



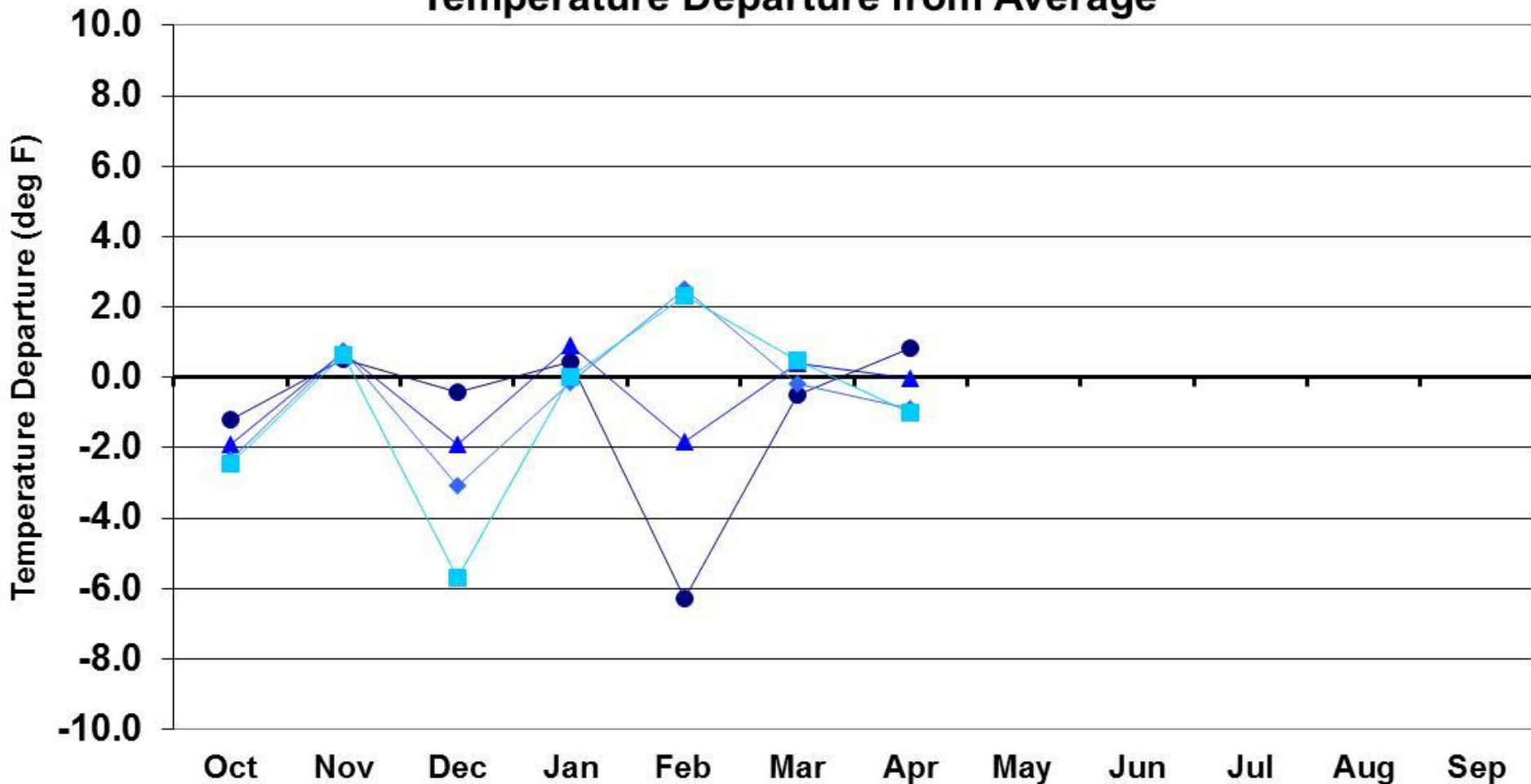
Climate Update

Wendy Ryan
Assistant State Climatologist
Colorado Climate Center
Colorado State University

Presented to
Water Availability Task Force
16 May 2014
Denver, CO

Water Year 2014 Temperature Departures

Water Year 2014
Temperature Departure from Average



● Eastern Plains

▲ Foothills

◆ Mountains

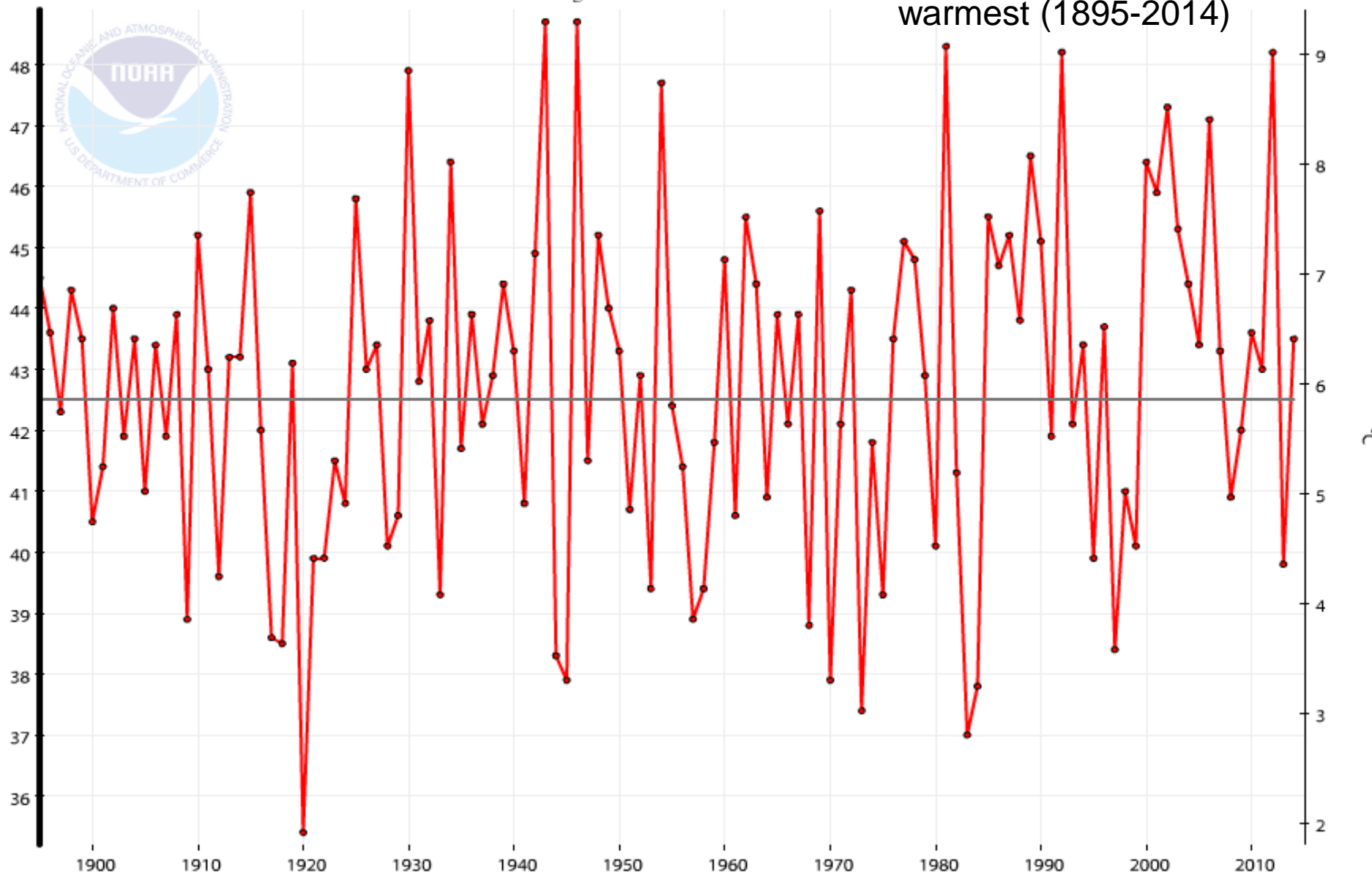
■ Western Valleys

April Average Temperature History for Colorado (NCDC)

Colorado, Temperature, April

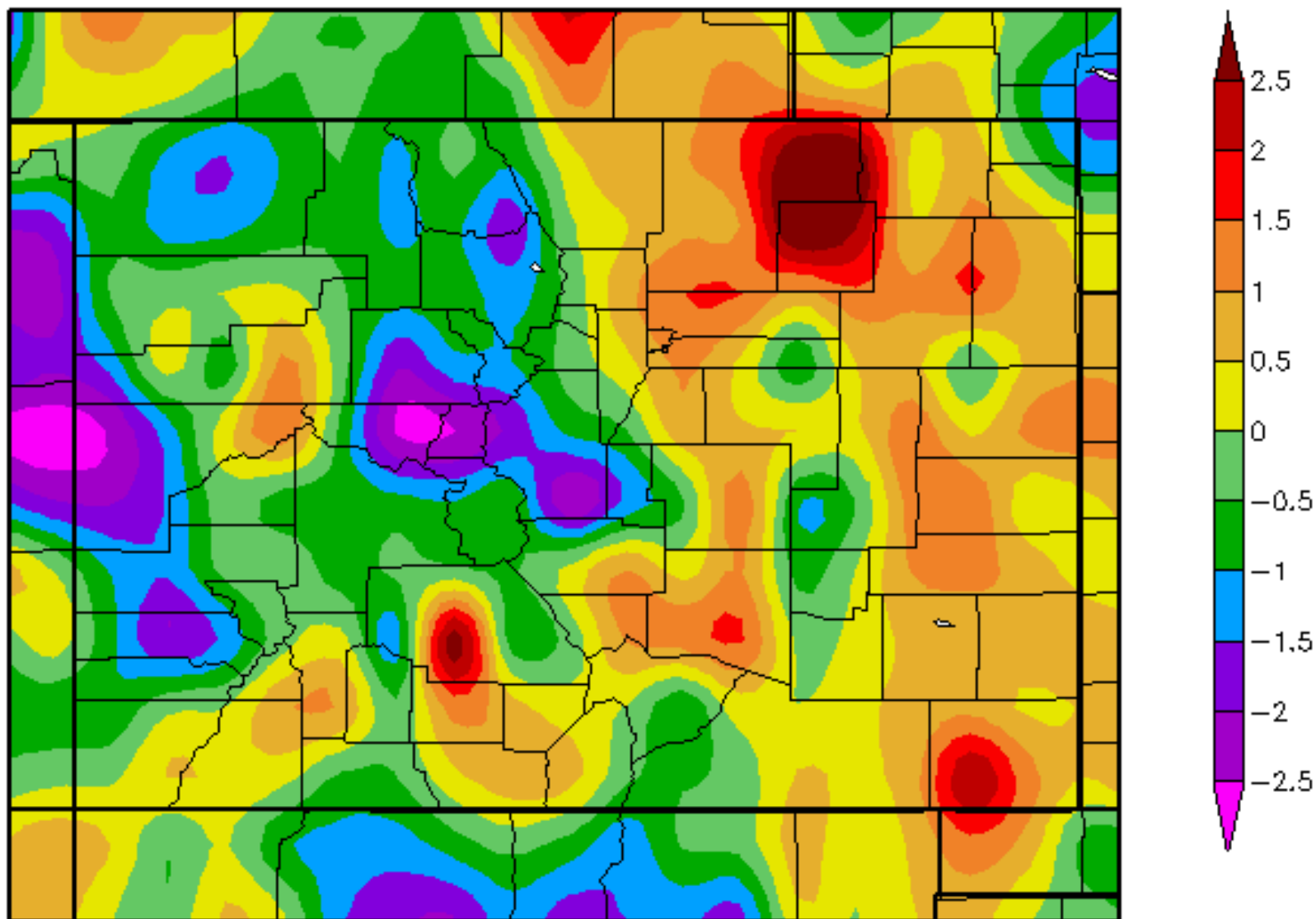
— 1901-2000 Avg: 42.5°F
—●— Temperature

43.5F ranks as the 46th warmest (1895-2014)



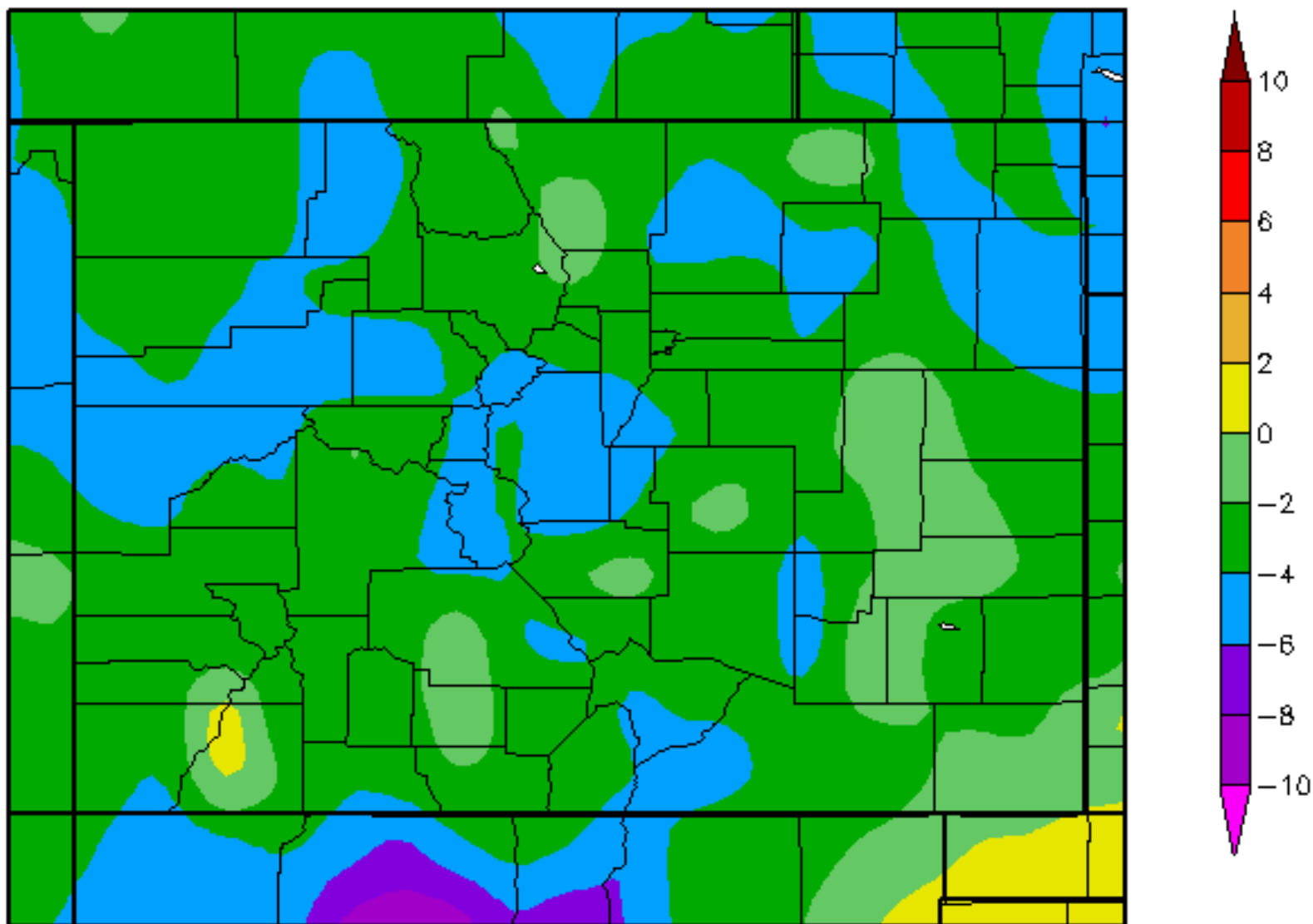
Departure from Normal Temperature (F)

