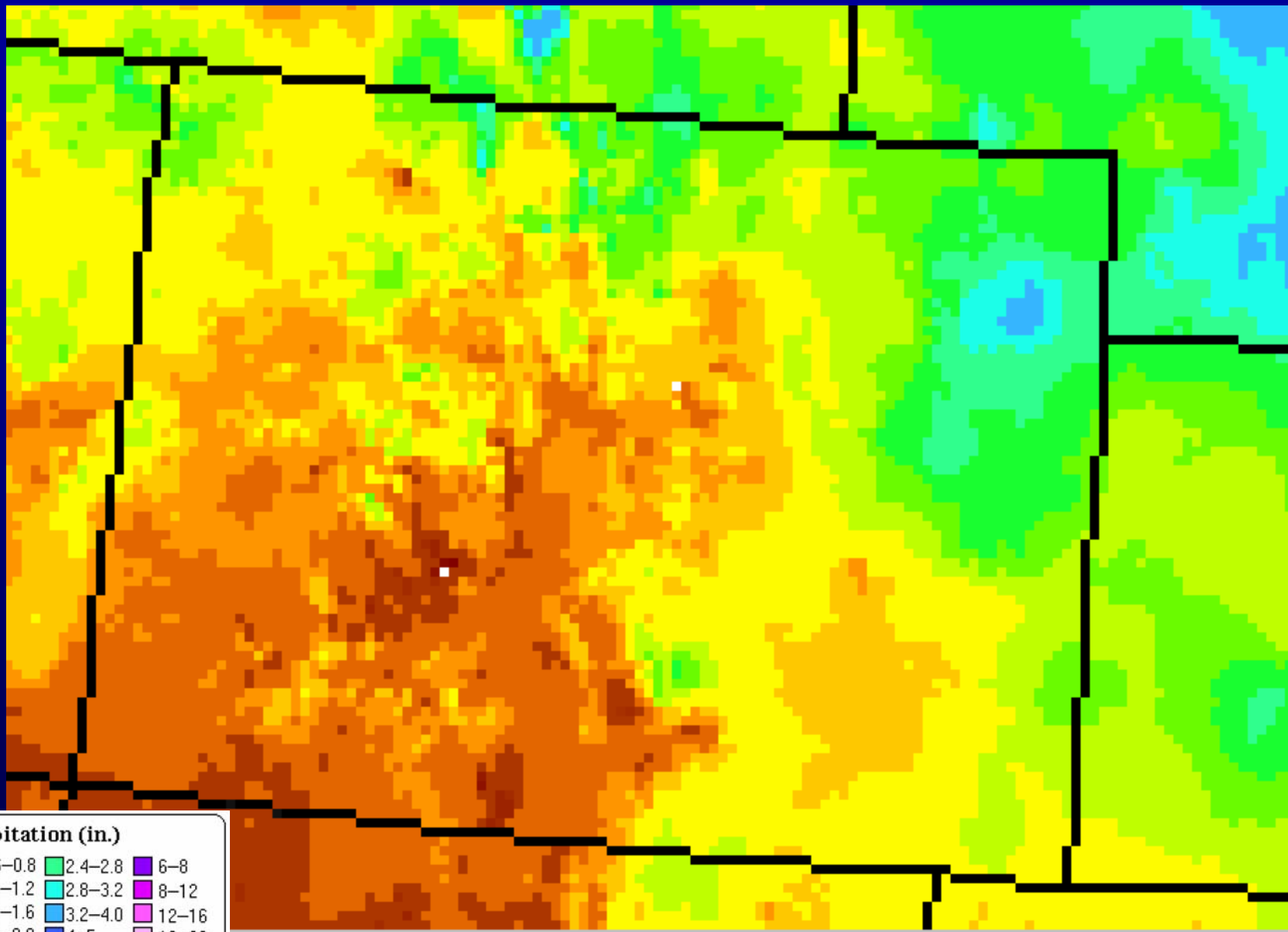
June 2008 Precipitation (inches)

Precipitation: Jun 2008
Provisional Data

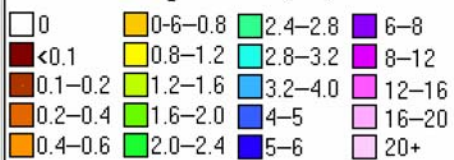


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<http://www.prismclimate.org> - Map created Jul 09 2008

June 2008 Precipitation (inches)

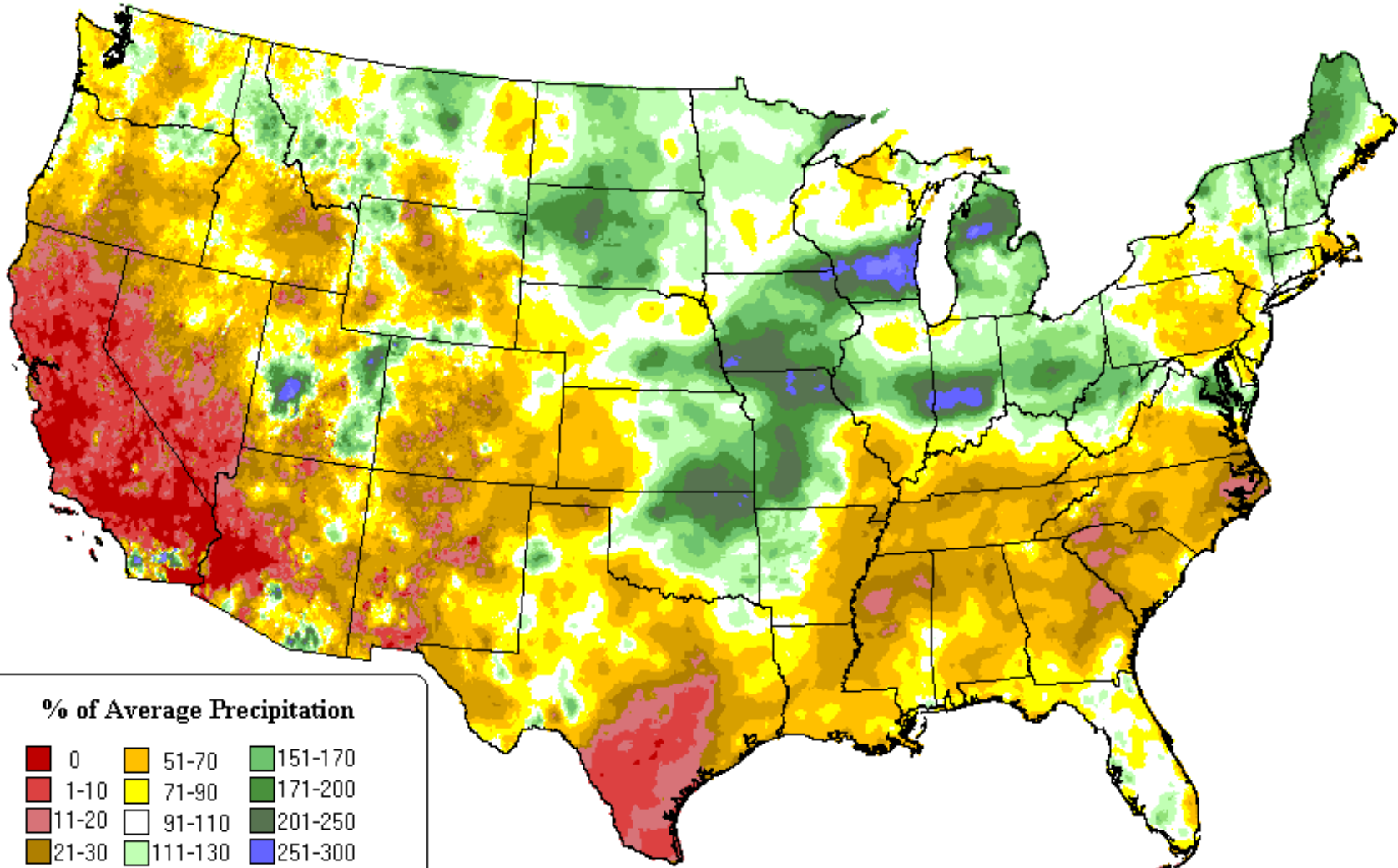


Precipitation (in.)

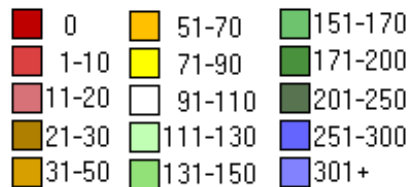


June 2008 Percent of Average (Prism)

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

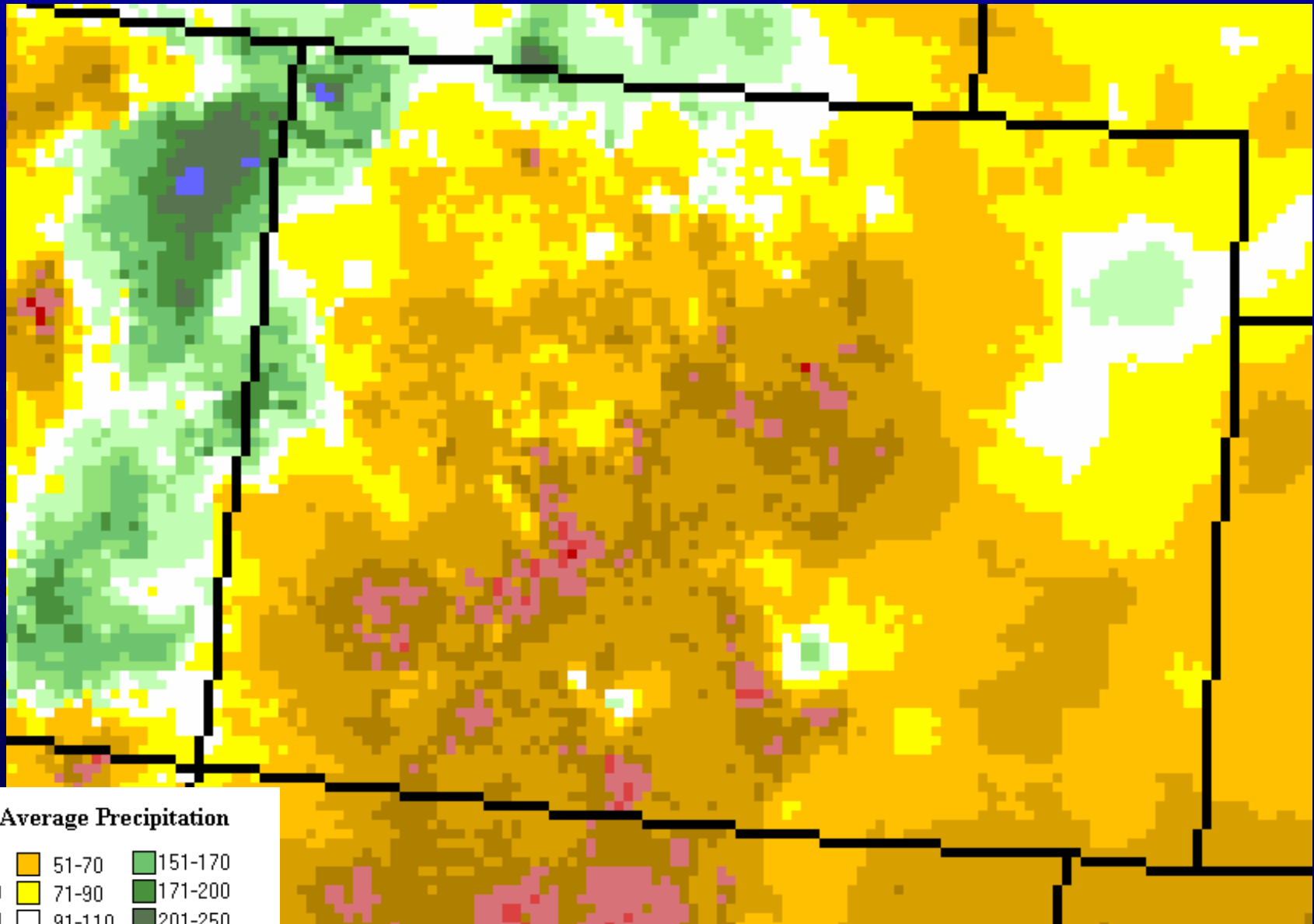


% of Average Precipitation

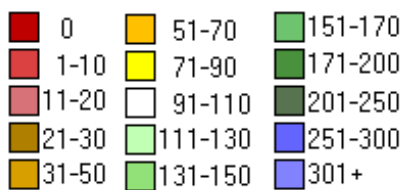


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<http://www.prismclimate.org> - Map created Jul 10 2008