4/1/2014 - 4/30/2014

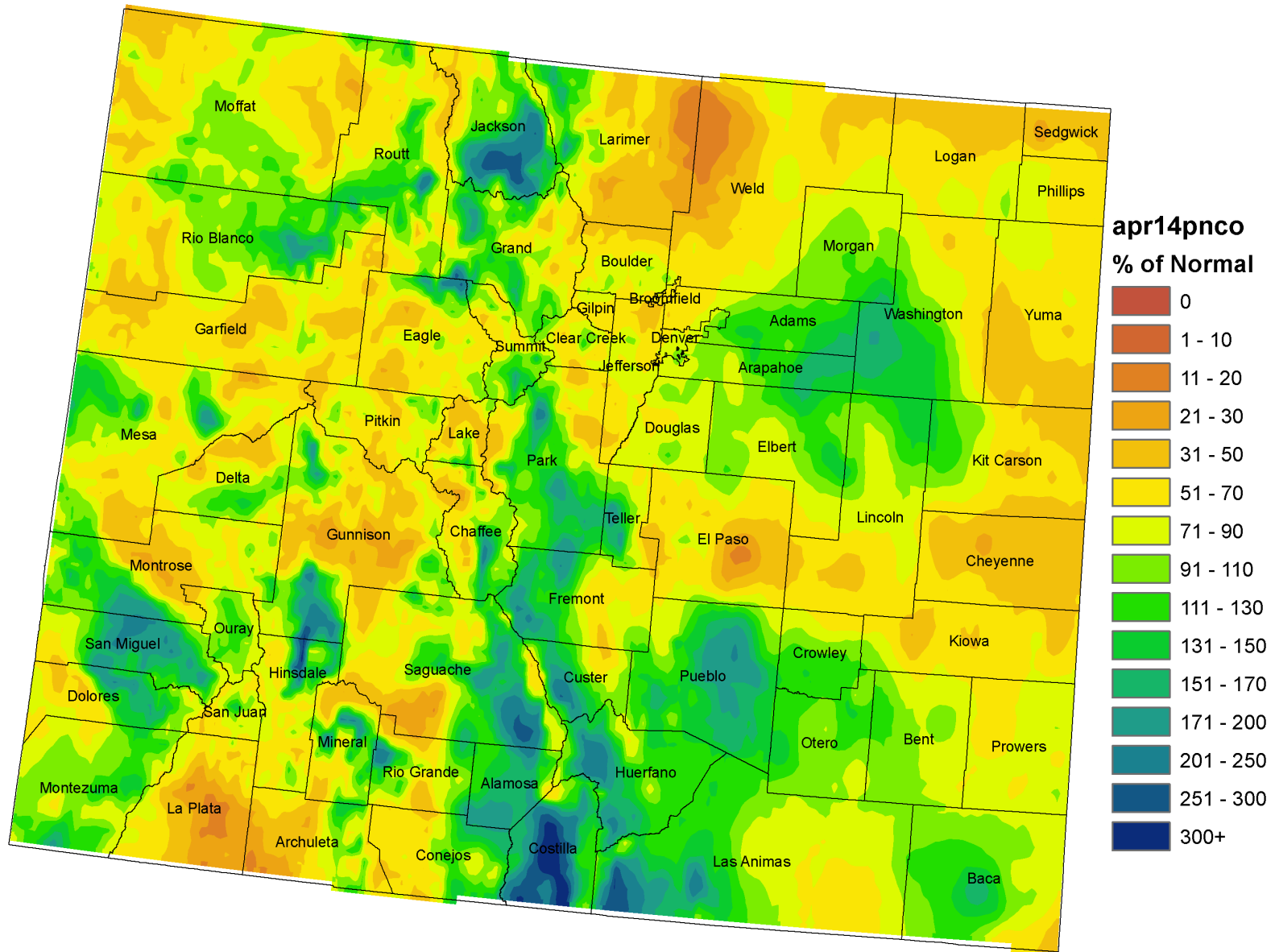


Departure from Normal Temperature (F)

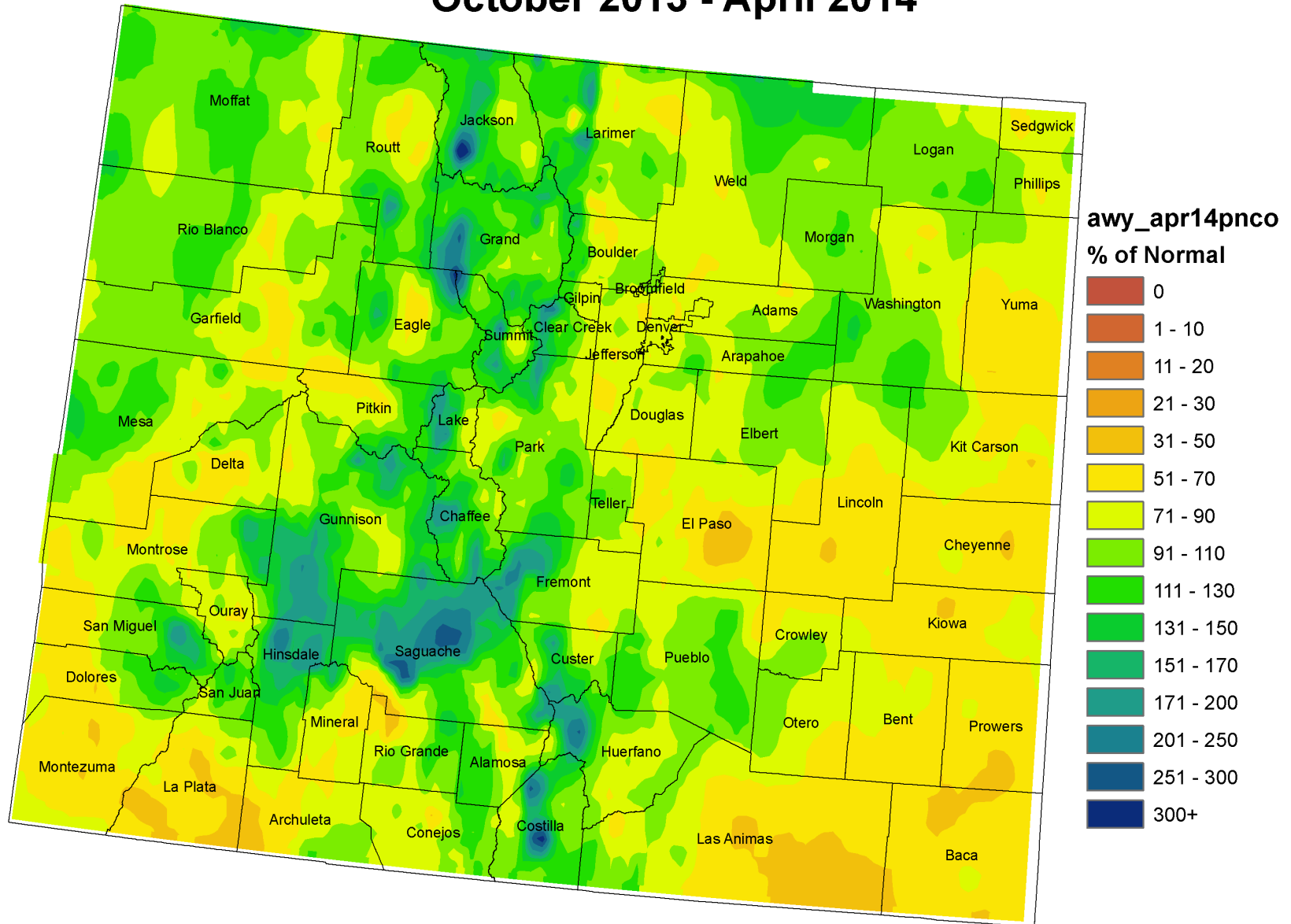
5/1/2014 – 5/14/2014



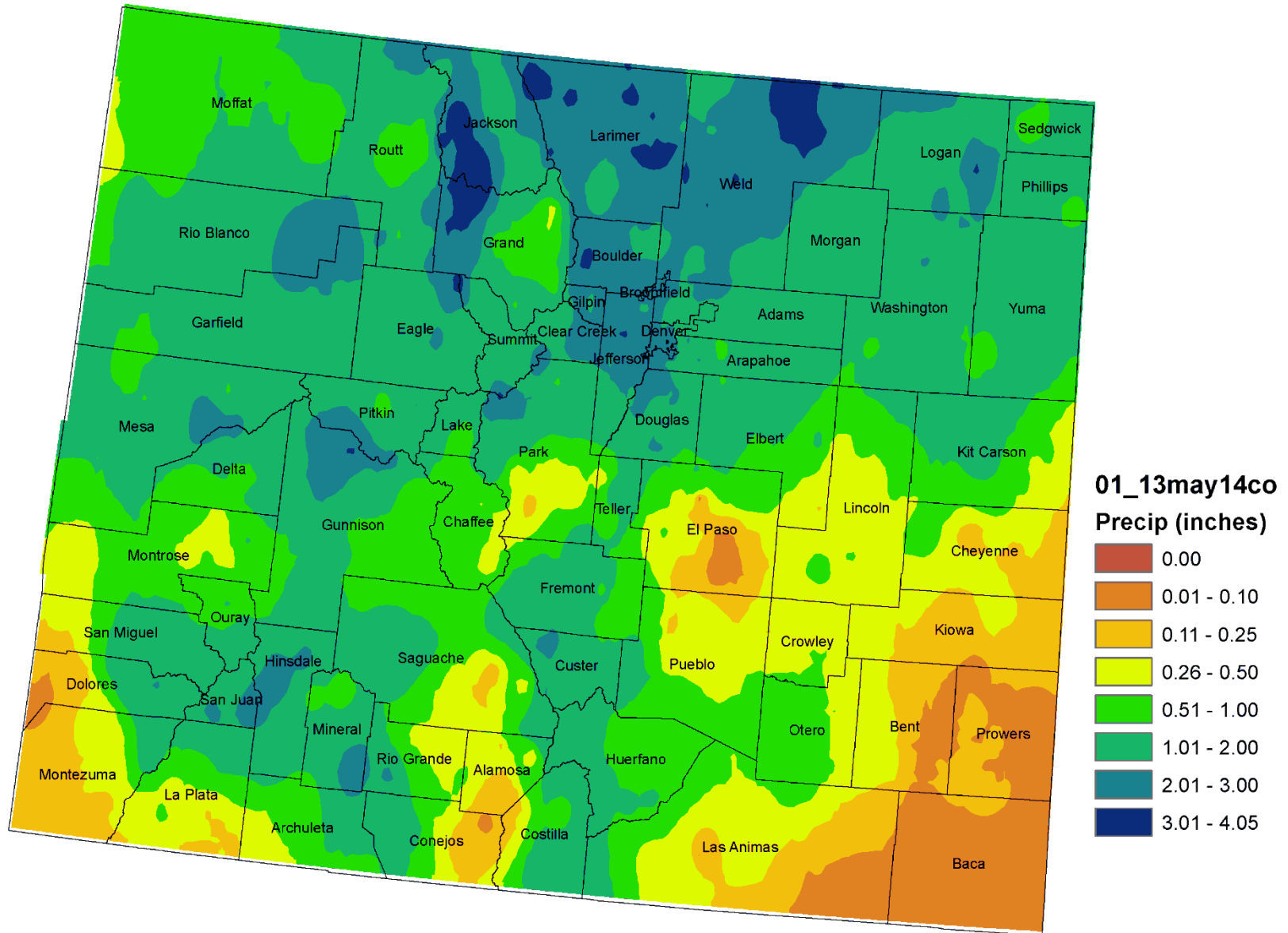
Colorado April 2014 Precipitation as a Percentage of Normal



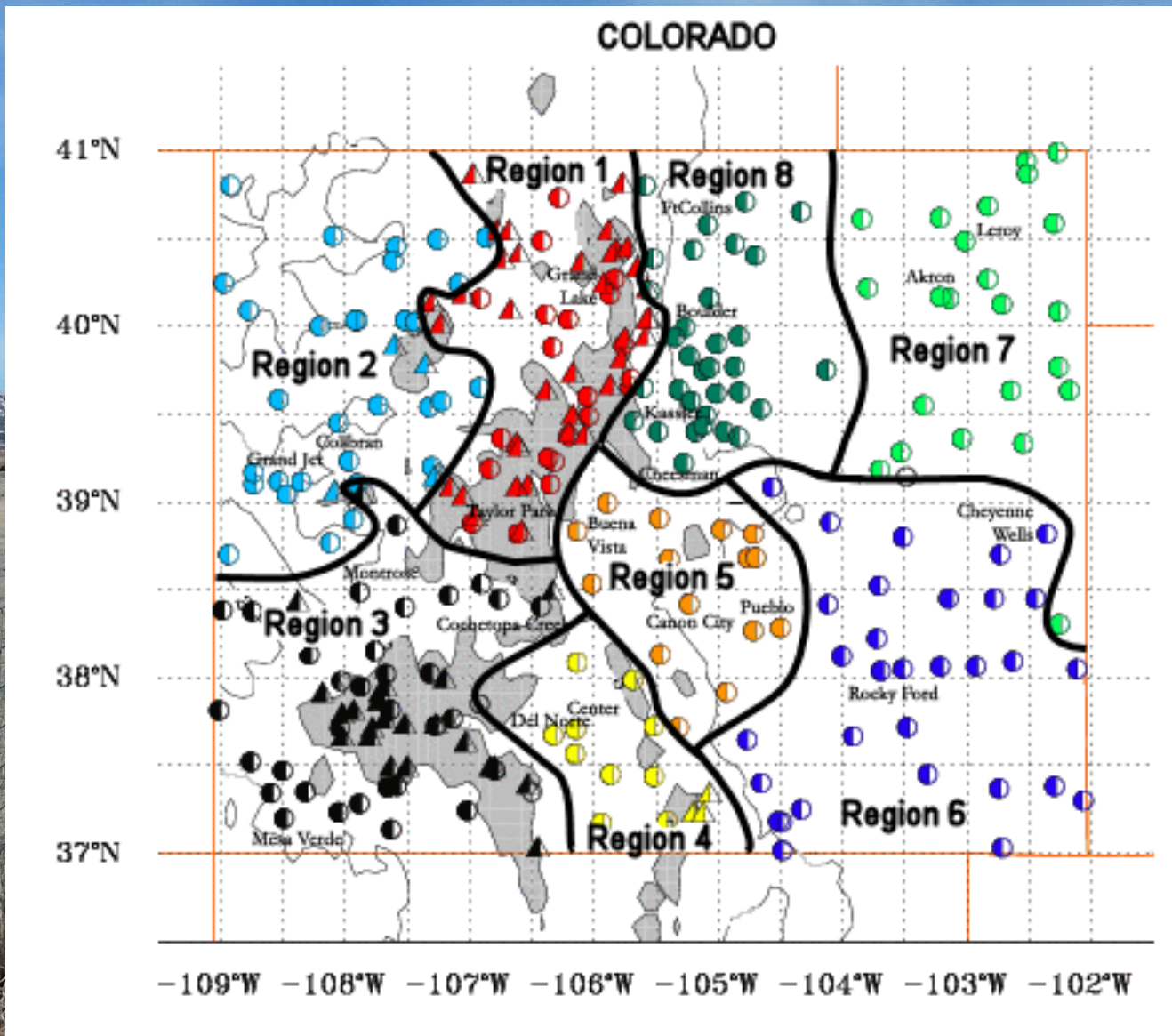
Colorado Water Year 2014 Precipitation as a Percentage of Normal October 2013 - April 2014



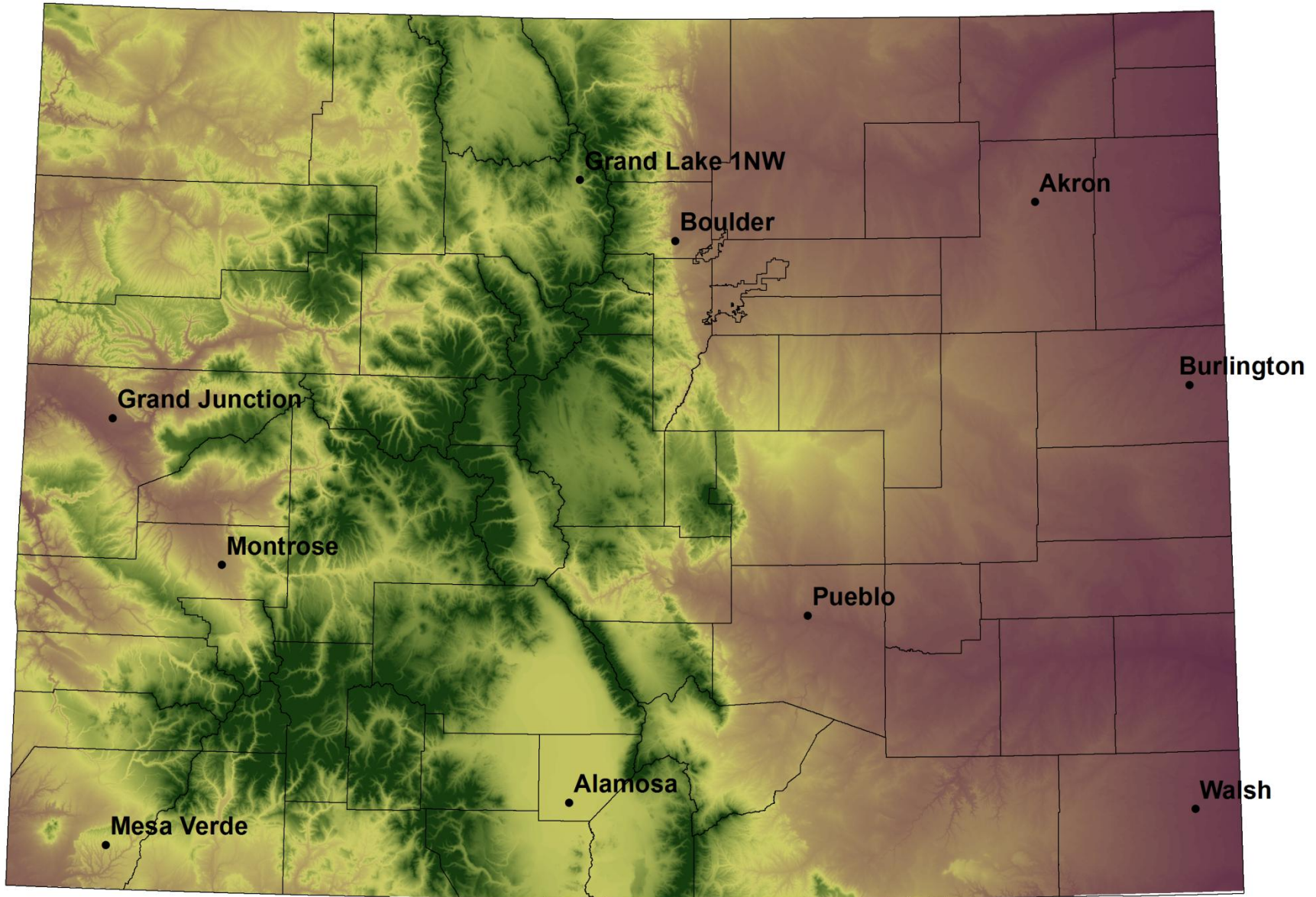
Colorado Month to Date Precipitation 1 - 13 May 2014