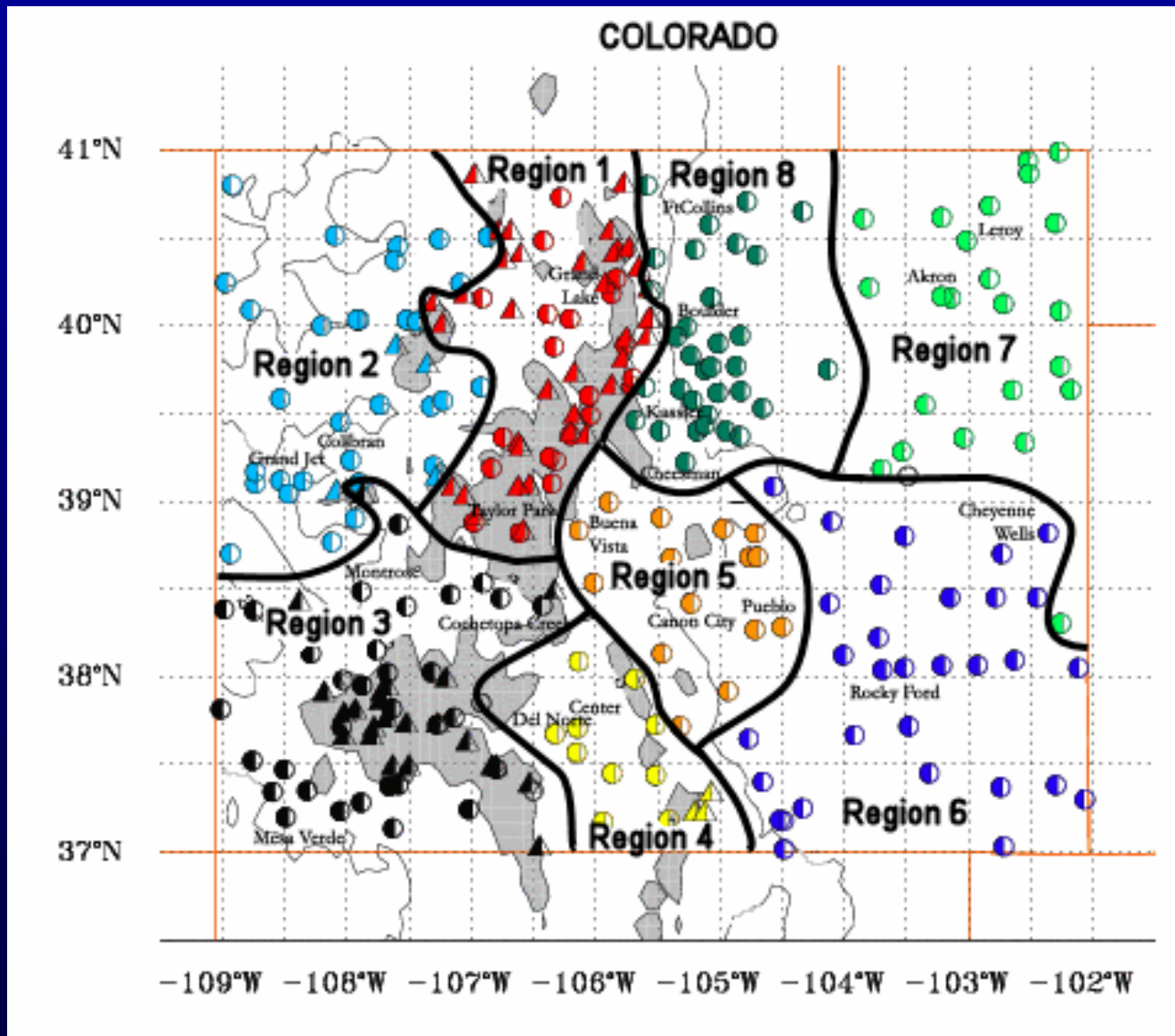
June 2008 Percent of Average (Prism)



% of Average Precipitation

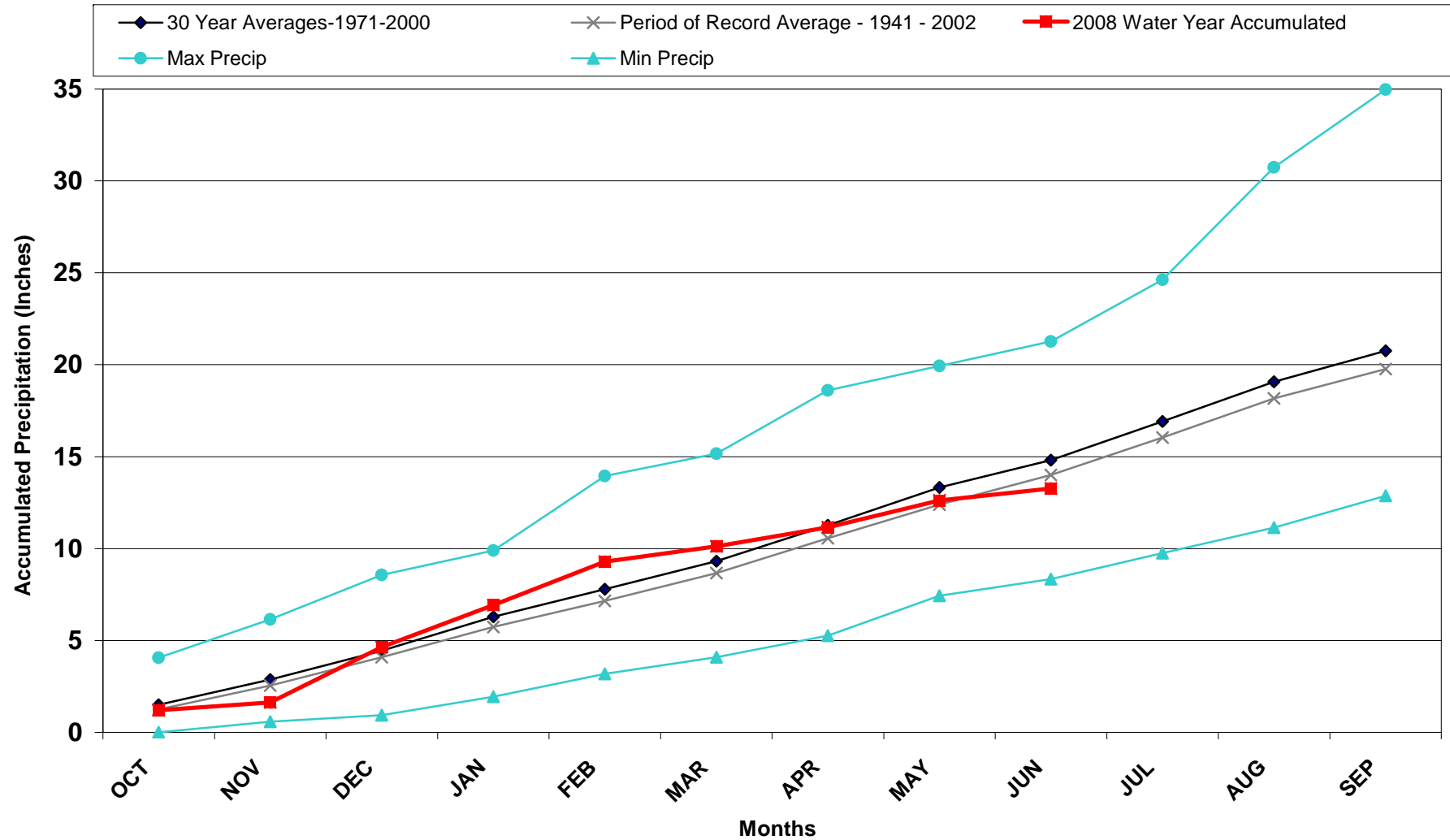


Climate divisions defined by Dr. Klaus Wolter of NOAA's Climate Diagnostic Center in Boulder, CO



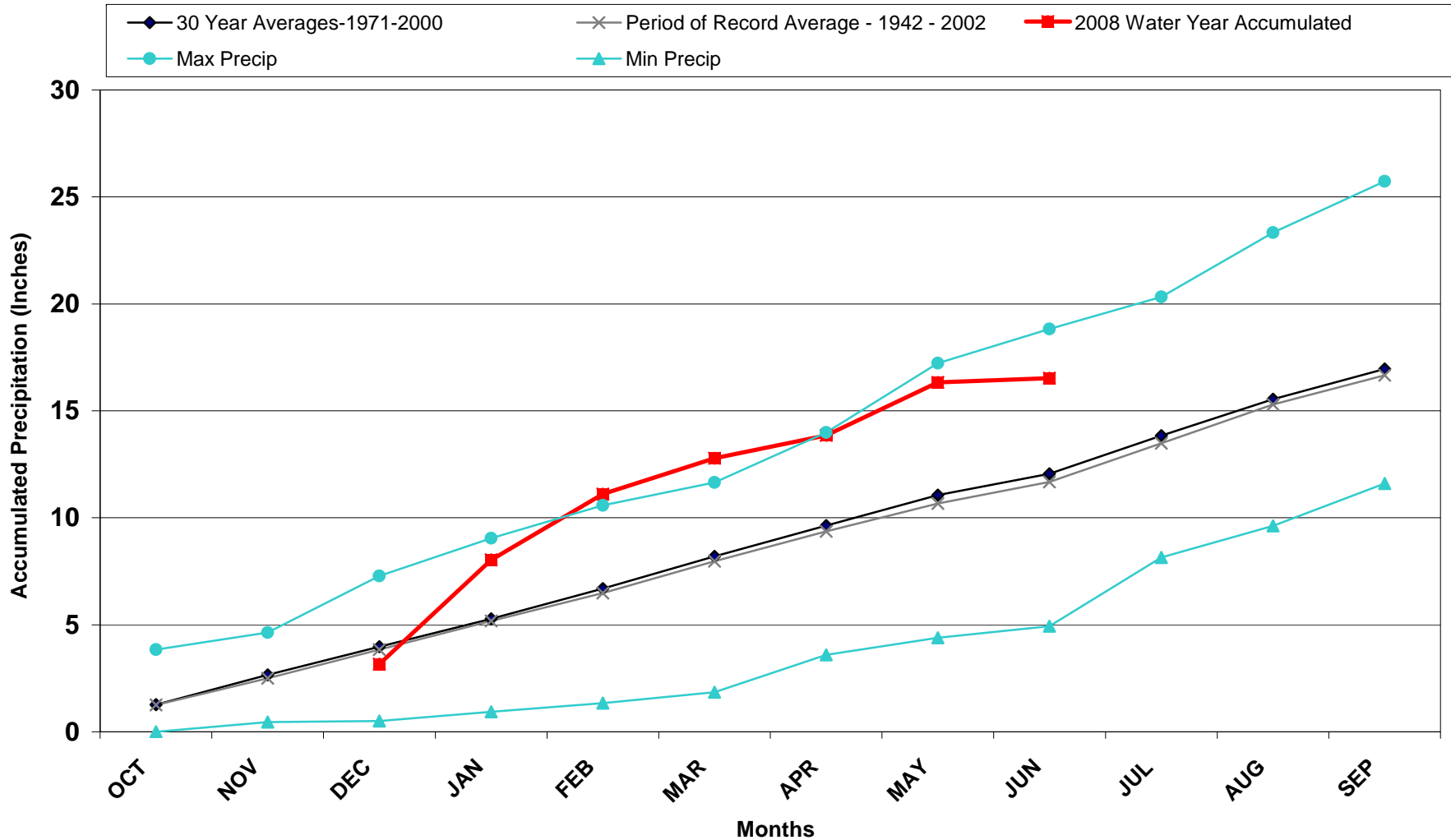
Division 1 – Grand Lake 1NW

Grand Lake 1 NW 2008 Water Year Accumulated



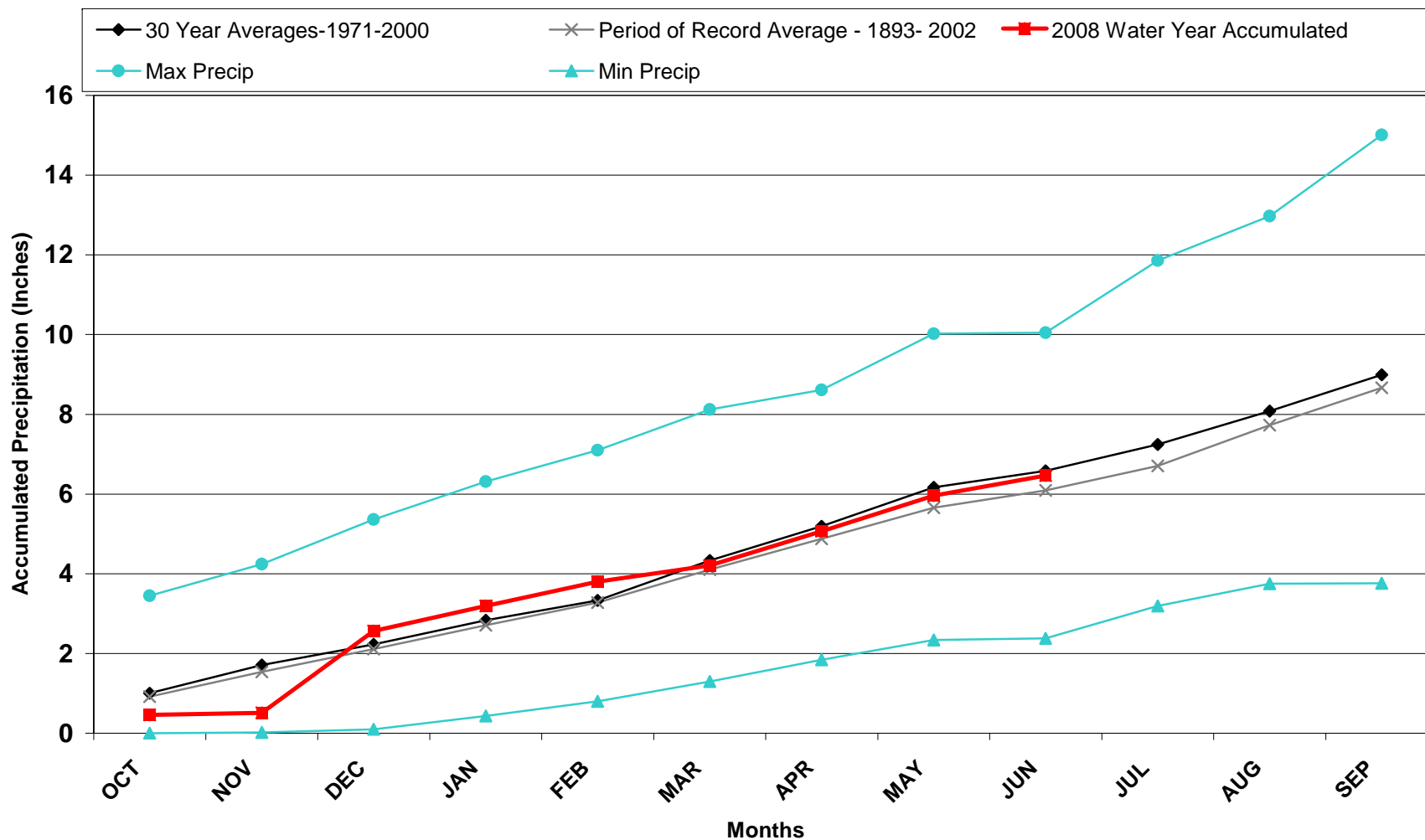
Division 1 – Taylor Park

Taylor Park 2008 Water Year



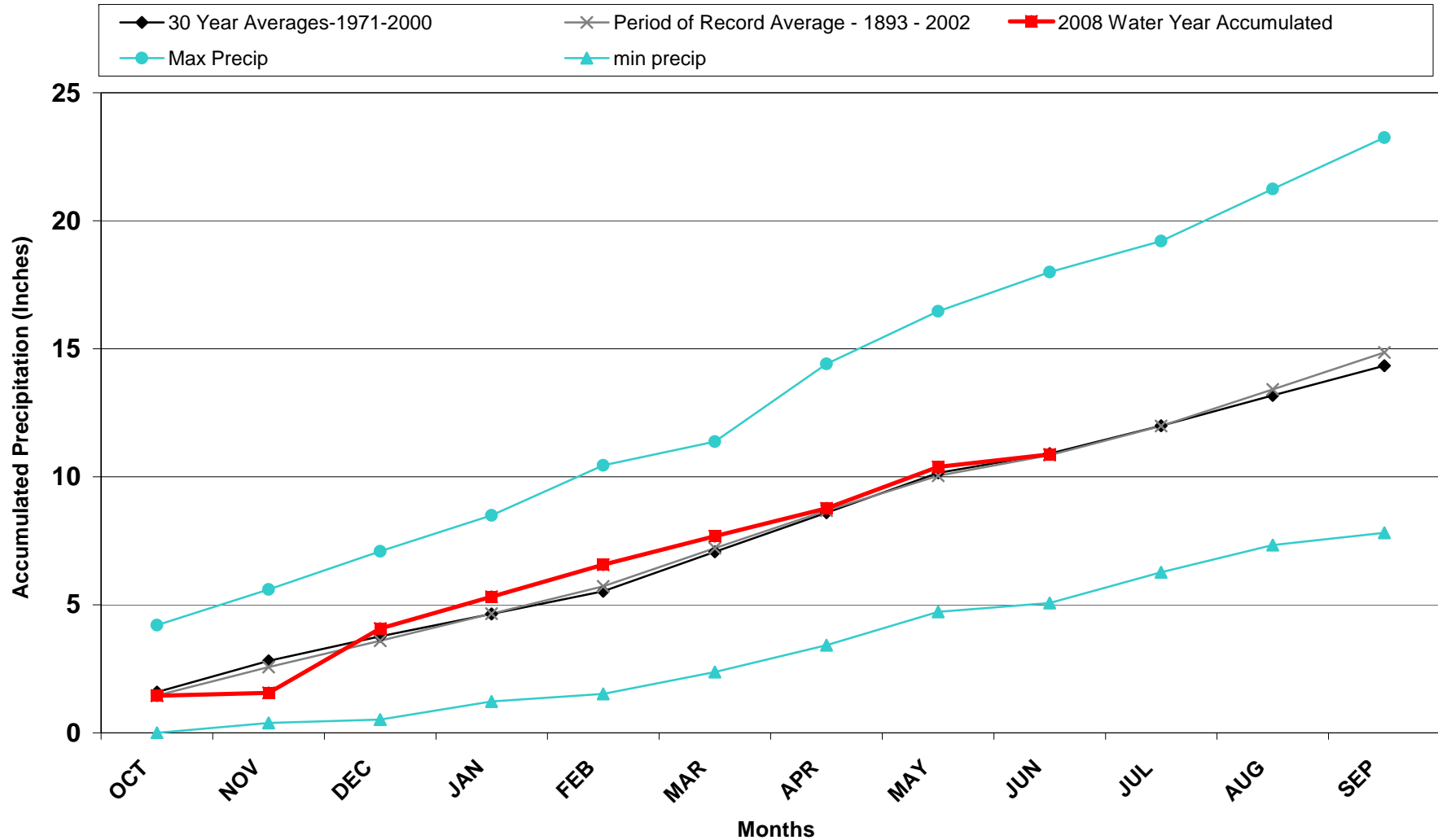
Division 2 – Grand Junction

Grand Junction WSFO 2008 Water Year



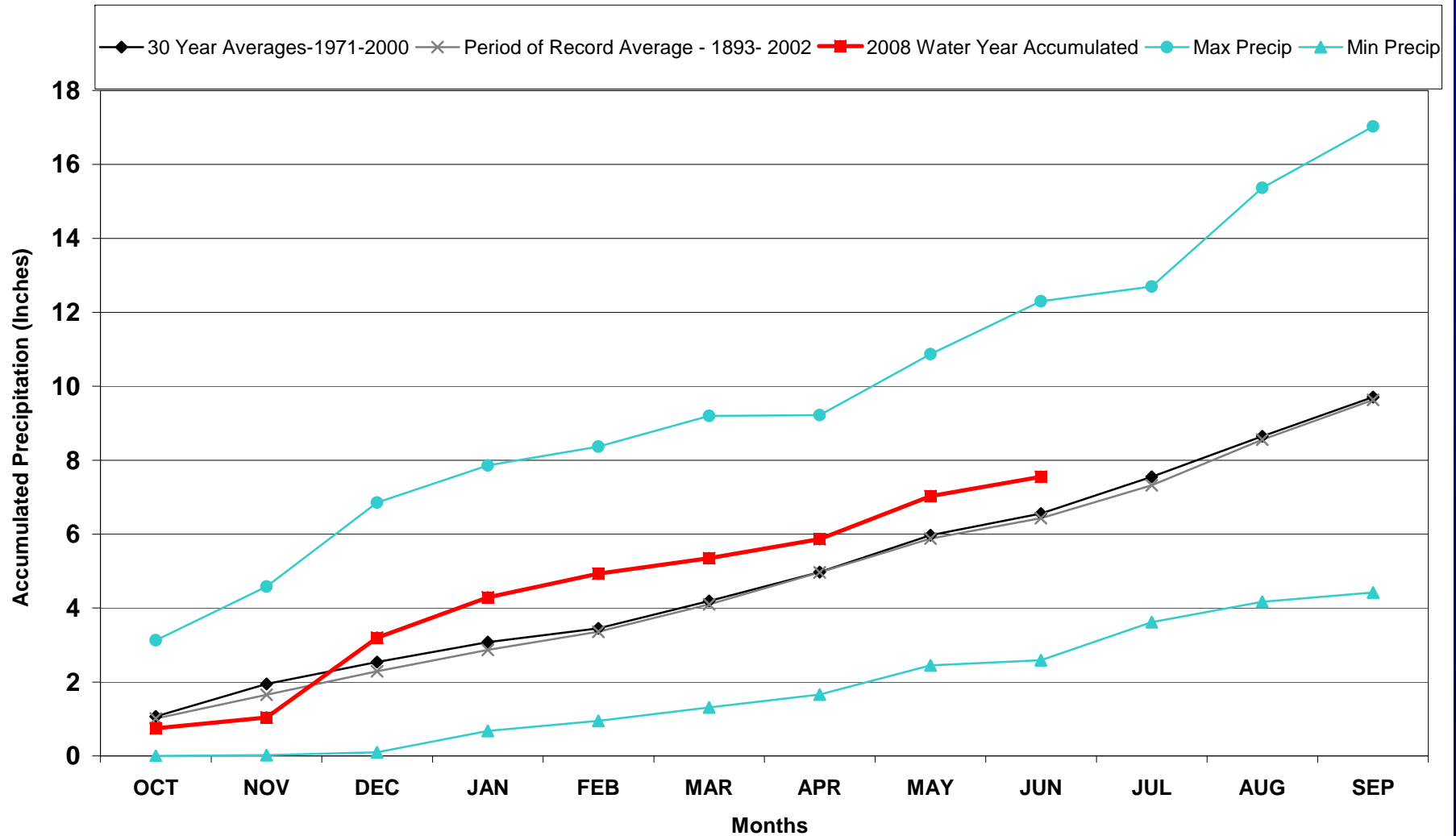
Division 2 – Collbran

Collbran 2SW 2008 Water Year