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

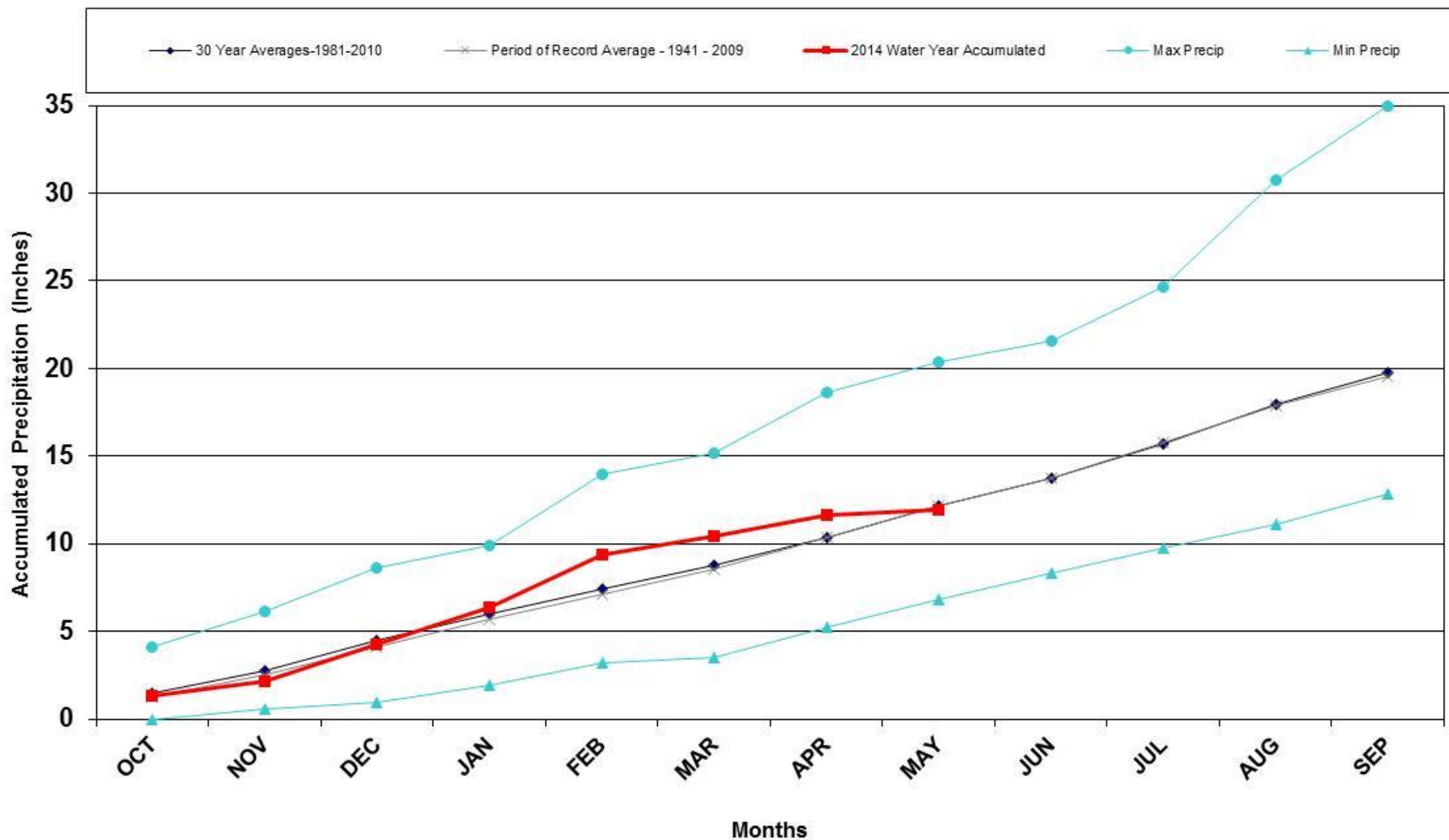


NWS Cooperative Stations for WATF



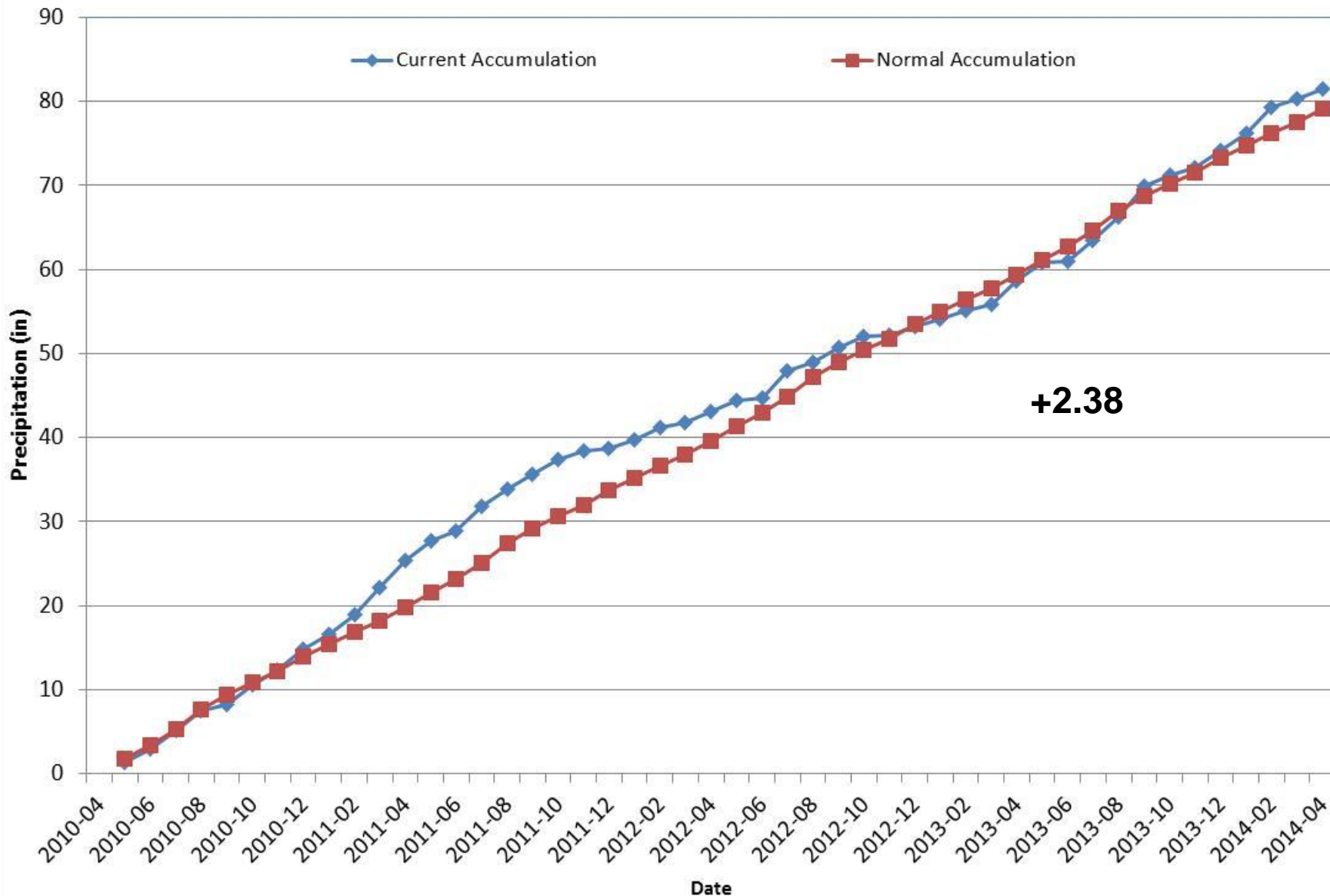
Division 1 – Grand Lake 1NW

Grand Lake 1 NW 2014 Water Year



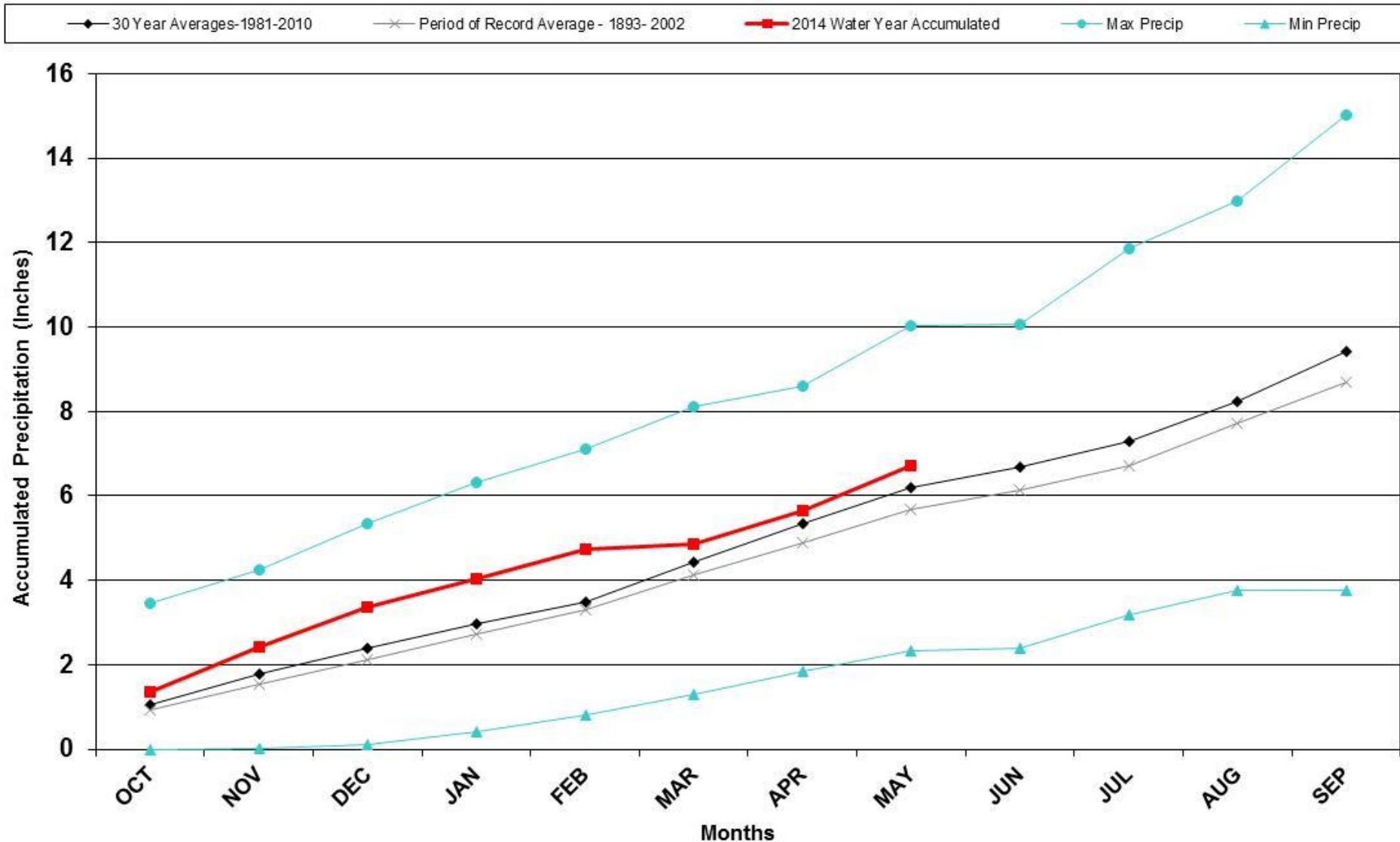
Division 1 – Grand Lake 1NW

Grand Lake 1NW Precipitation Accumulation



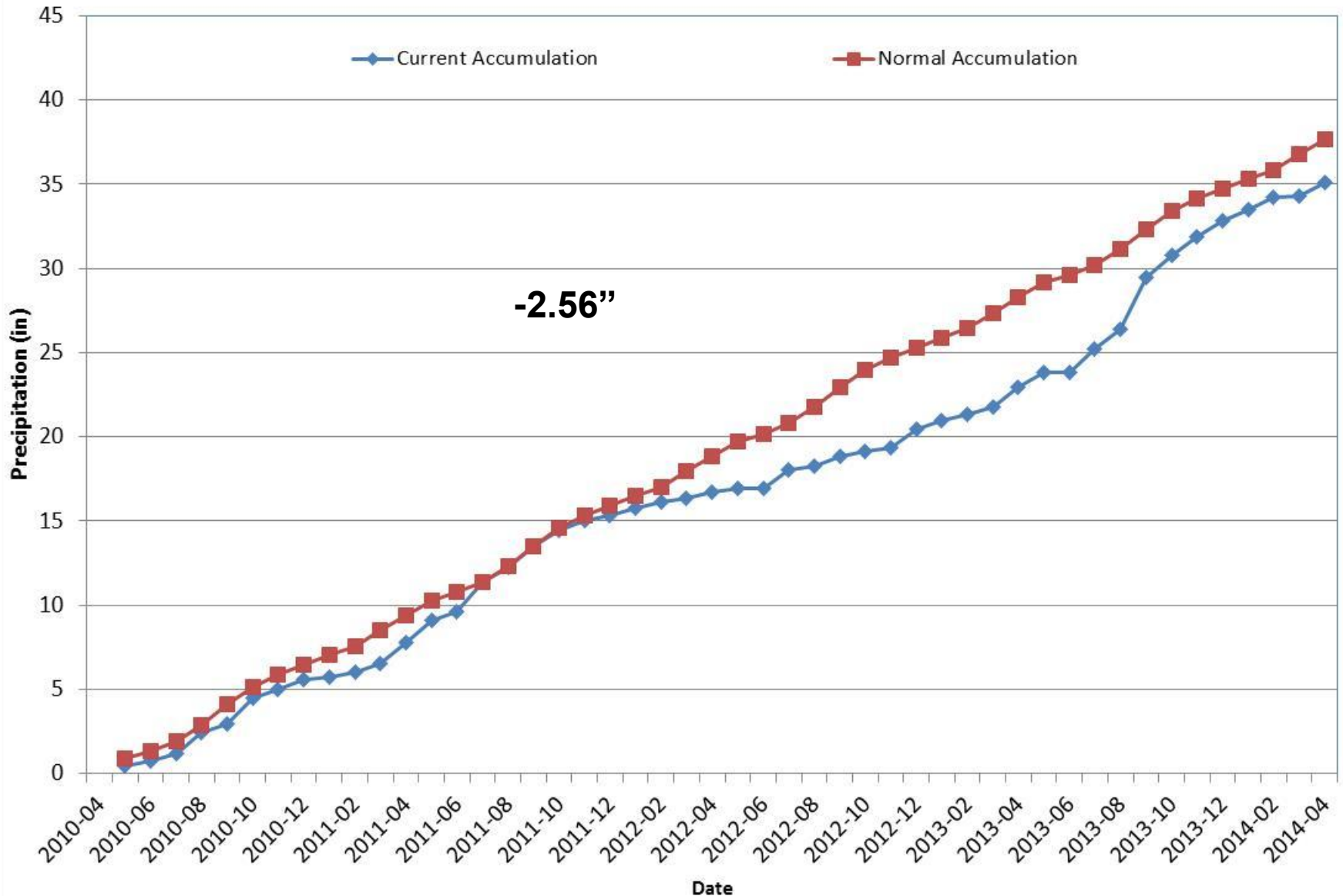
Division 2 – Grand Junction

Grand Junction WSFO 2014 Water Year



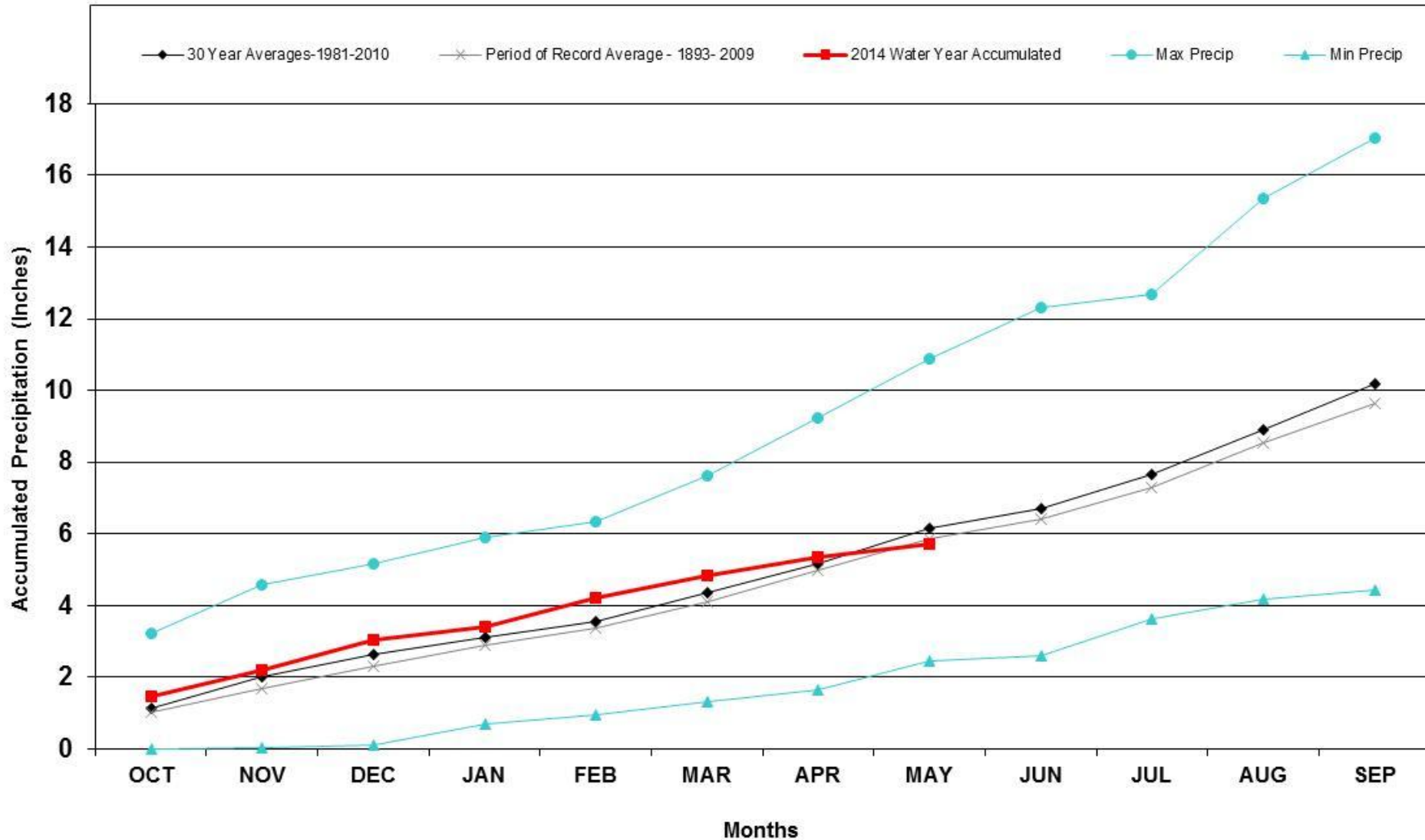
Division 2 – Grand Junction

Grand Junction Precipitation Accumulation