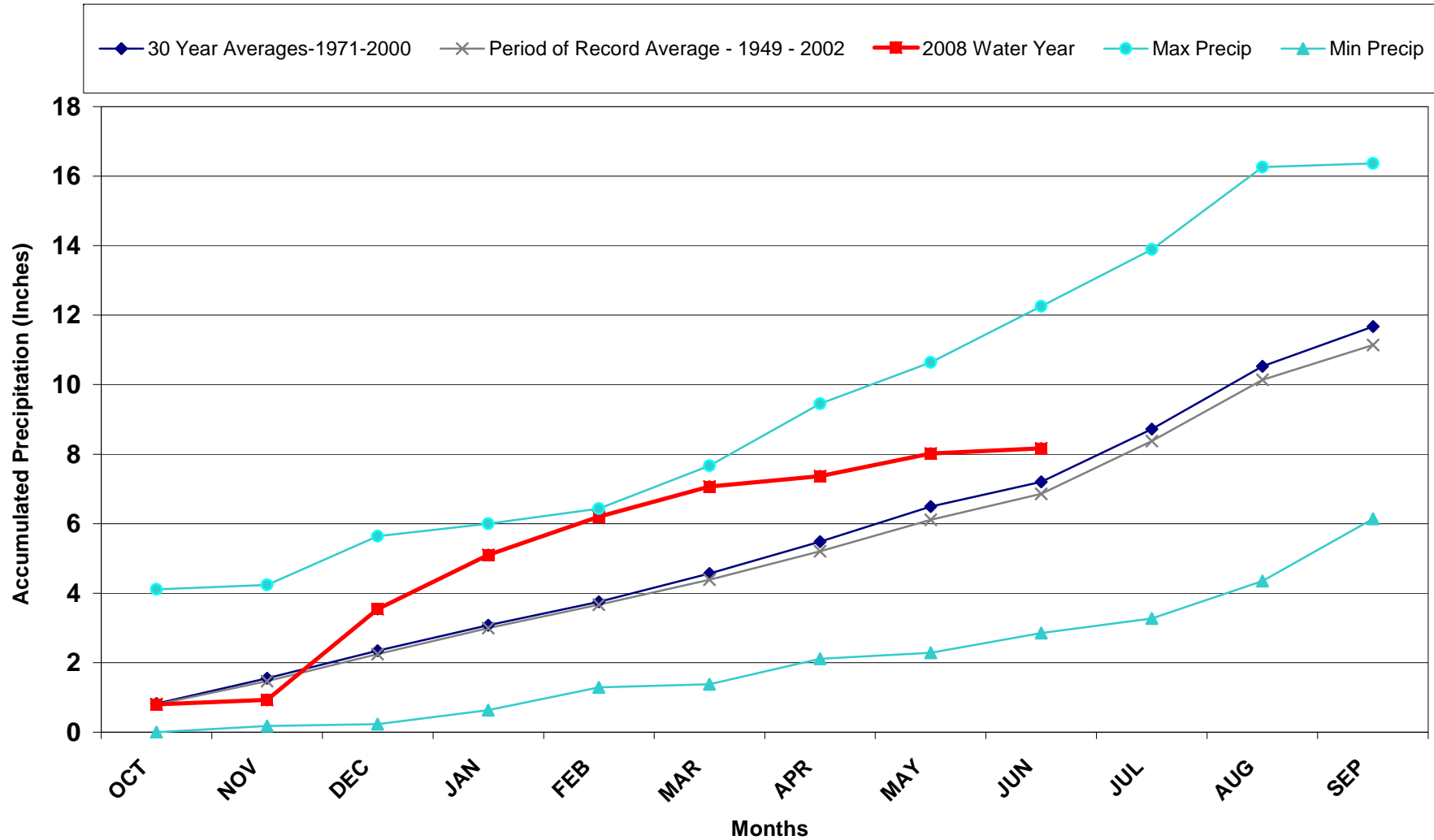
Division 3 – Montrose

Montrose #2 2008 Water Year



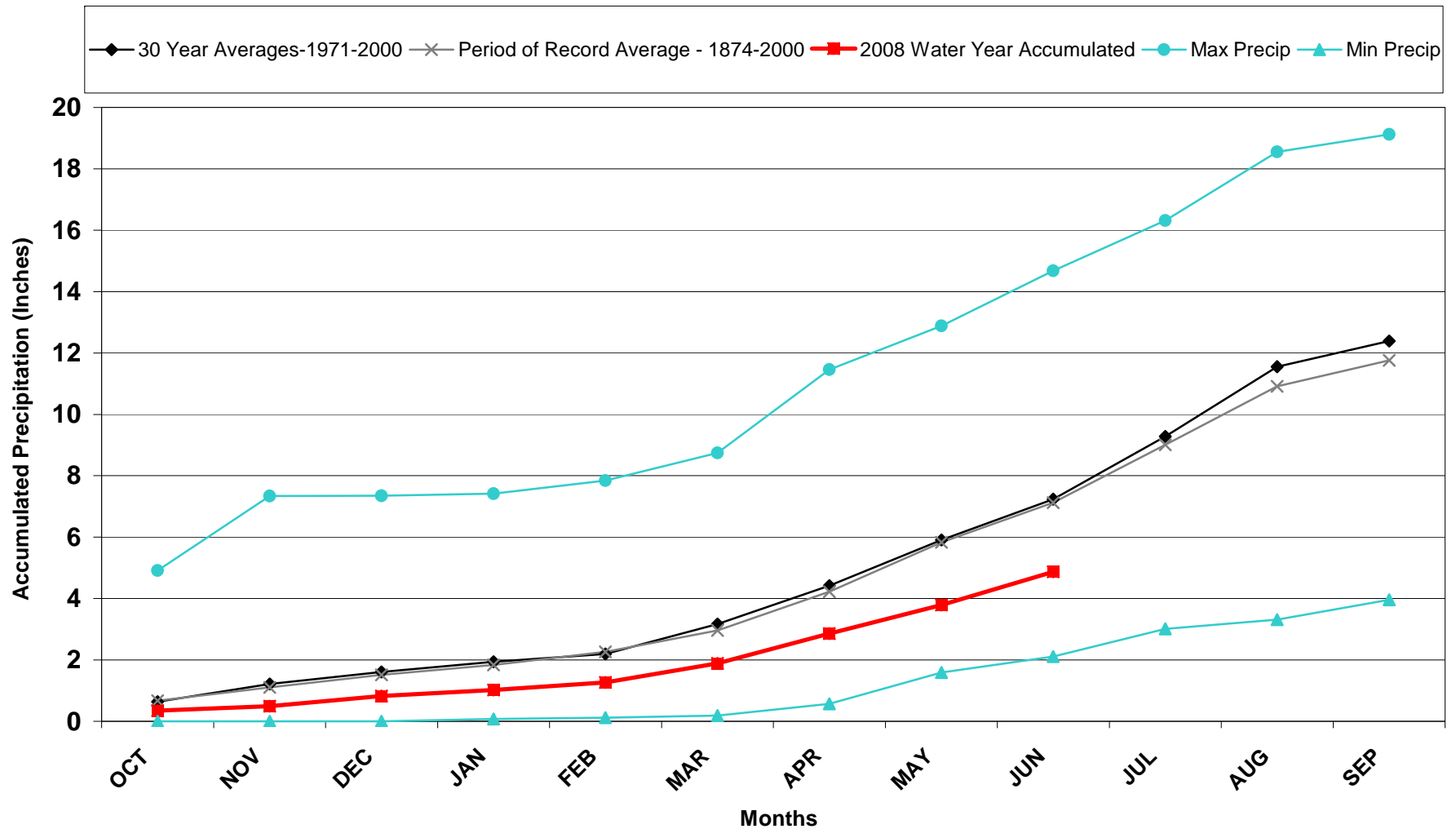
Division 3 – Cochetopa Creek

Cochetopa Creek 2008 Water Year



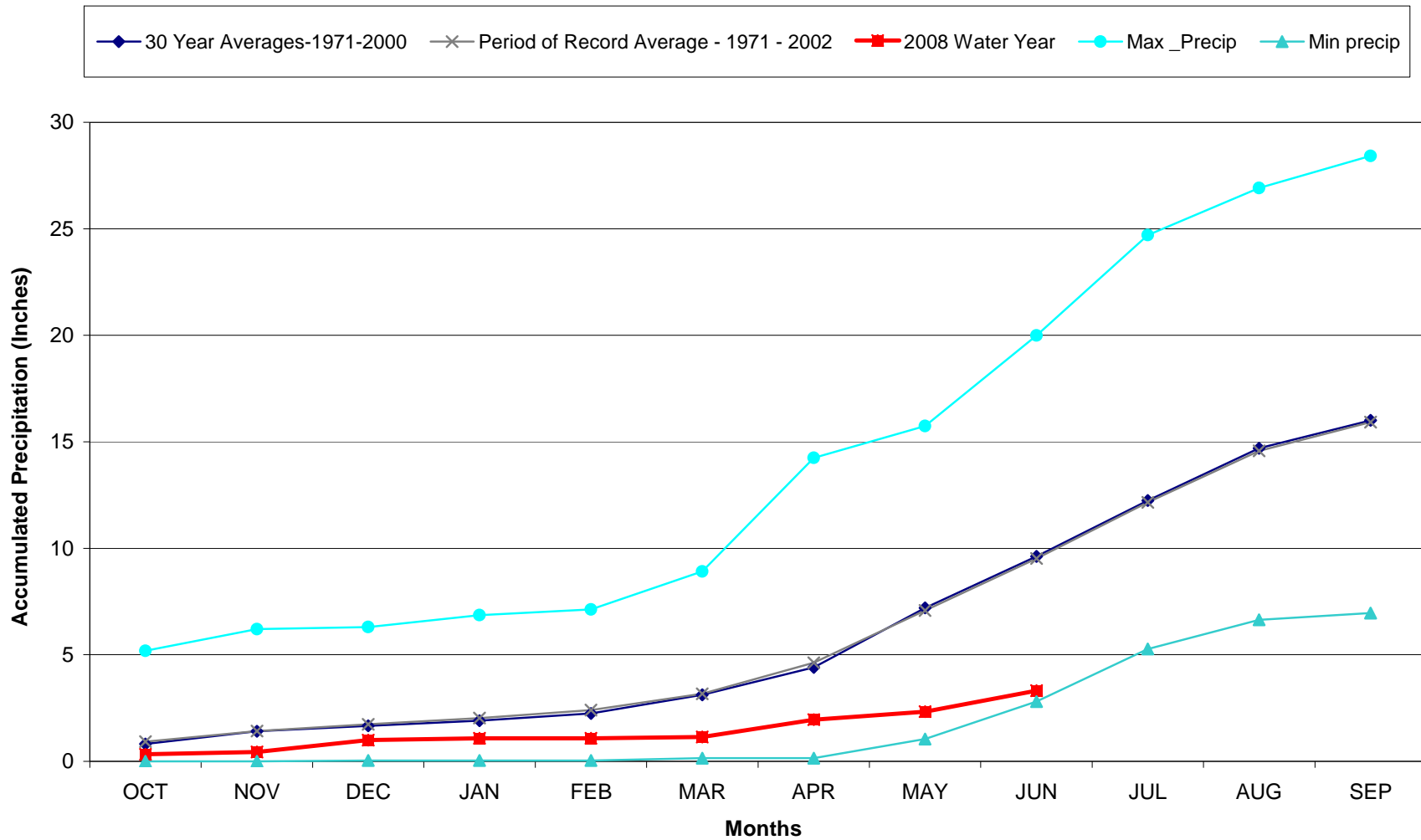
Division 5 – Pueblo

Pueblo WSO 2008 Water Year



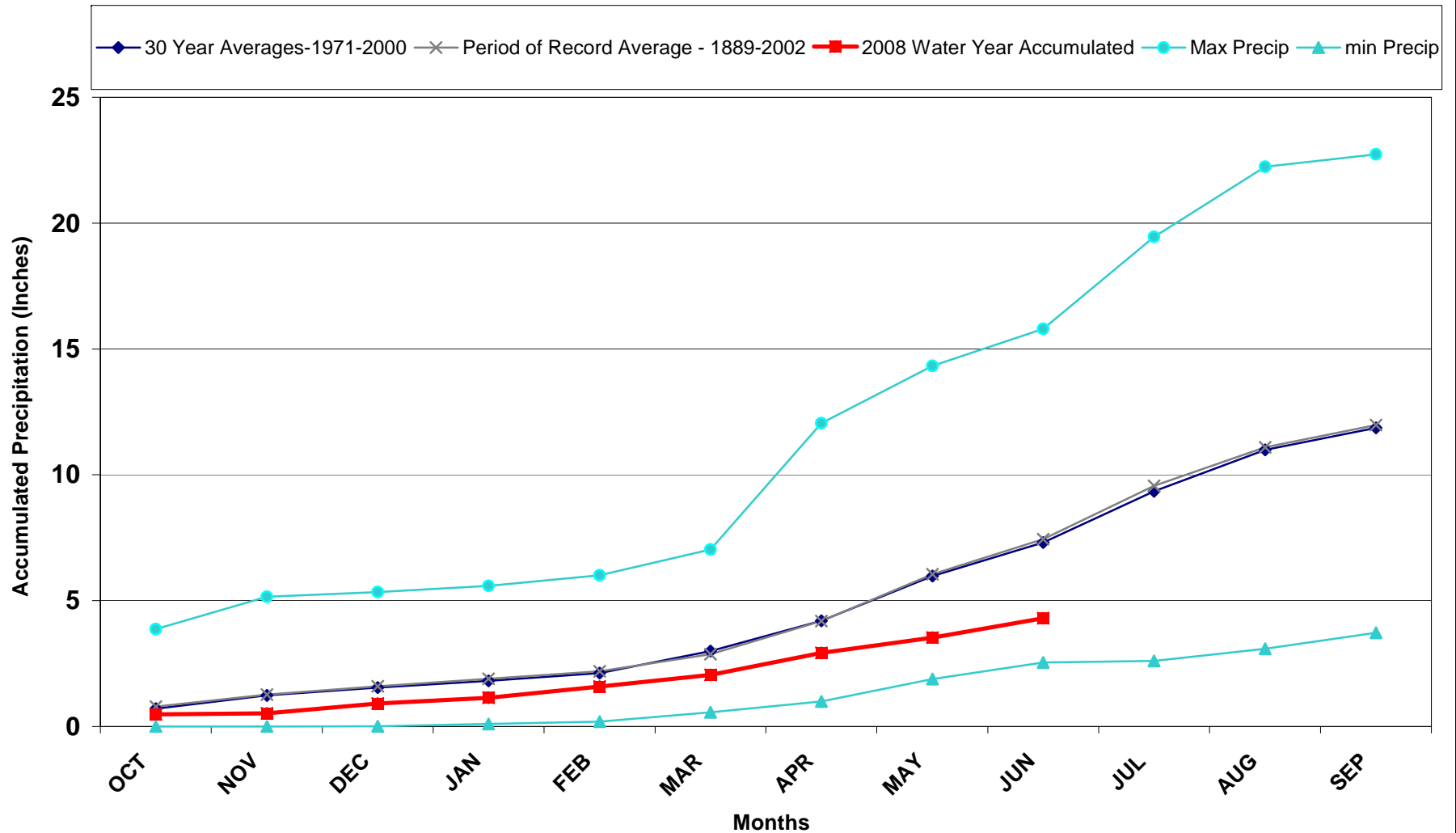
Division 6 – Cheyenne Wells

Cheyenne Wells 2008 Water Year



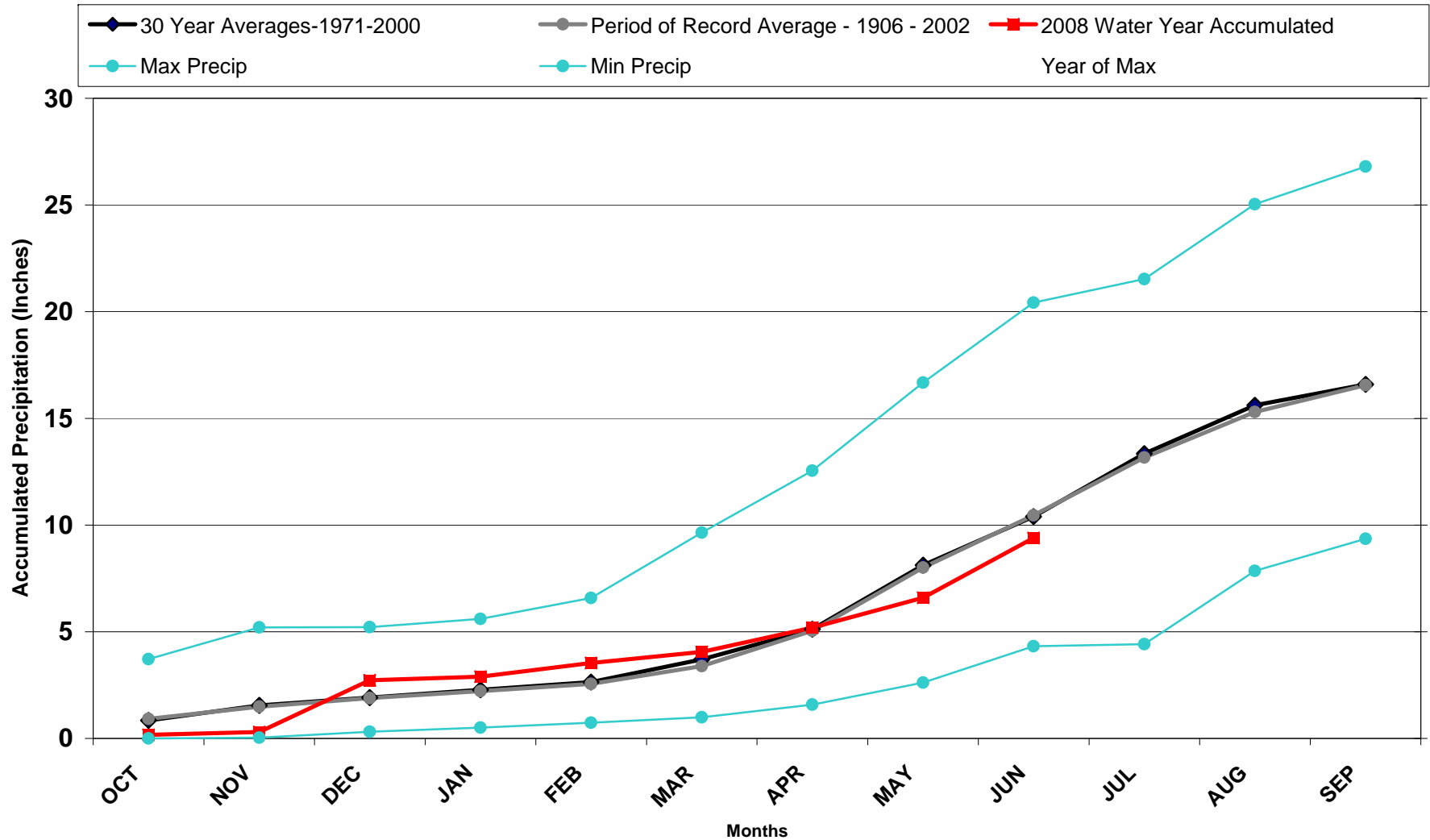