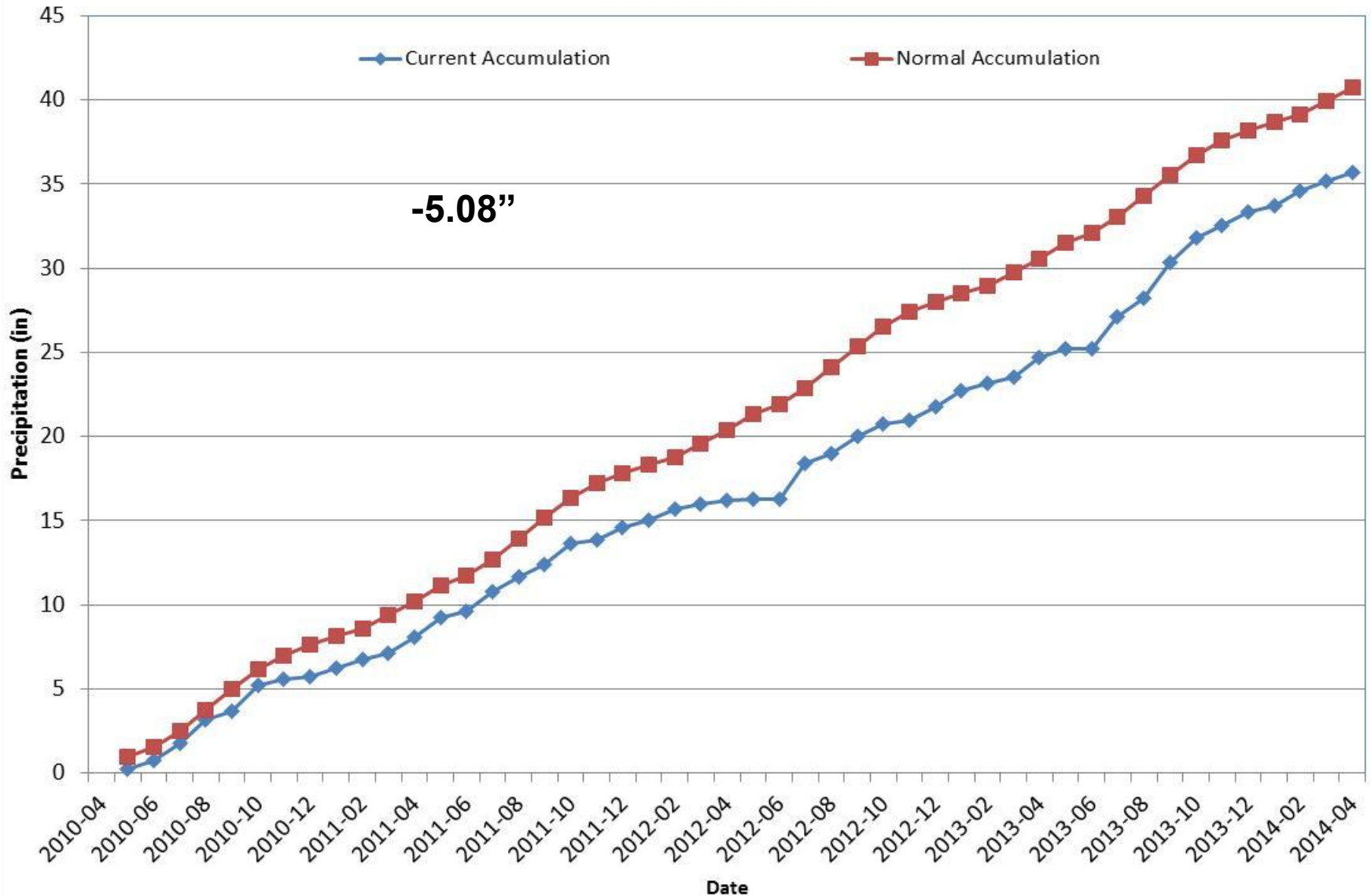
Division 3 – Montrose

Montrose #2 2014 Water Year



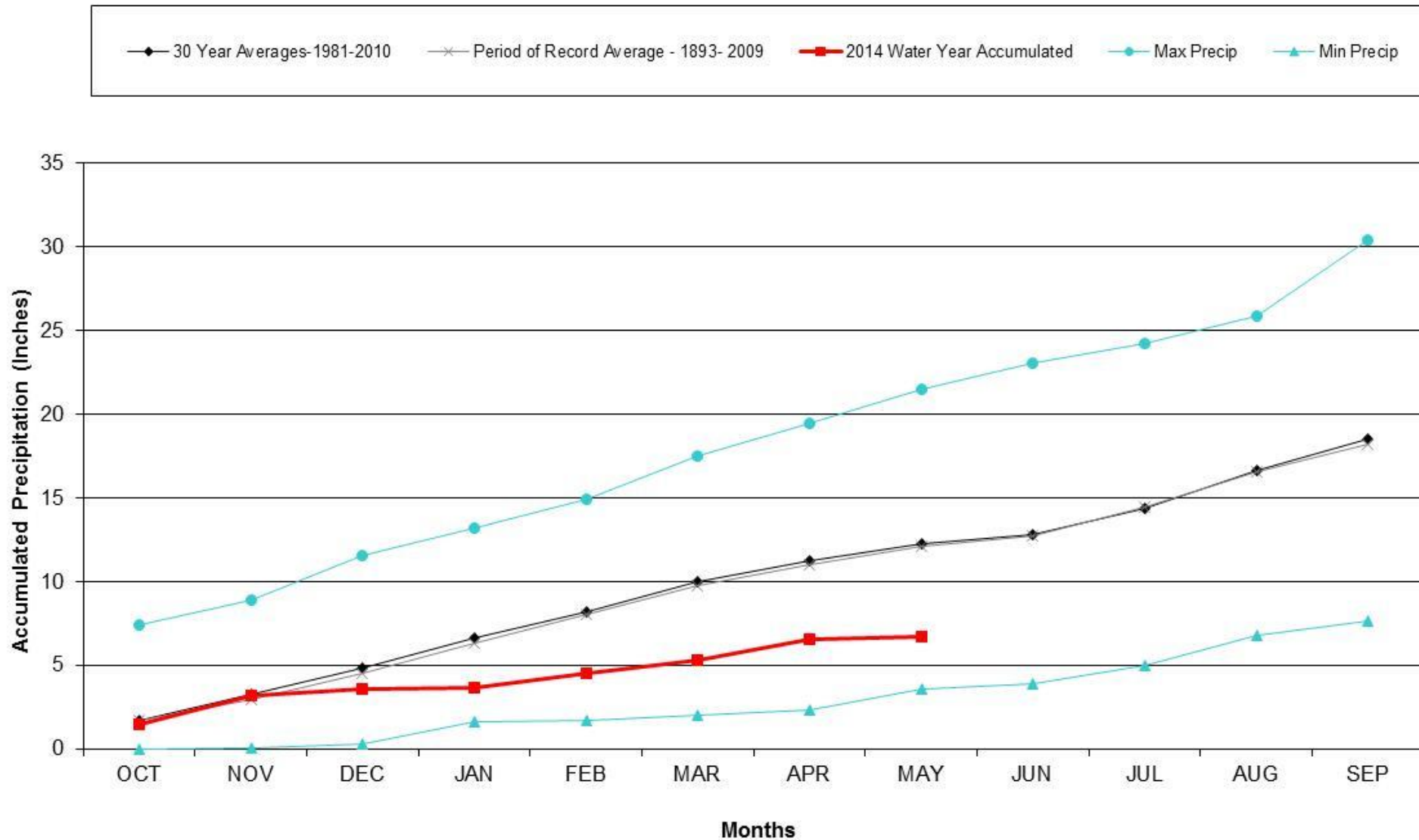
Division 3 – Montrose

Montrose #2 Precipitation Accumulation



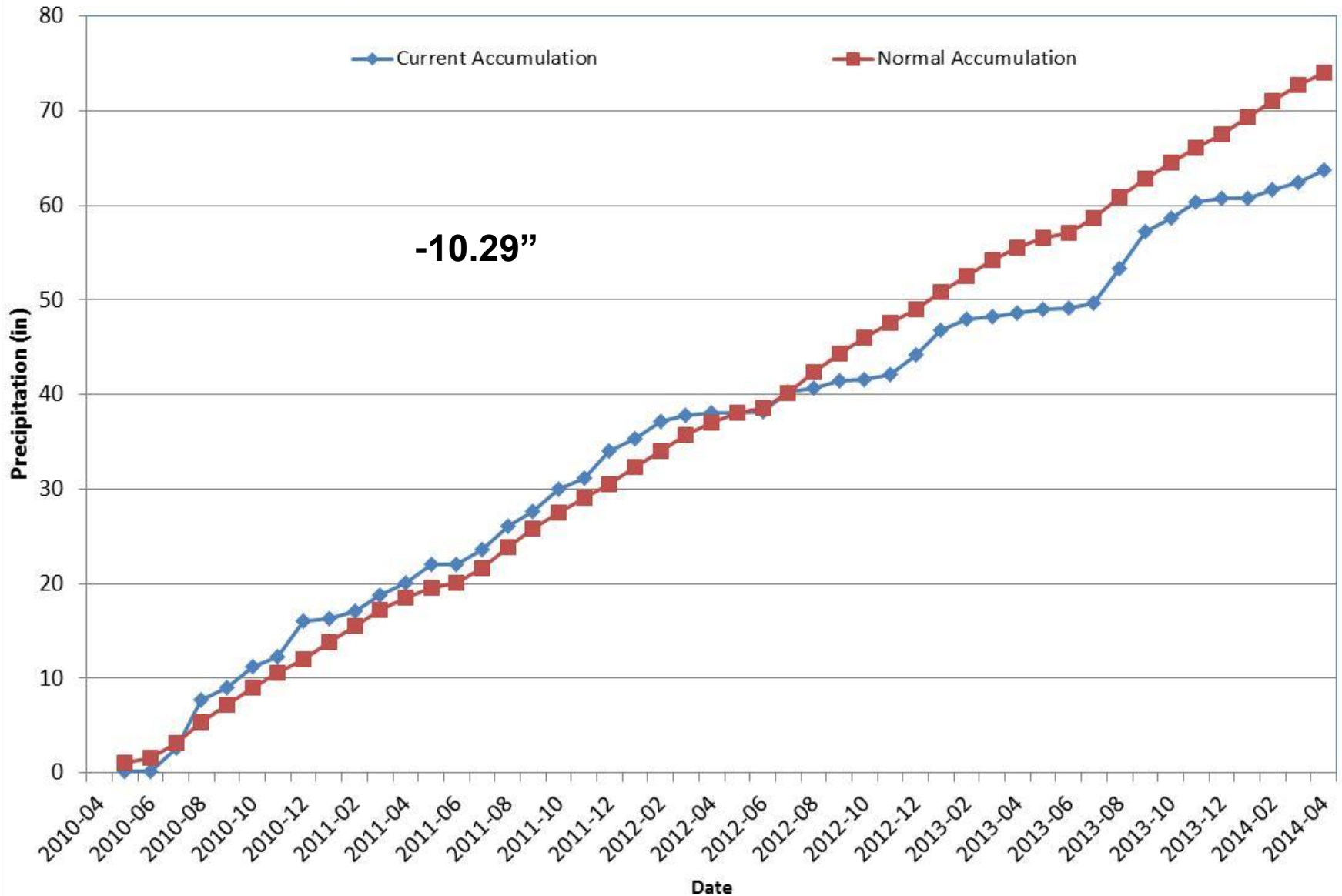
Division 3 – Mesa Verde NP

Mesa Verde NP 2014 Water Year



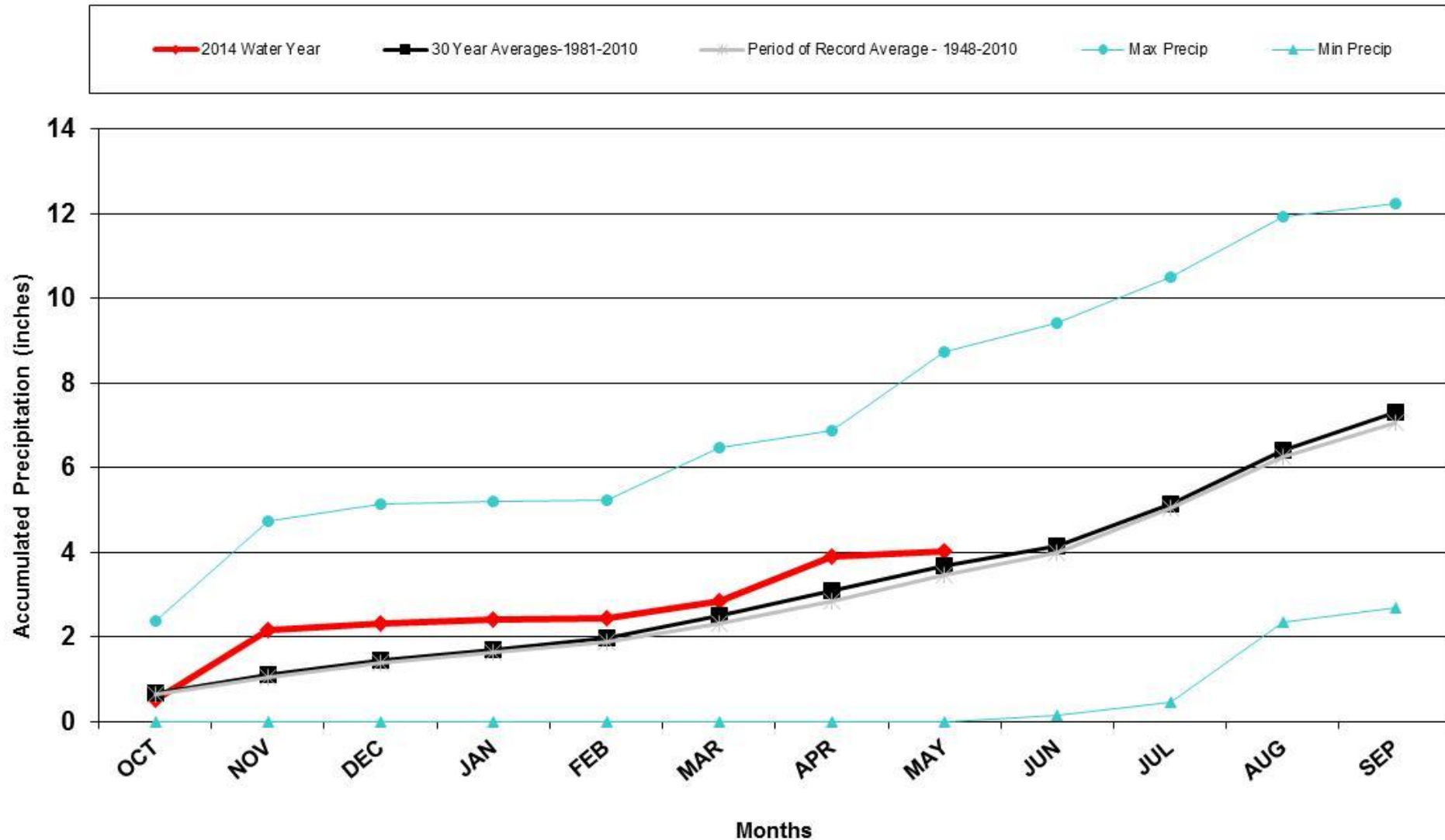
Division 3 – Mesa Verde NP

Mesa Verde NP Precipitation Accumulation



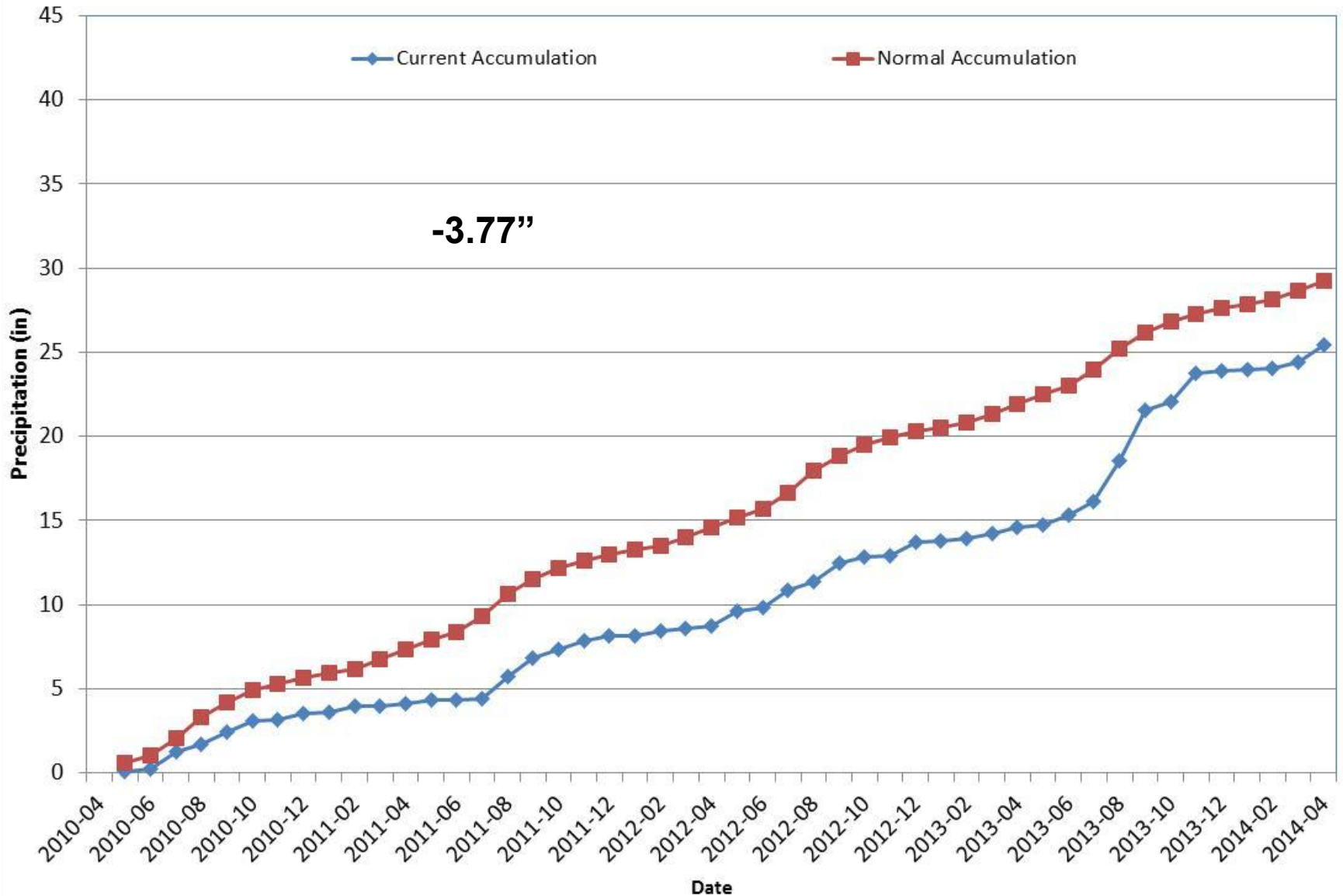
Division 4 – Alamosa

Alamosa WSO 2014 Water Year



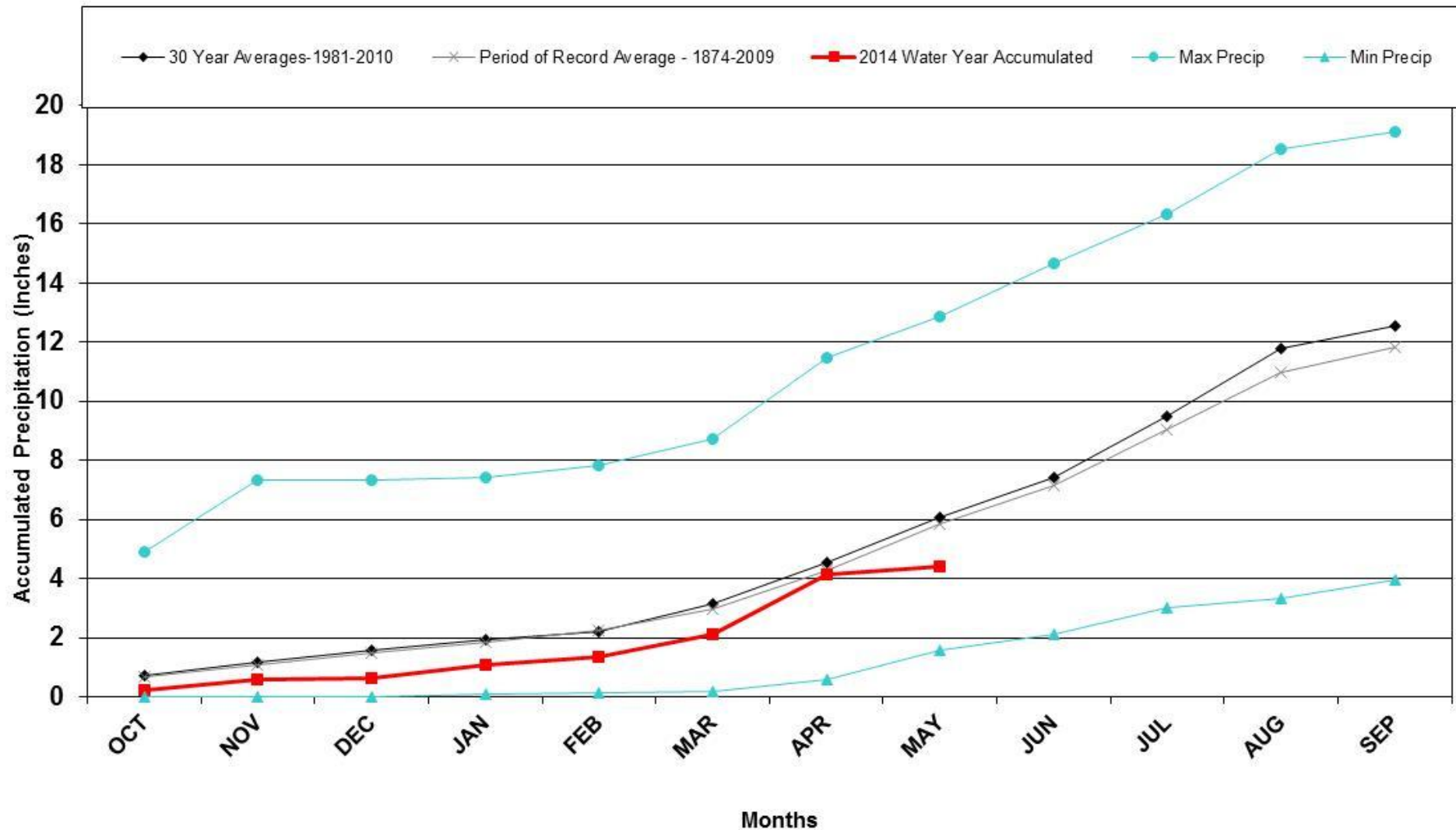
Division 4 – Alamosa

Alamosa WSO Precipitation Accumulation