Division 6 – Rocky Ford

Rocky Ford 2008 Water Year



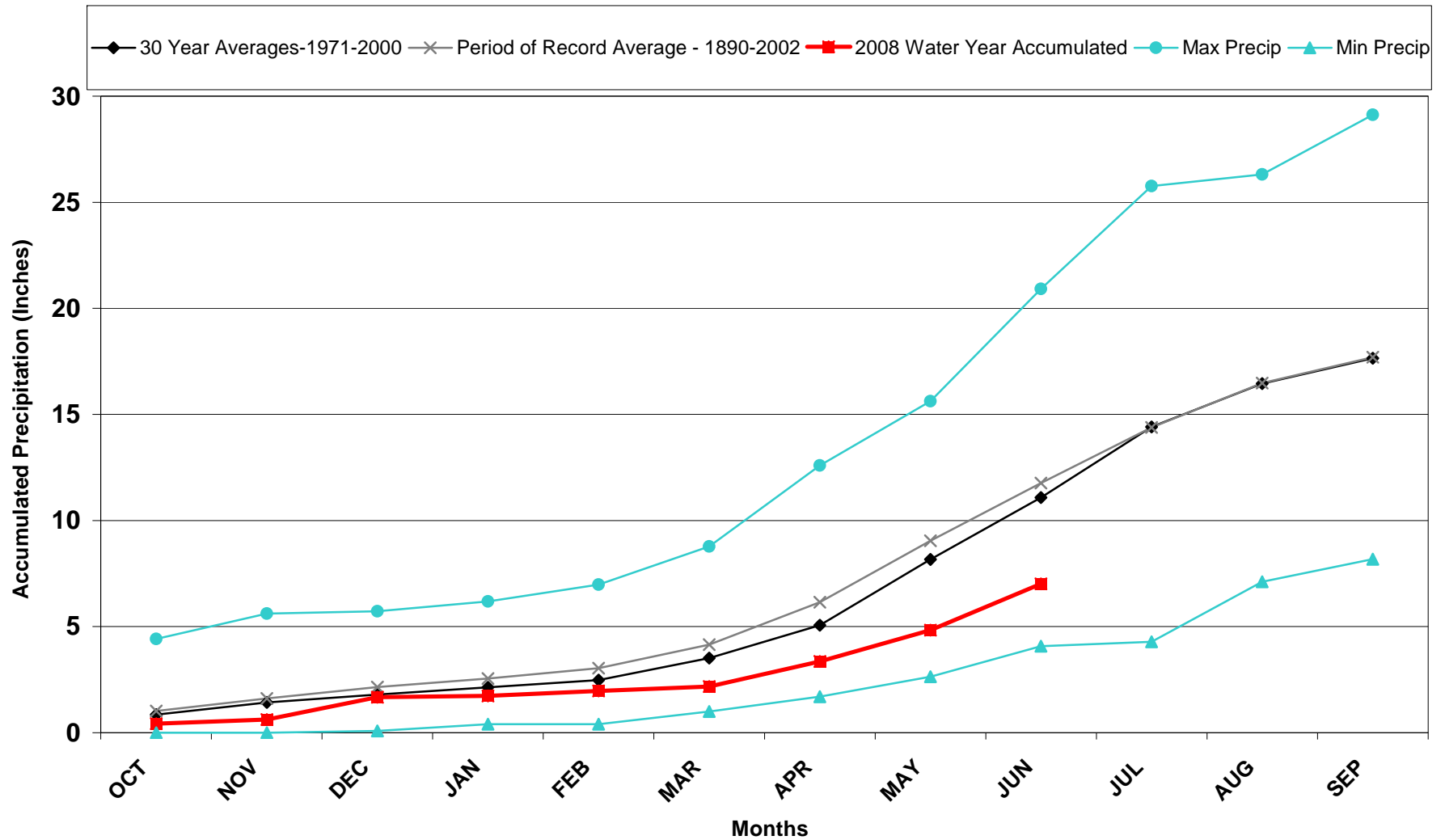
Division 7 – Akron

Akron 4E 2008 Water Year



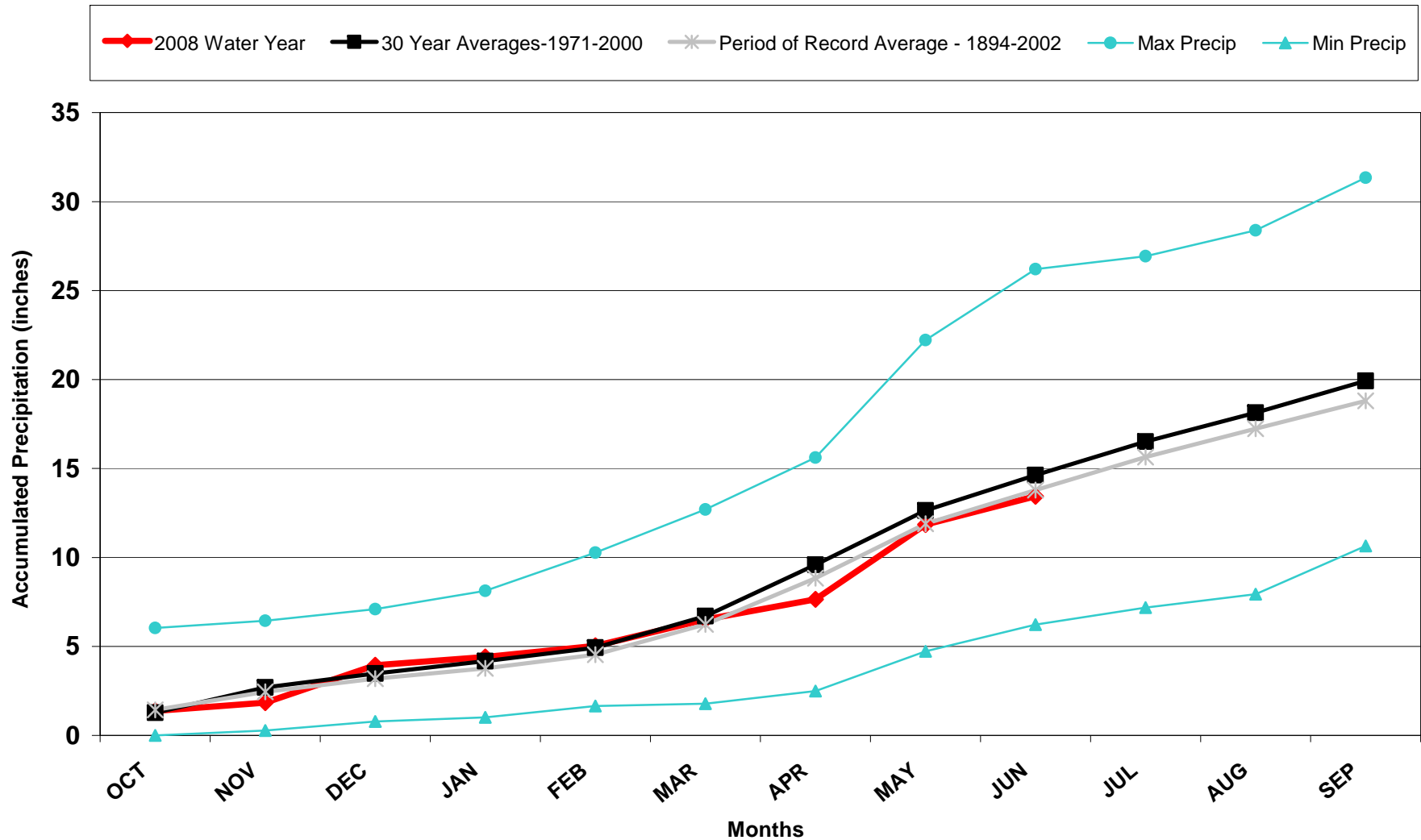
Division 7 – Leroy

Leroy 5SW 2008 Water Year



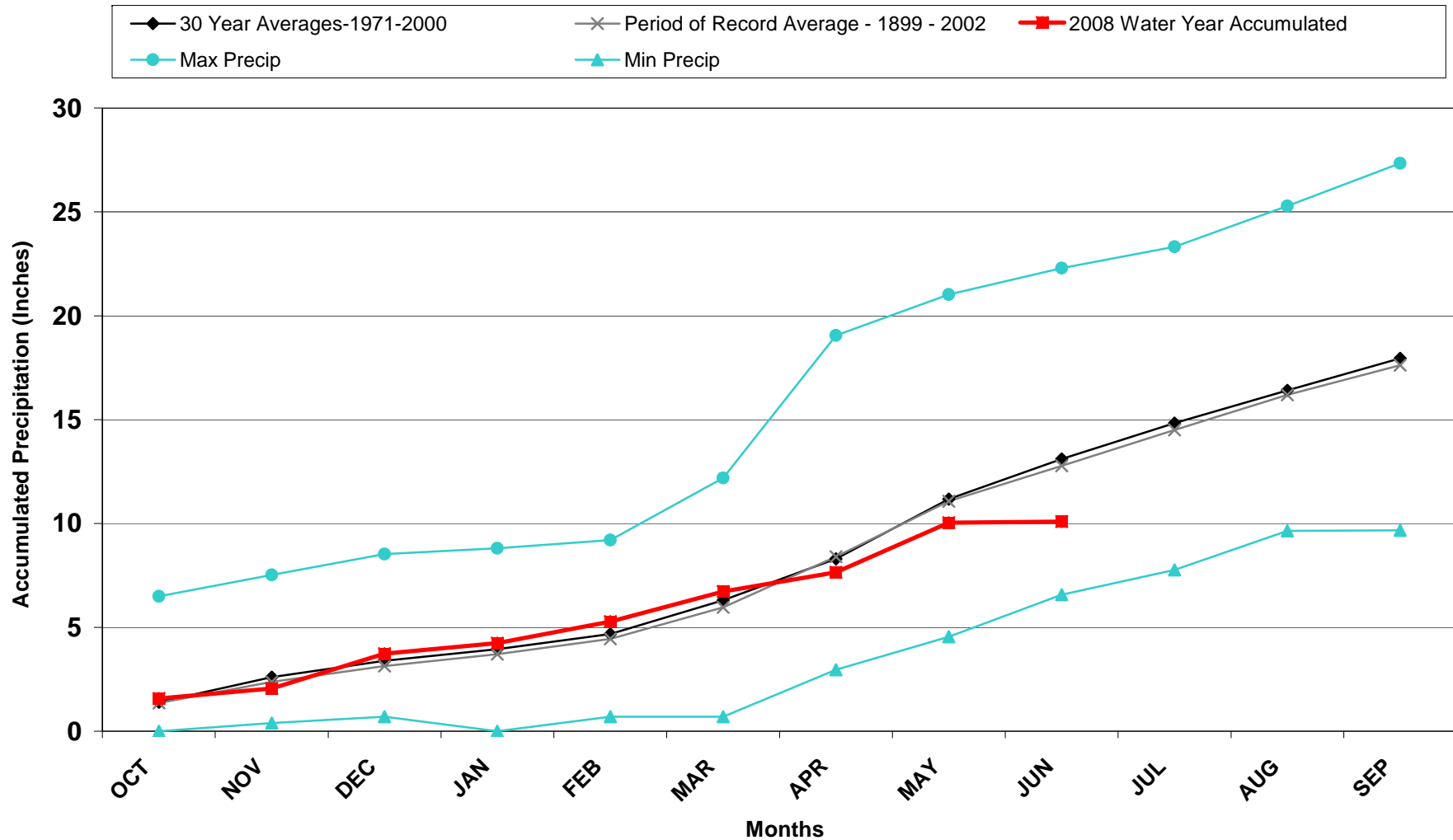
Division 8 – Boulder

Boulder 2008 Water Year



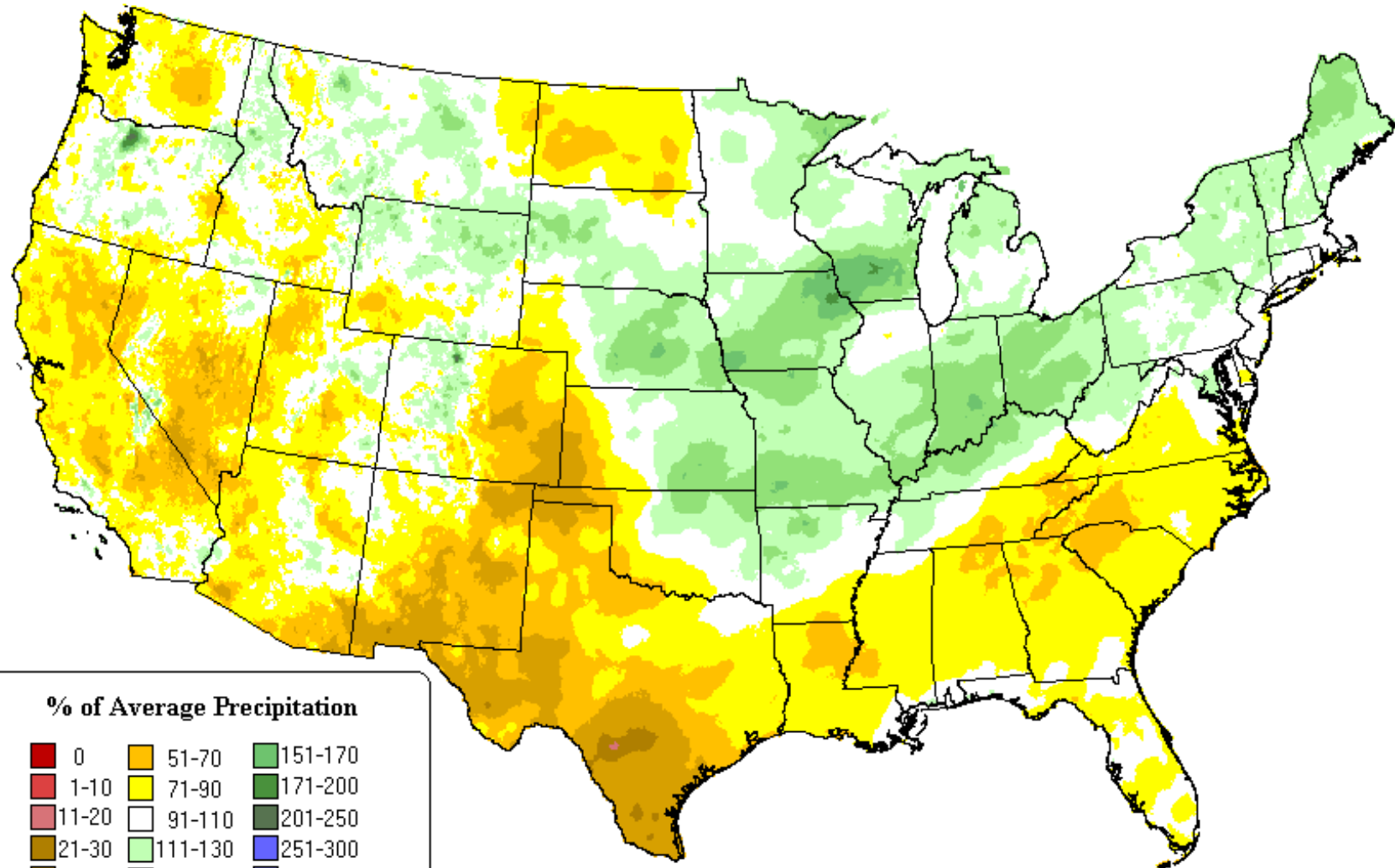
Division 8 – Kassler

Kassler 2008 Water Year