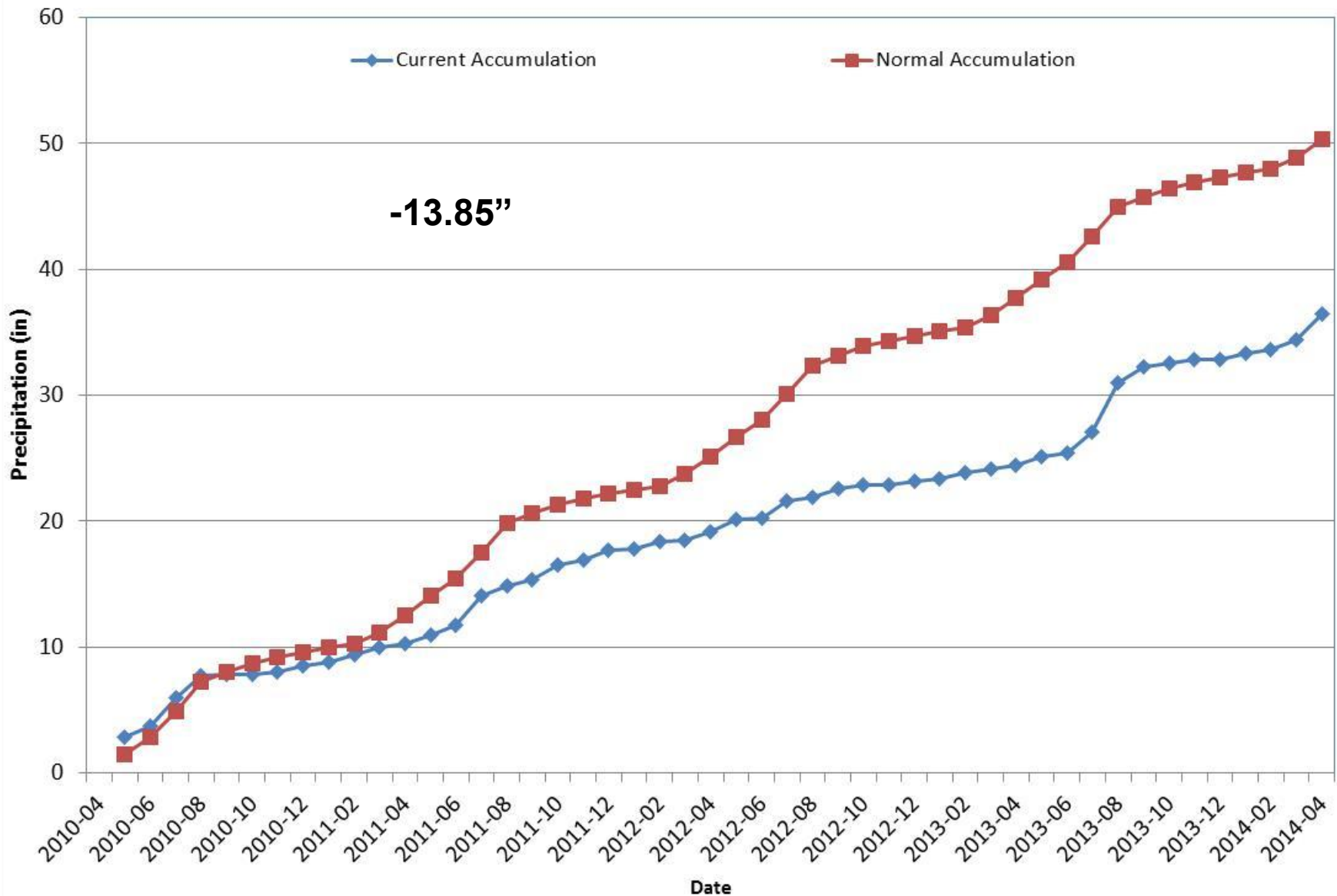
Division 5 – Pueblo

Pueblo WSO 2014 Water Year



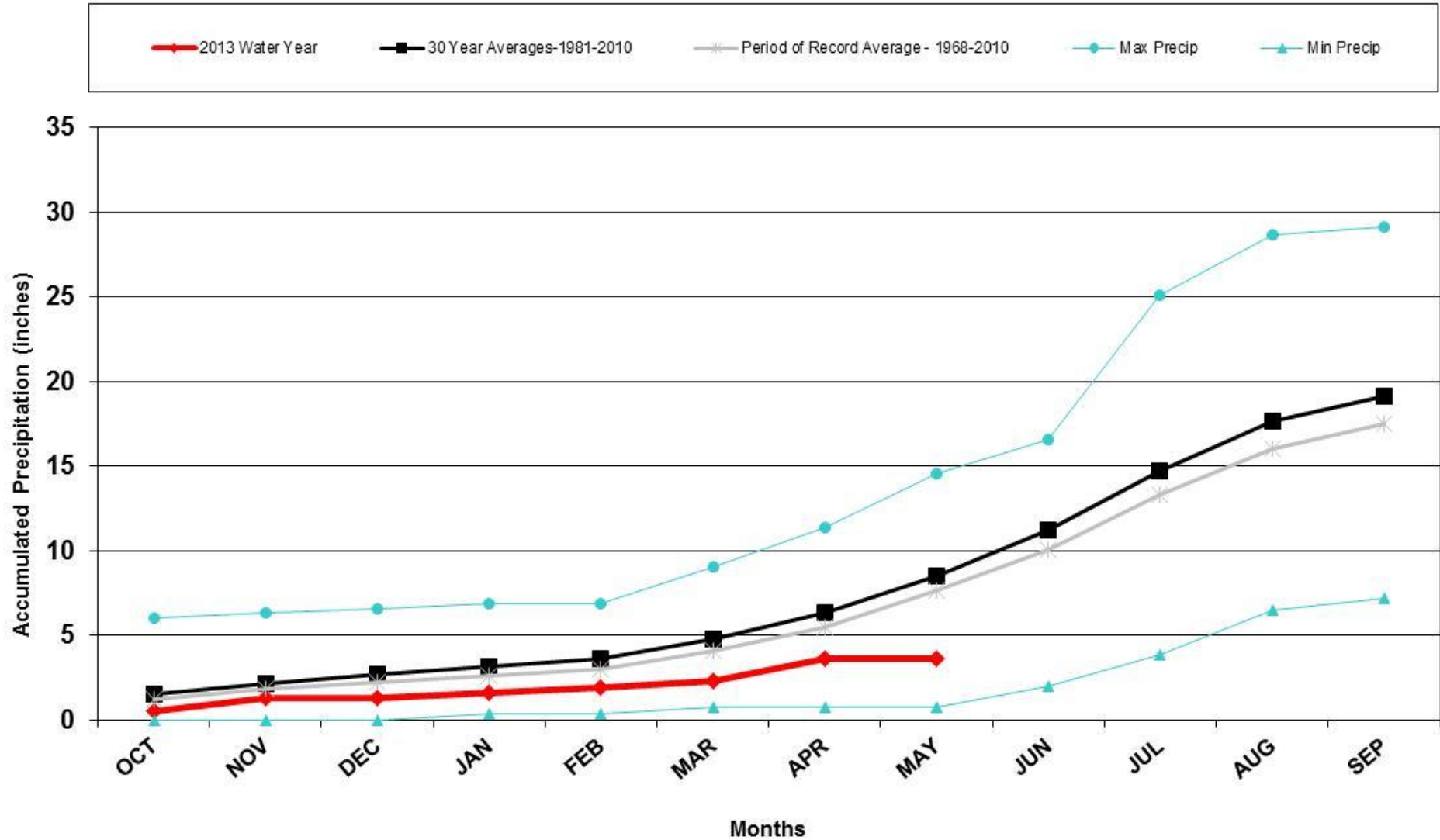
Division 5 – Pueblo

Pueblo Memorial AP Precipitation Accumulation



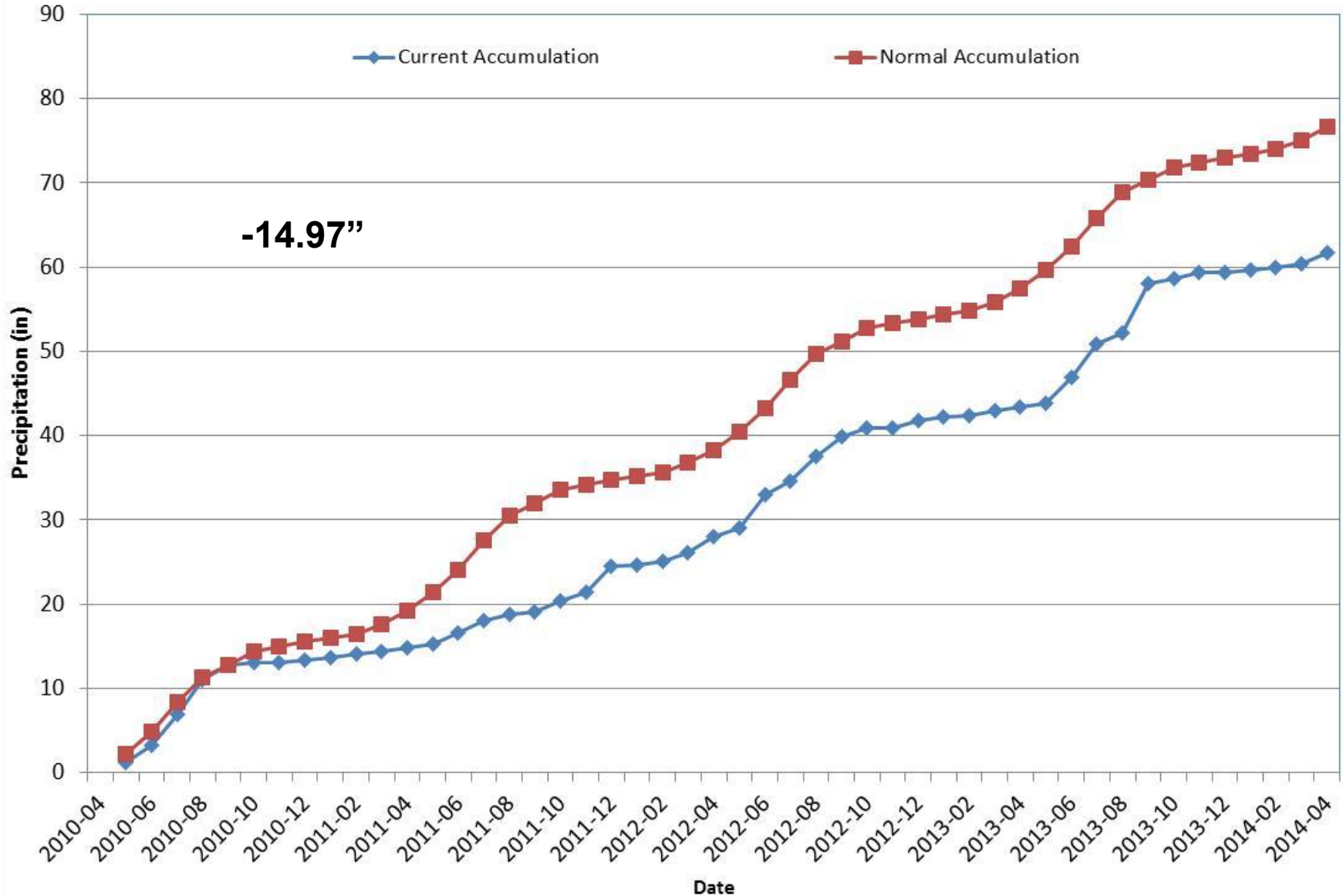
Division 6 - Walsh

Walsh 2014 Water Year



Division 6 - Walsh

Walsh 1W Precipitation Accumulation



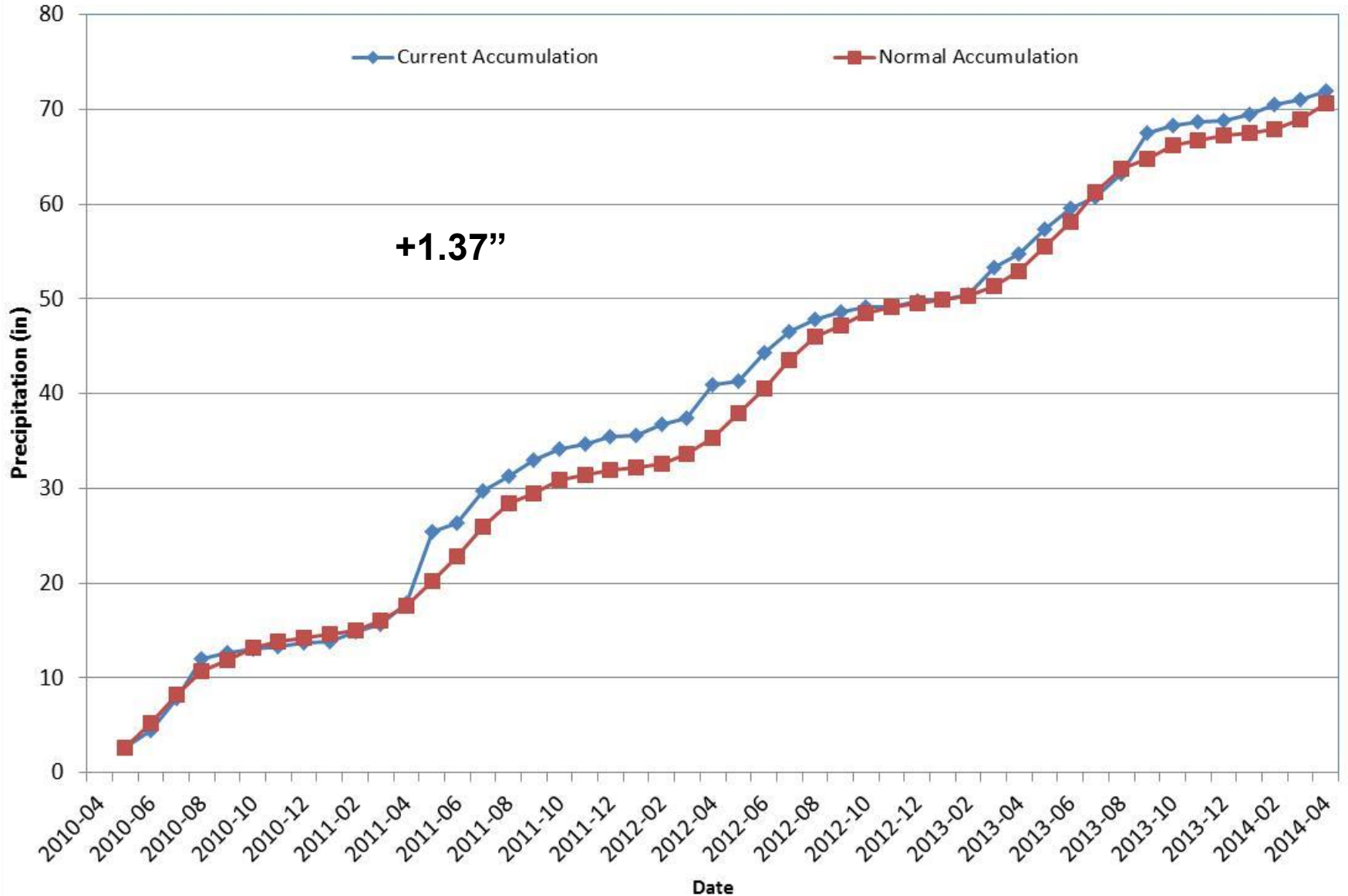
Division 6 - Burlington

Burlington 2014 Water Year



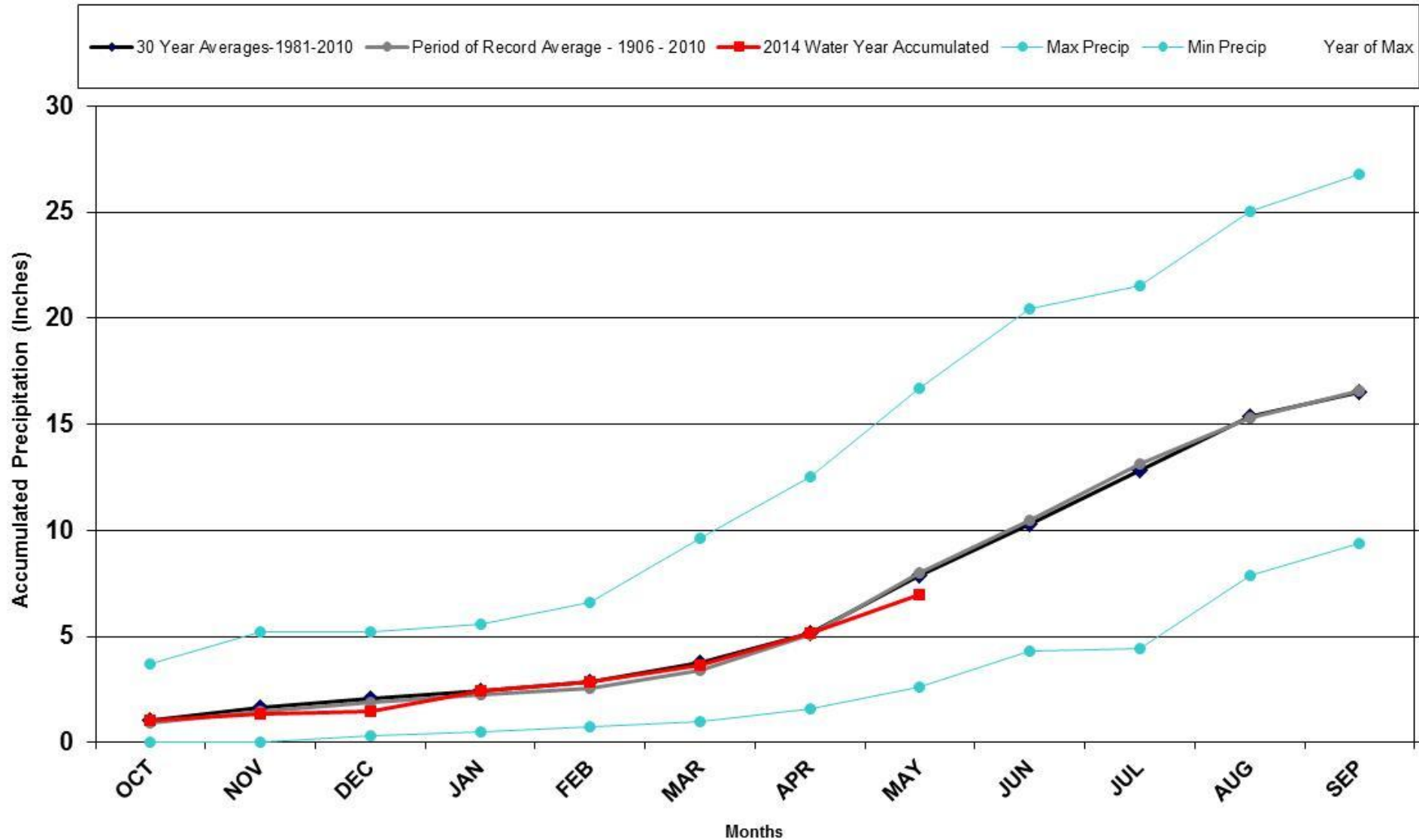
Division 6 - Burlington

Burlington, CO Precipitation Accumulation