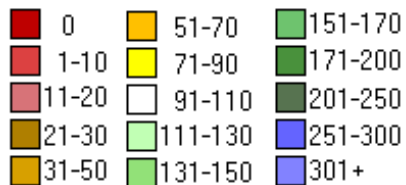


Water Year 2008 (Oct 07-Jun 08) Prism

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

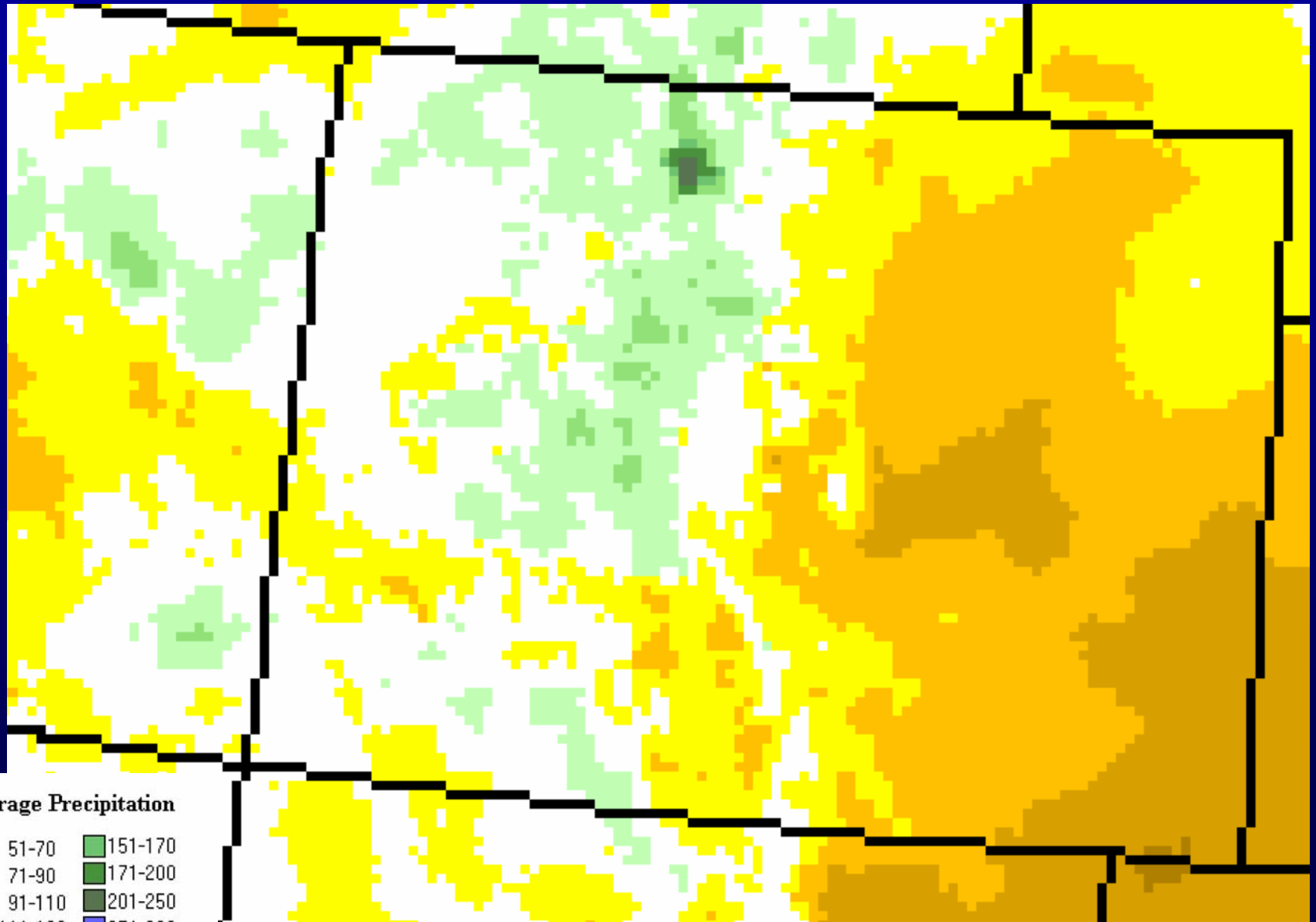


% of Average Precipitation



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

Water Year 2008 (Oct 07-Jun 08) Prism



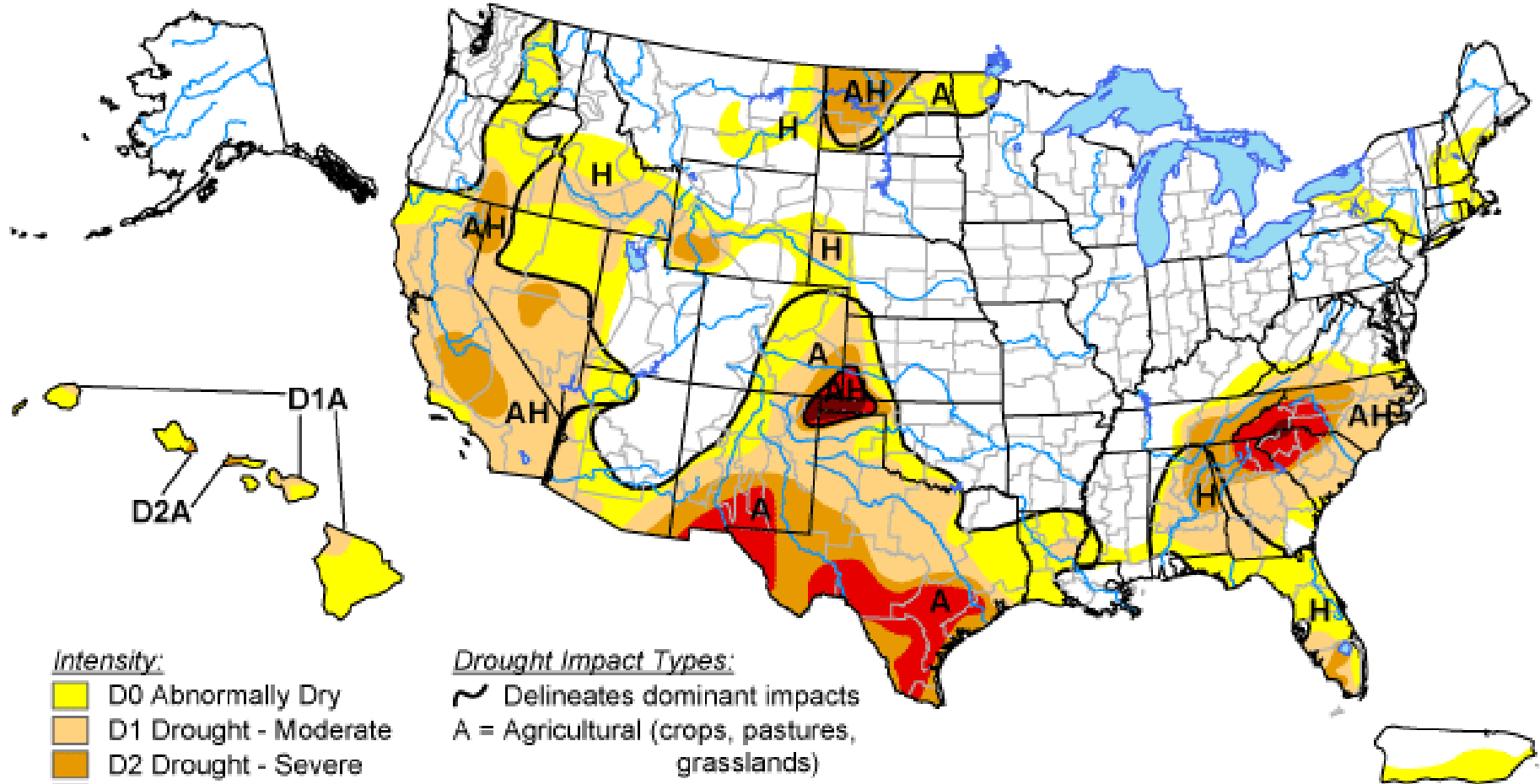
% of Average Precipitation

0	51-70	151-170
1-10	71-90	171-200
11-20	91-110	201-250
21-30	111-130	251-300
31-50	131-150	301+






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.



Released Thursday, June 19, 2008

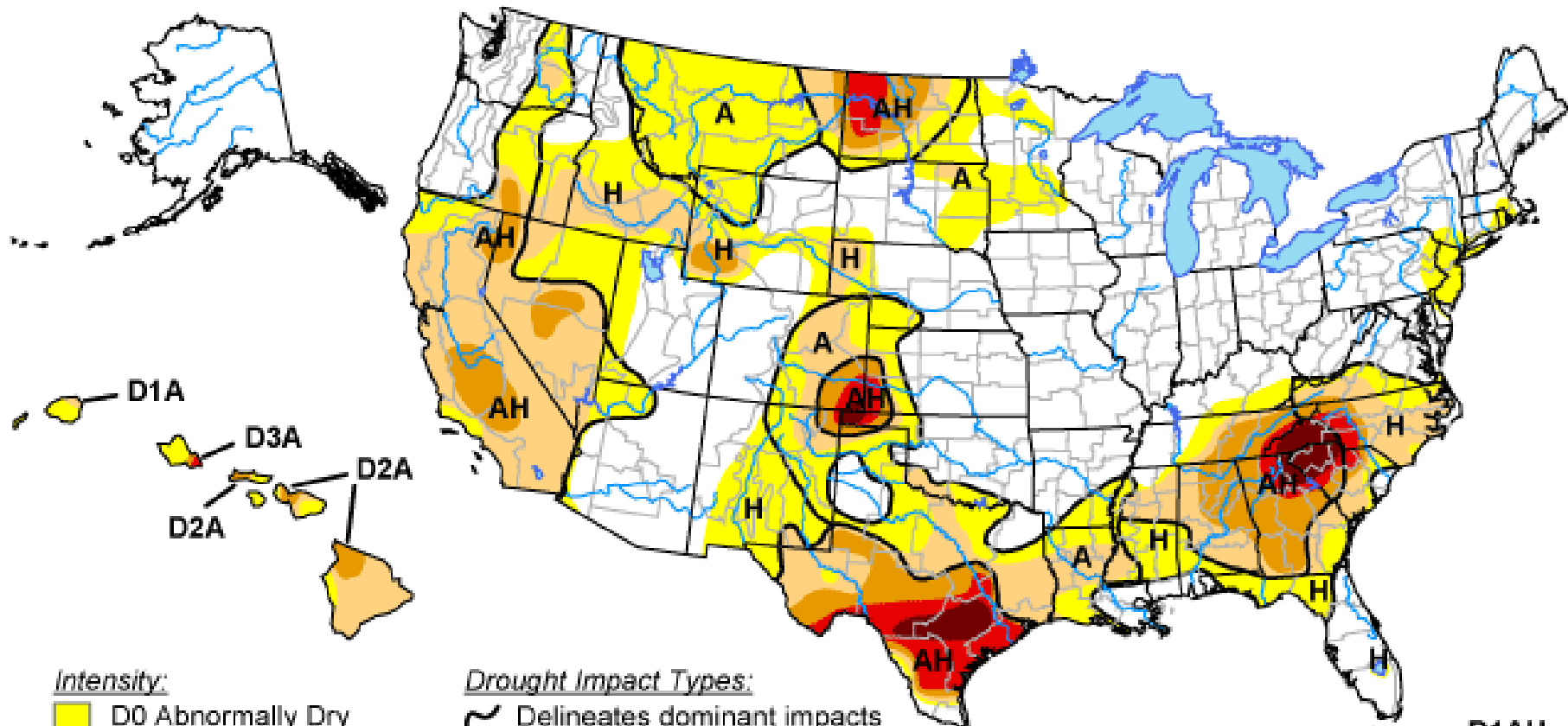
Author: Rich Tinker, CPC/NOAA

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


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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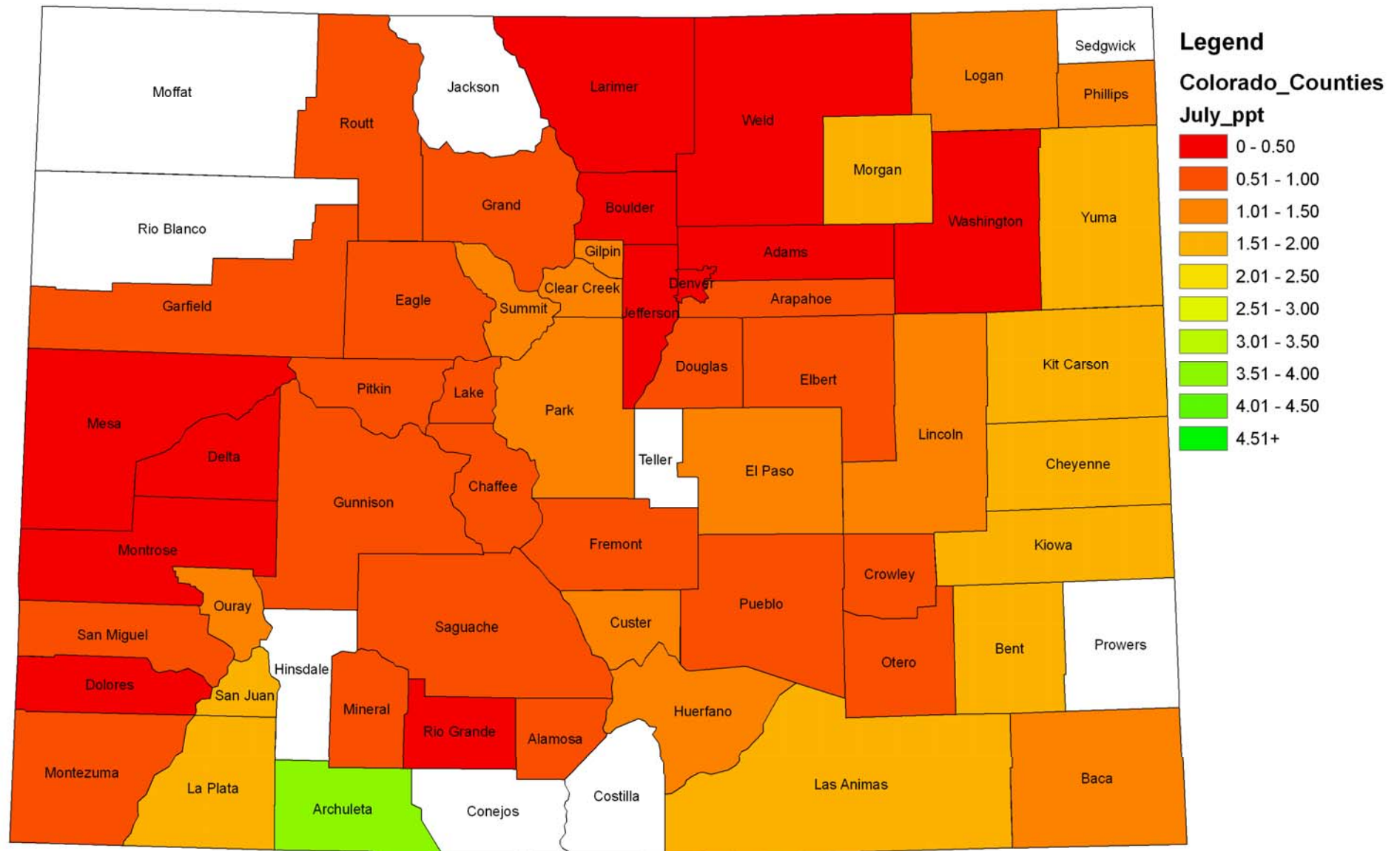