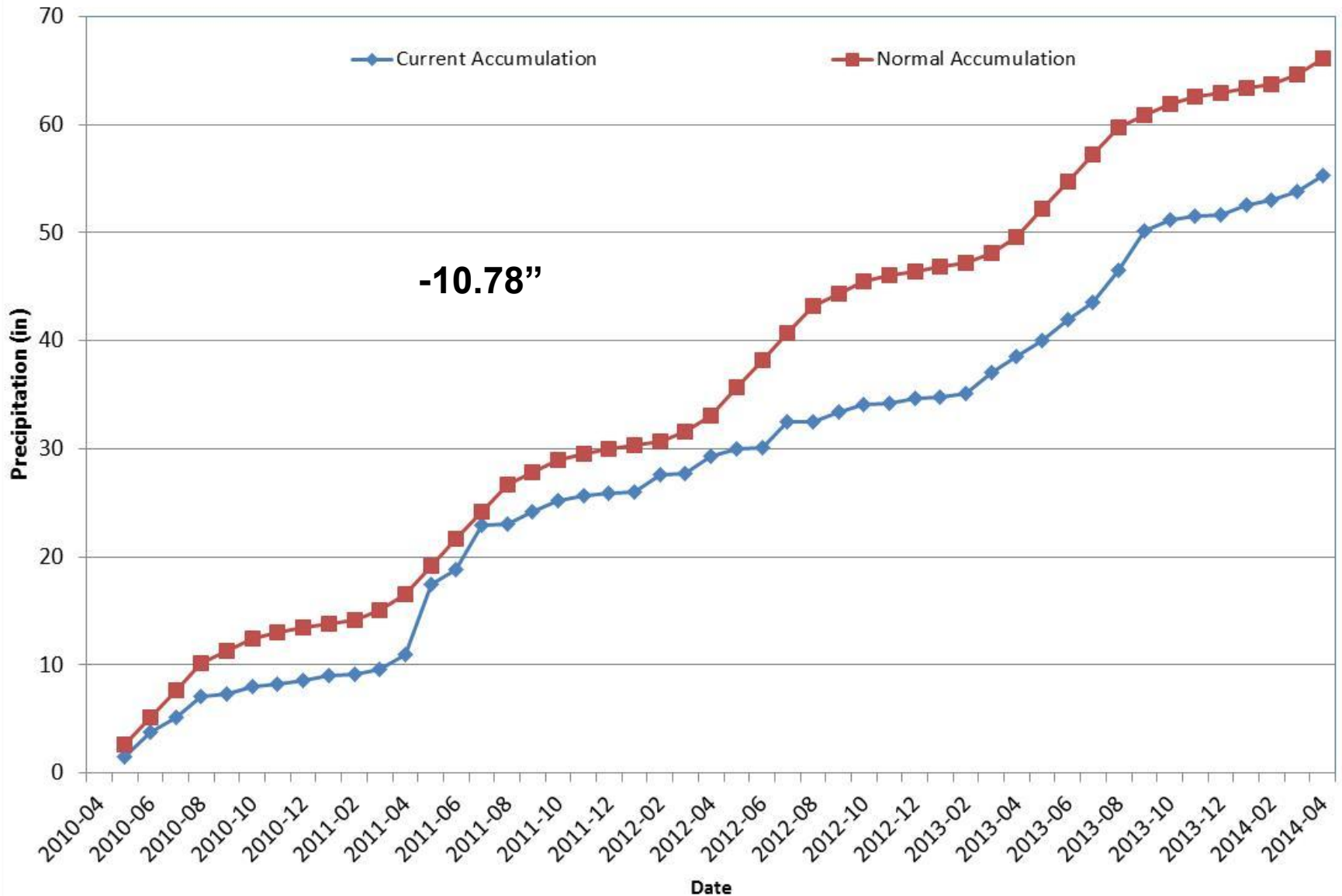
Division 7 – Akron

Akron 4E 2014 Water Year



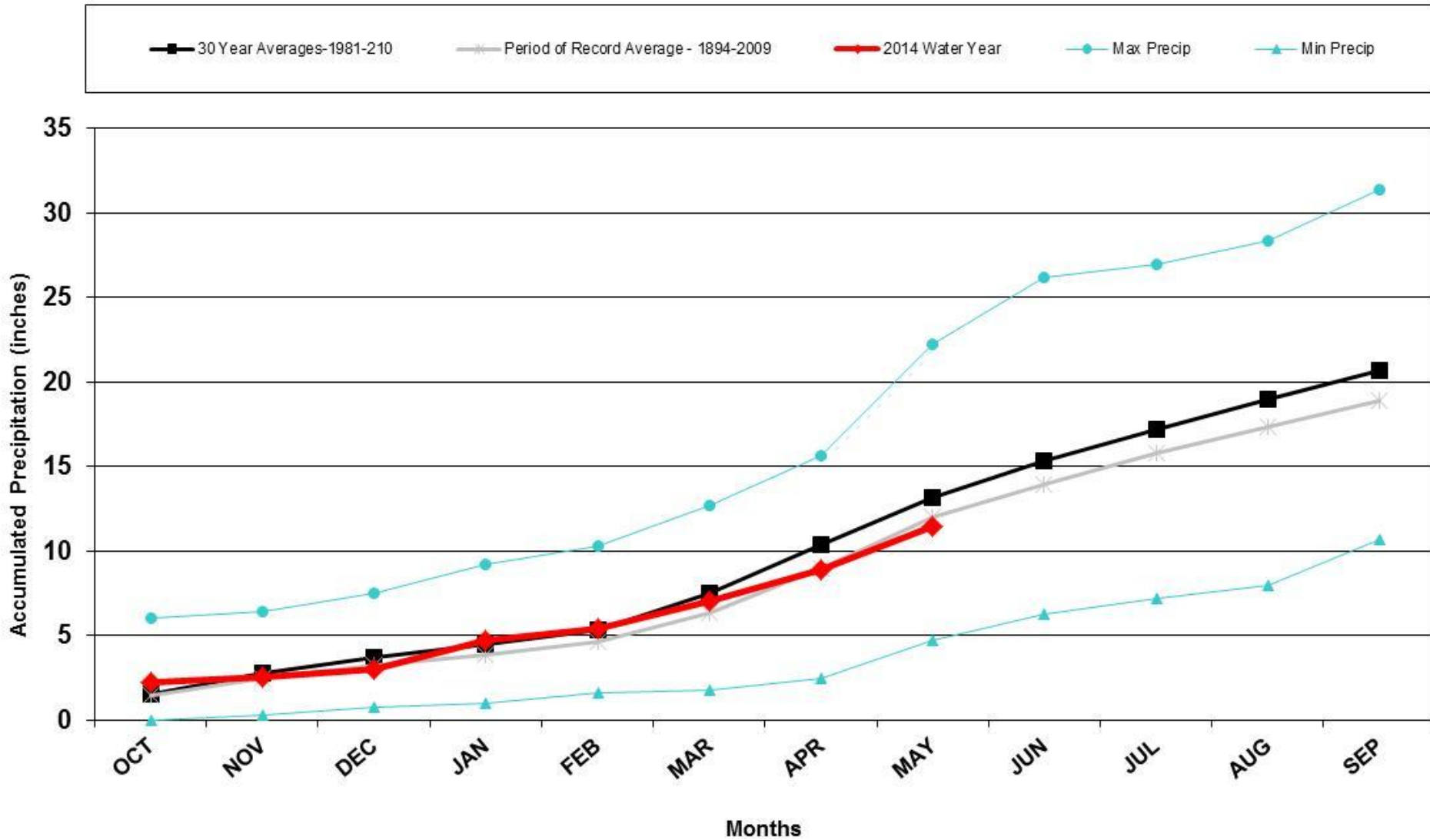
Division 7 – Akron

Akron 4E Precipitation Accumulation



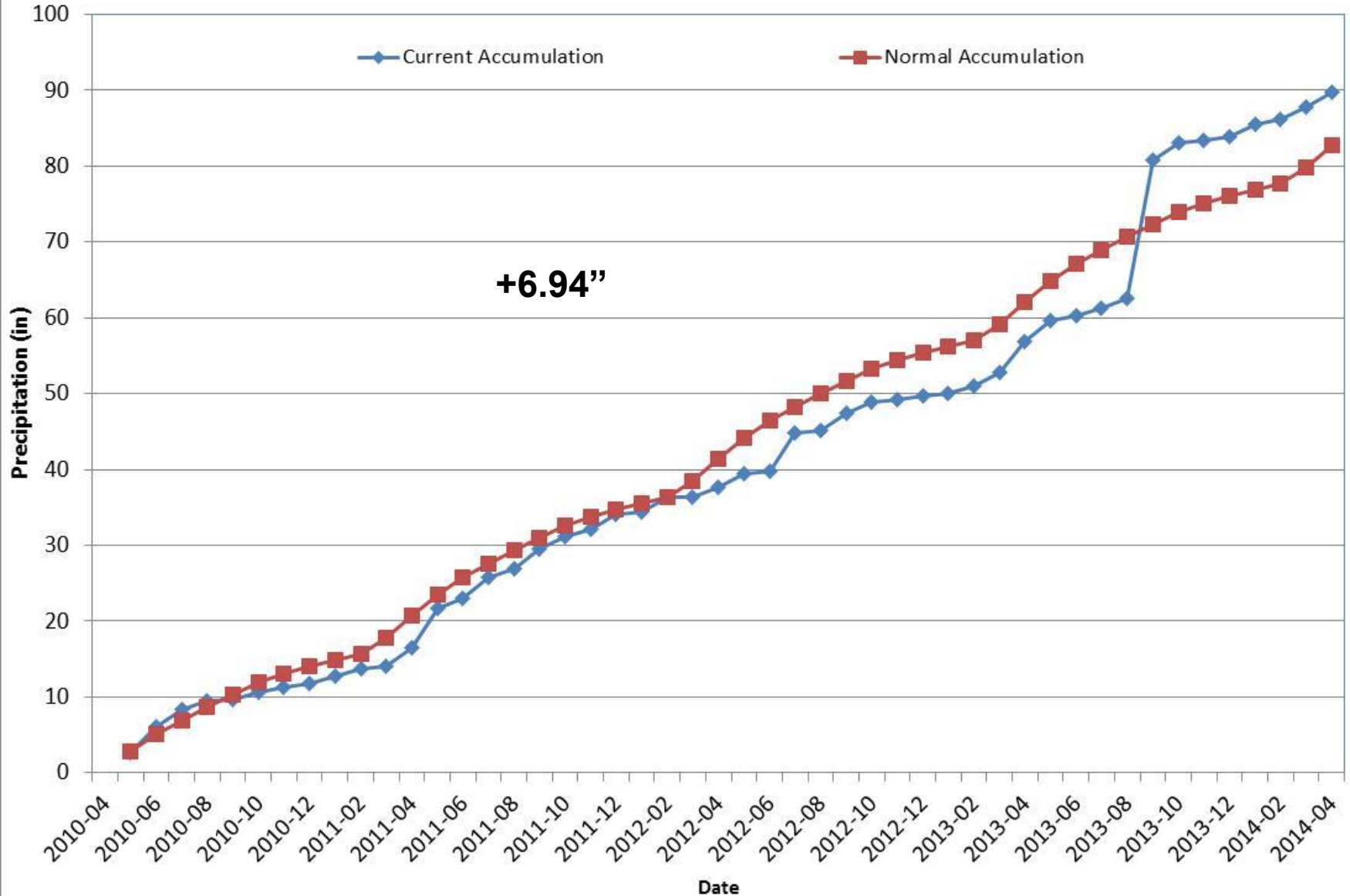
Division 8 - Boulder

Boulder 2014 Water Year



Division 8 - Boulder

Boulder Precipitation Accumulation

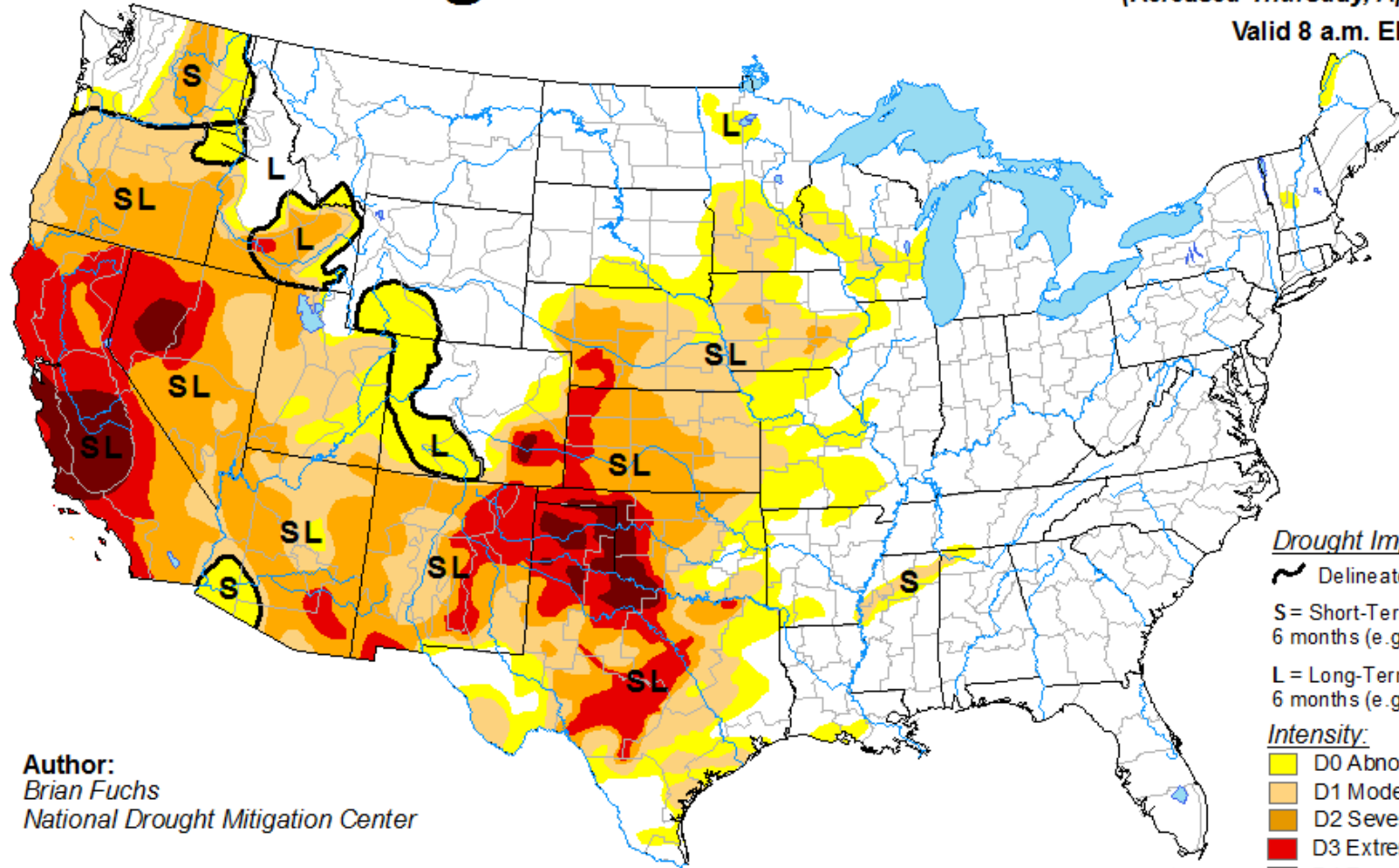


U.S. Drought Monitor

April 8, 2014

(Released Thursday, Apr. 10, 2014)

Valid 8 a.m. EDT



Author:
Brian Fuchs
National Drought Mitigation Center

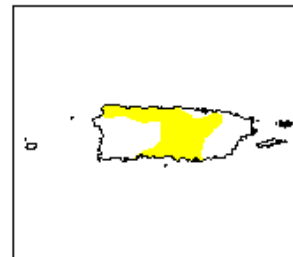
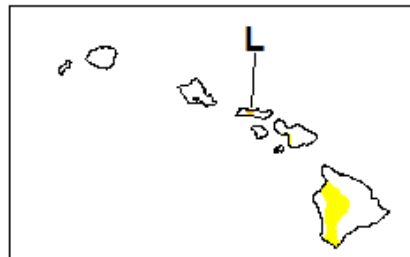
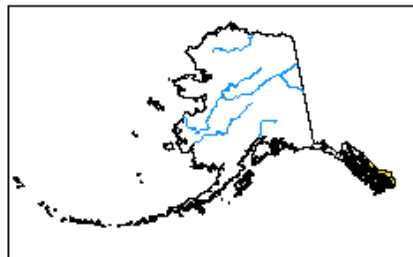
Drought Impact Types:

- ~ Delineates dominant impacts
- S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
- L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

Intensity:

- Yellow: D0 Abnormally Dry
- Light Orange: D1 Moderate Drought
- Orange: D2 Severe Drought
- Red: D3 Extreme Drought
- Dark Red: D4 Exceptional Drought

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



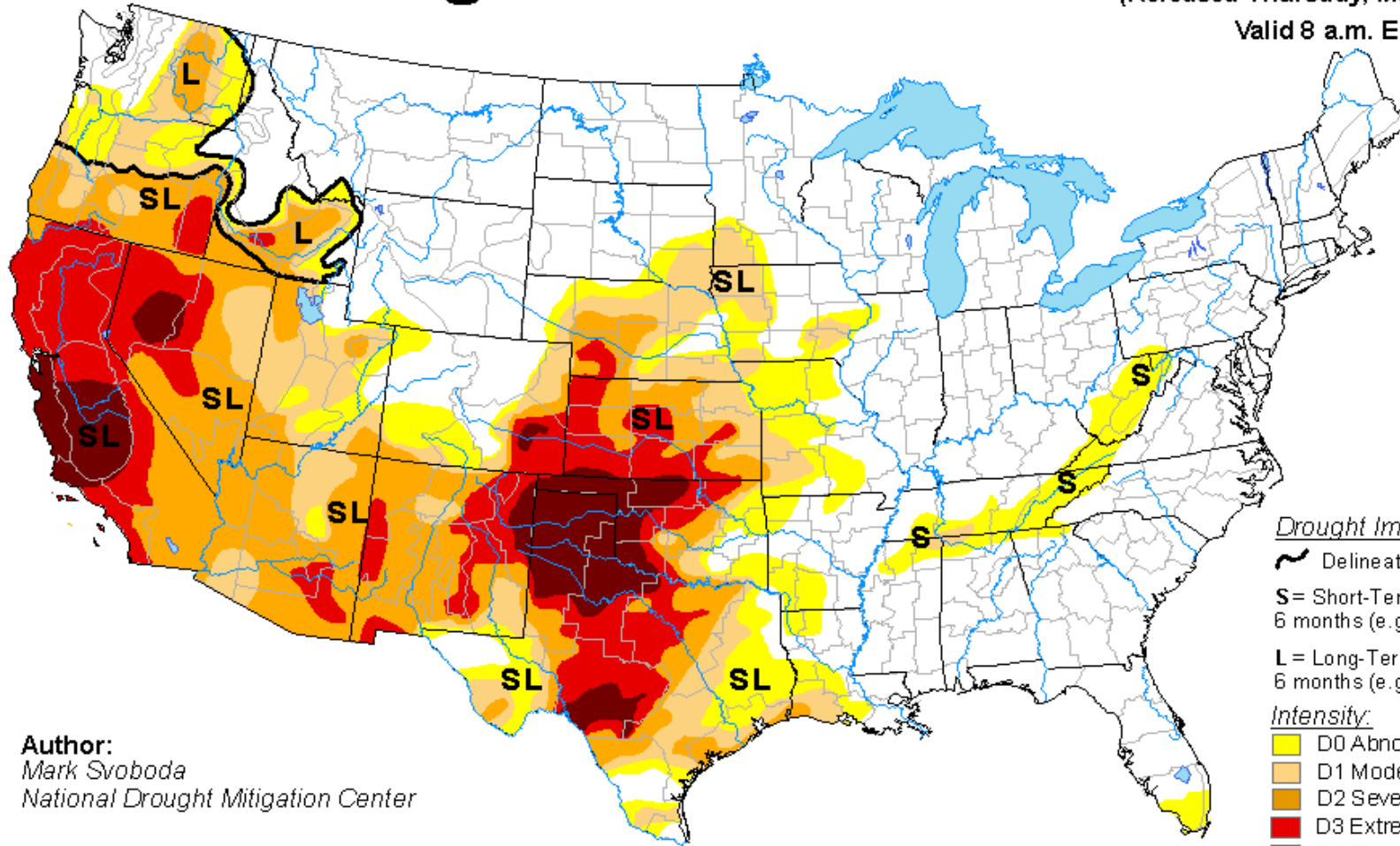
<http://droughtmonitor.unl.edu/>

U.S. Drought Monitor

May 13, 2014

(Released Thursday, May 15, 2014)