Released Thursday, July 24, 2008

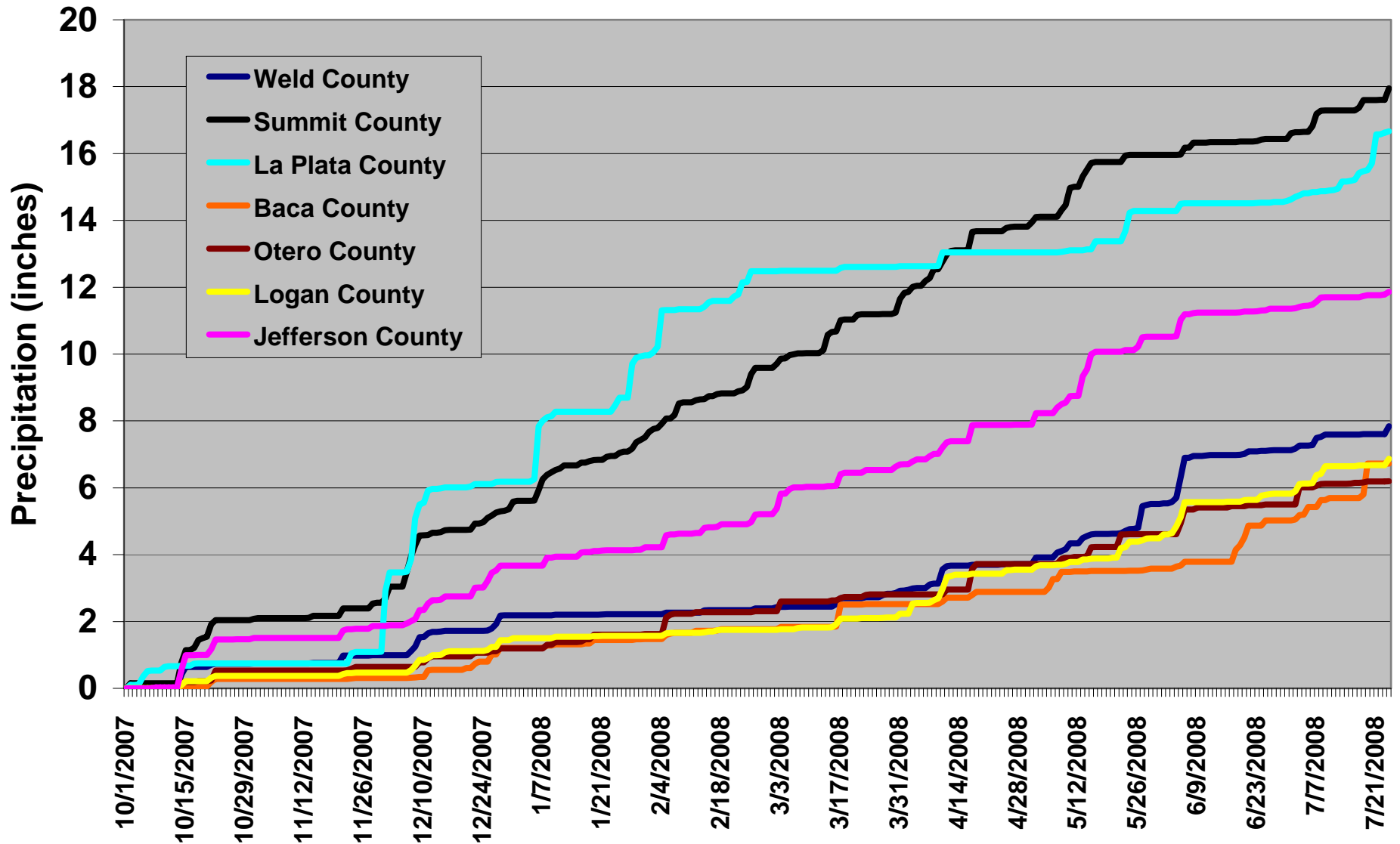
Author: Brad Rippey, U.S. Department of Agriculture

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

July 1-24, 2008 CoCoRaHS Accumulated Precipitation



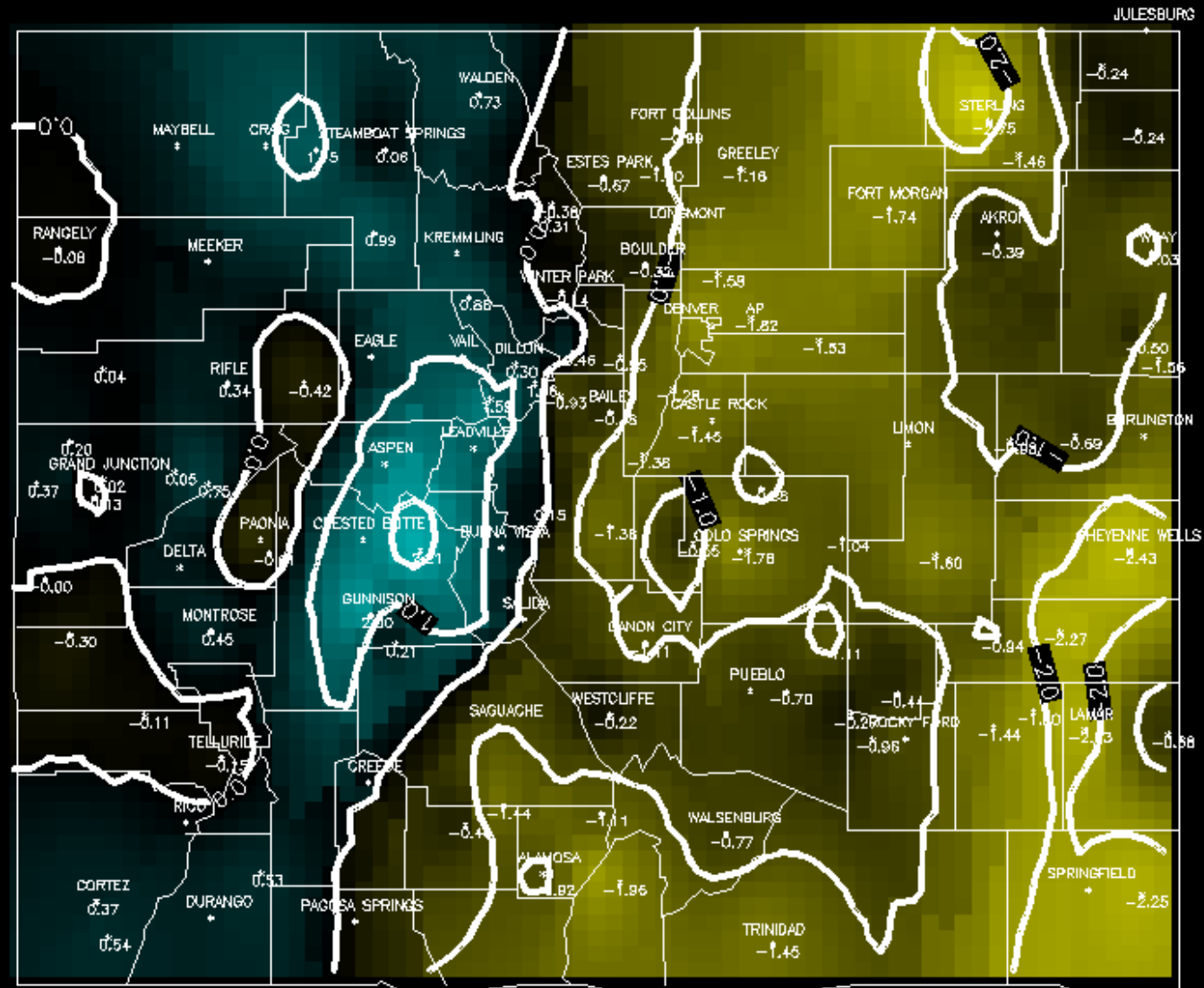
CoCoRAHS Accumulated Precipitation for Selected Counties: October 1, 2007 through Jul 24, 2008



6-month SPI

Colorado

6/2008 6 mon. SPI



100% < 2.0
96% < 1.0
85% < 0.0

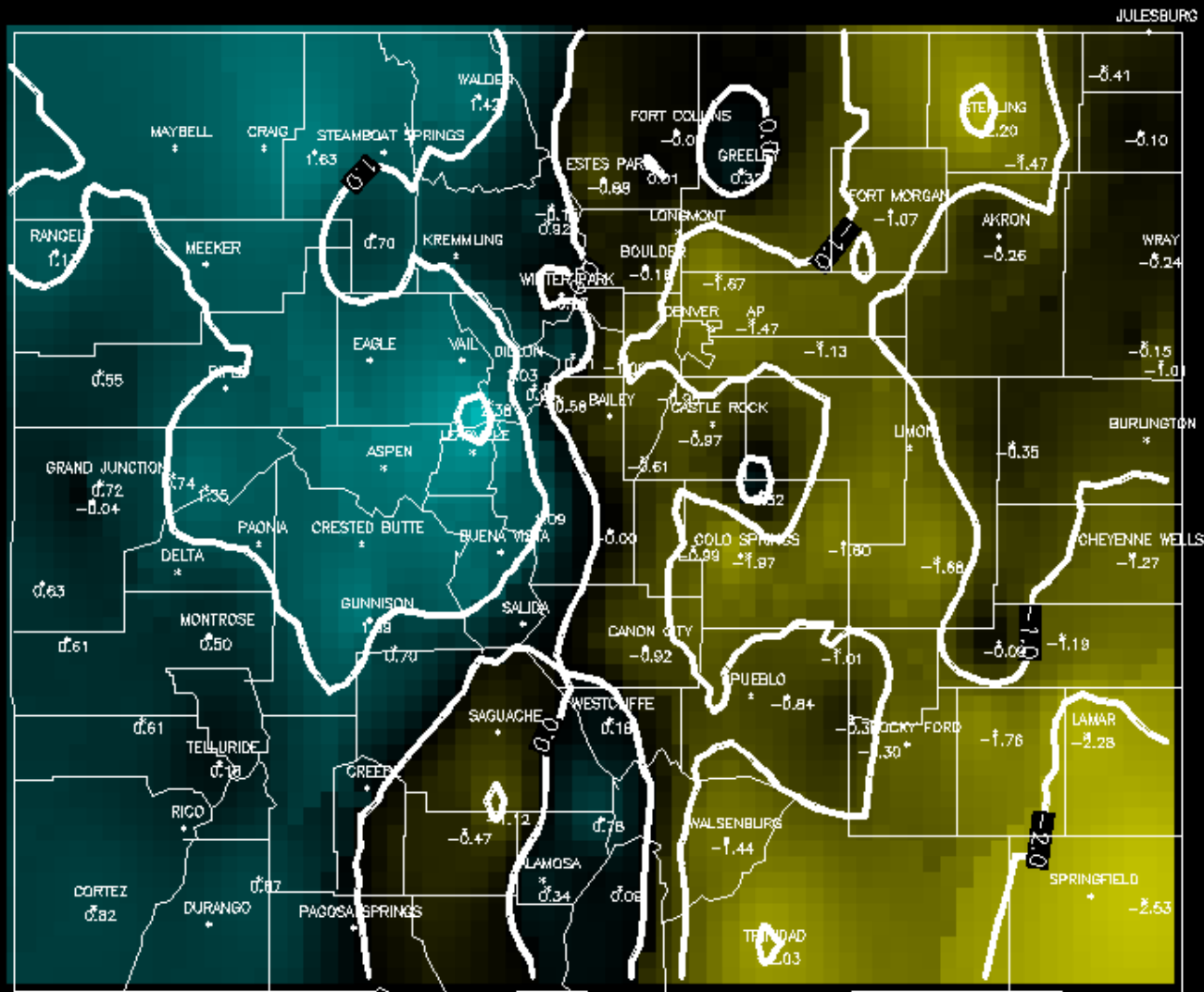
35% < -1.0
4% < -2.0
0% < -3.0

Produced by:
Colorado Climate Center
Fort Collins, CO

12-month SPI

Colorado

6/2008 12 mon. SPI



100% < 2.0
 82% < 1.0
 53% < 0.0
 25% < -1.0
 4% < -2.0
 0% < -3.0

Produced by:
 Colorado Climate Center
 Fort Collins, CO

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”