Valid 8 a.m. EDT



Author:
Mark Svoboda
National Drought Mitigation Center

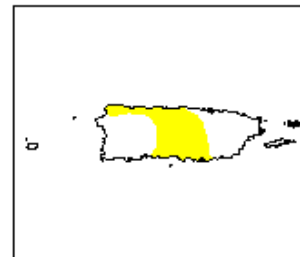
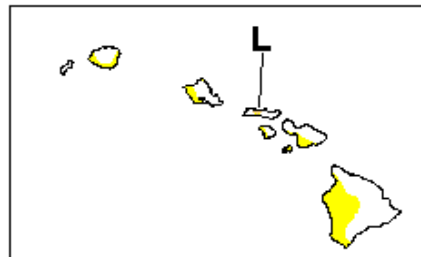
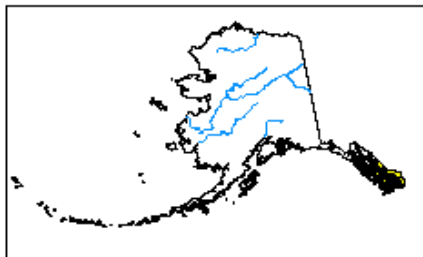
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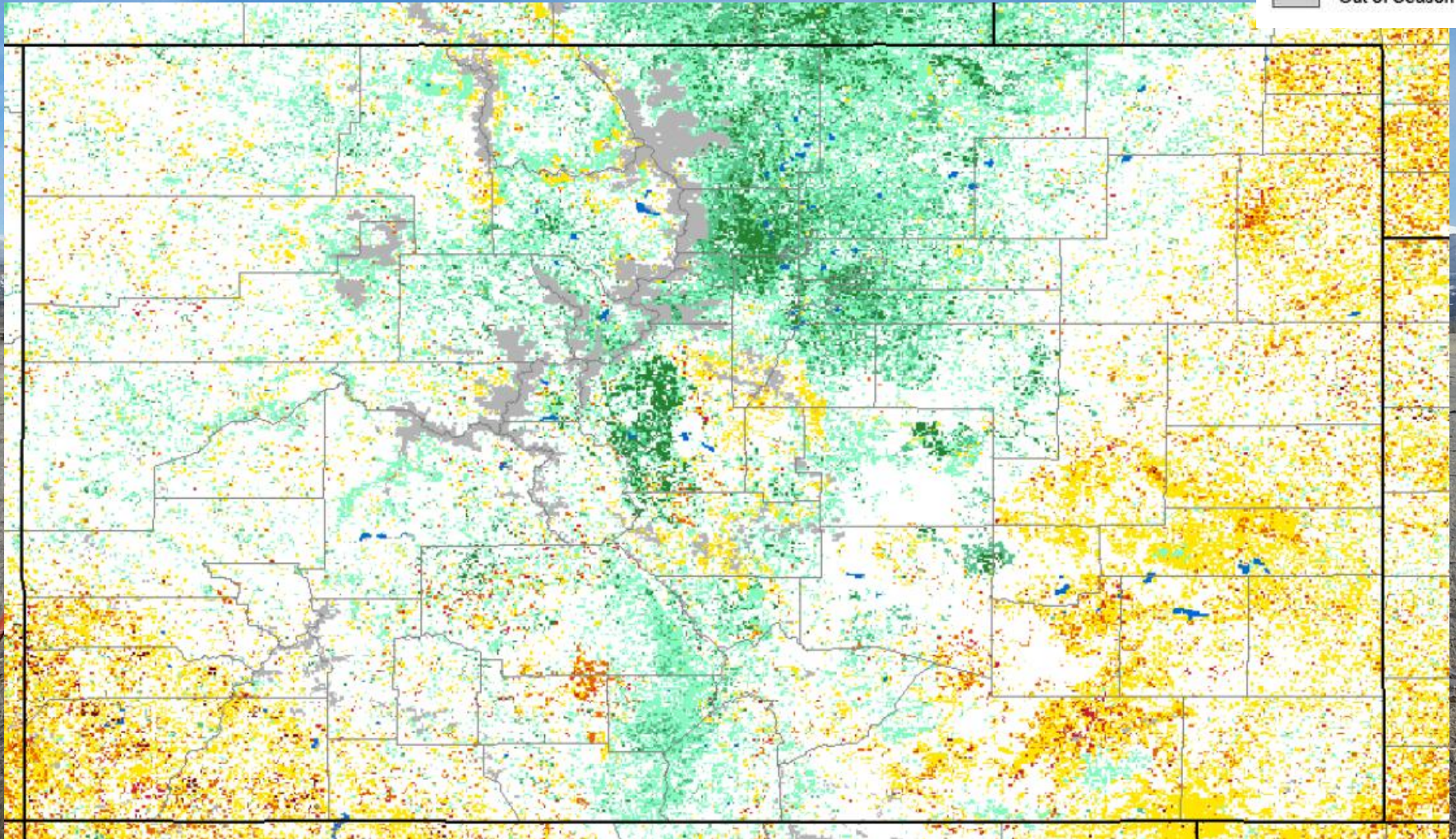
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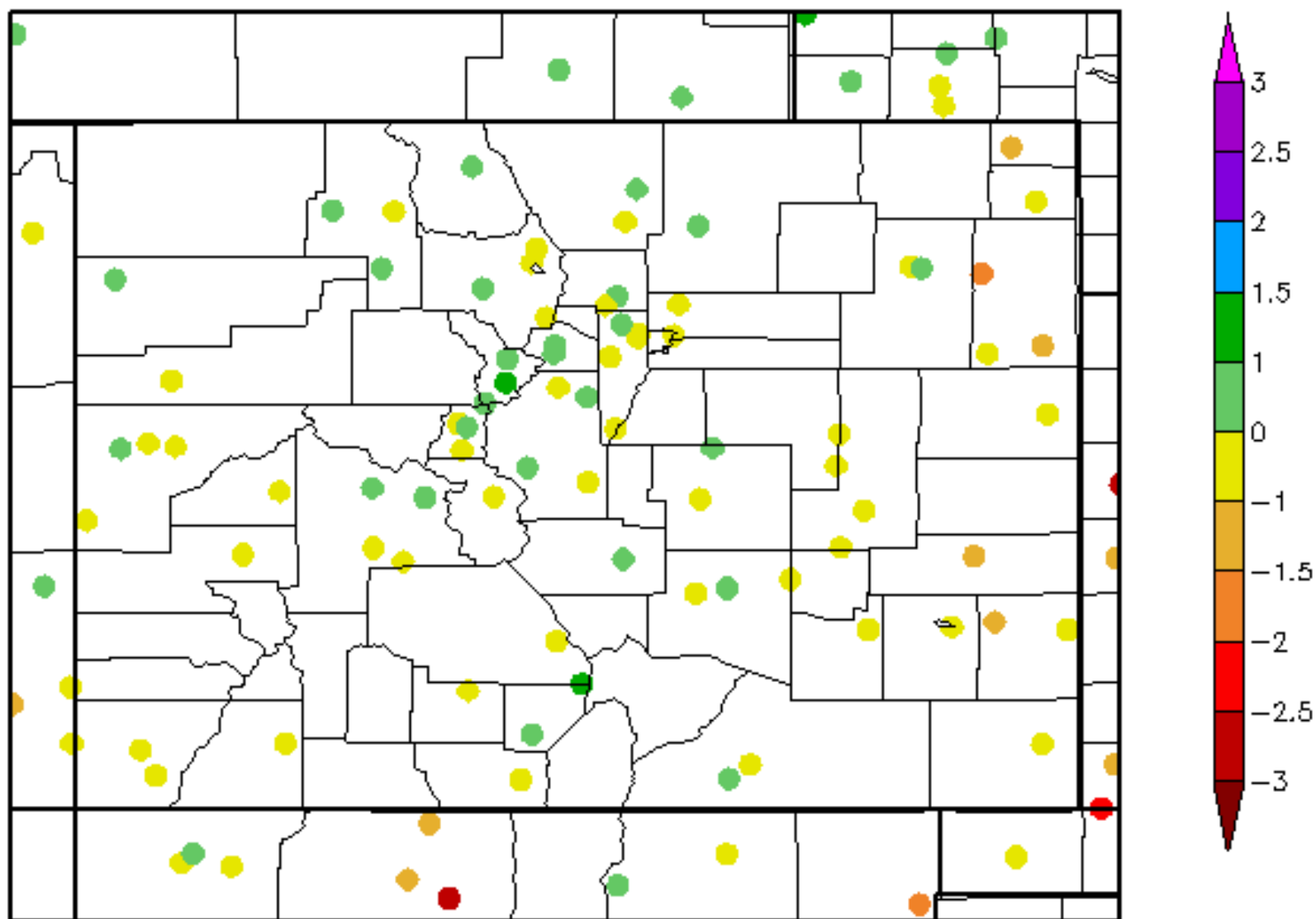
<http://droughtmonitor.unl.edu/>

VegDri- 5/1 1/14



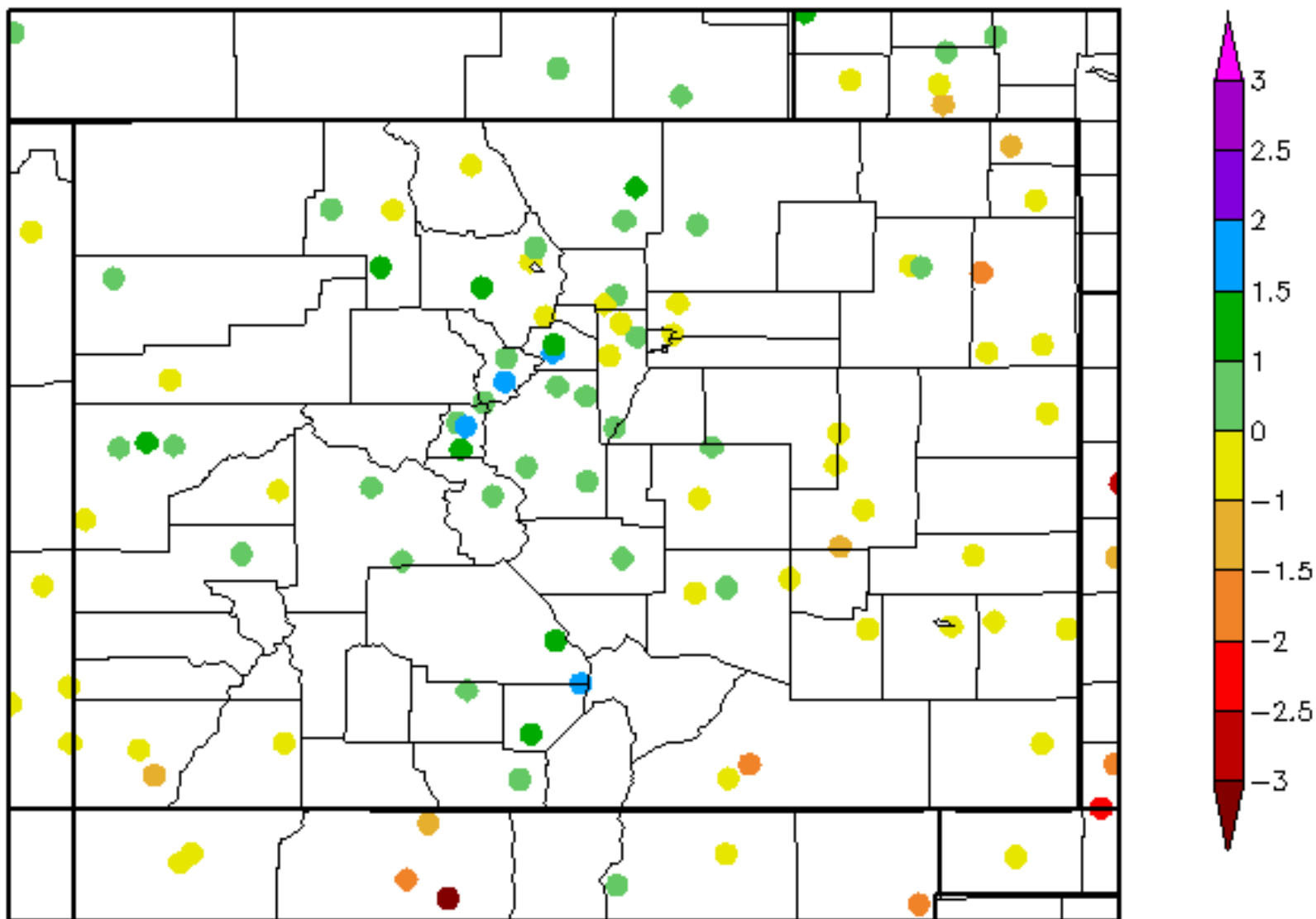
90 Day SPI

2/14/2014 - 5/14/2014

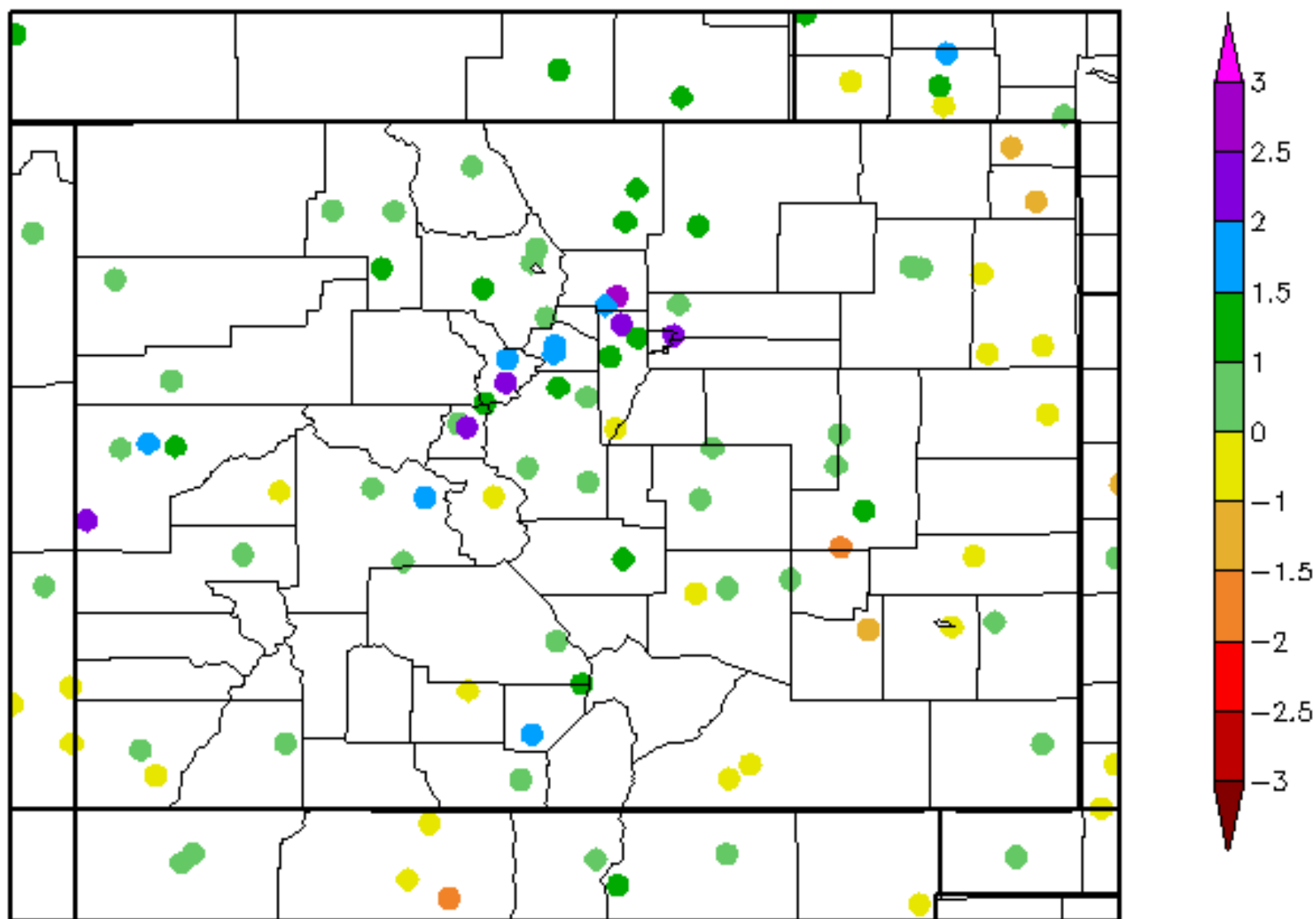


6 Month SPI

11/15/2013 - 5/14/2014

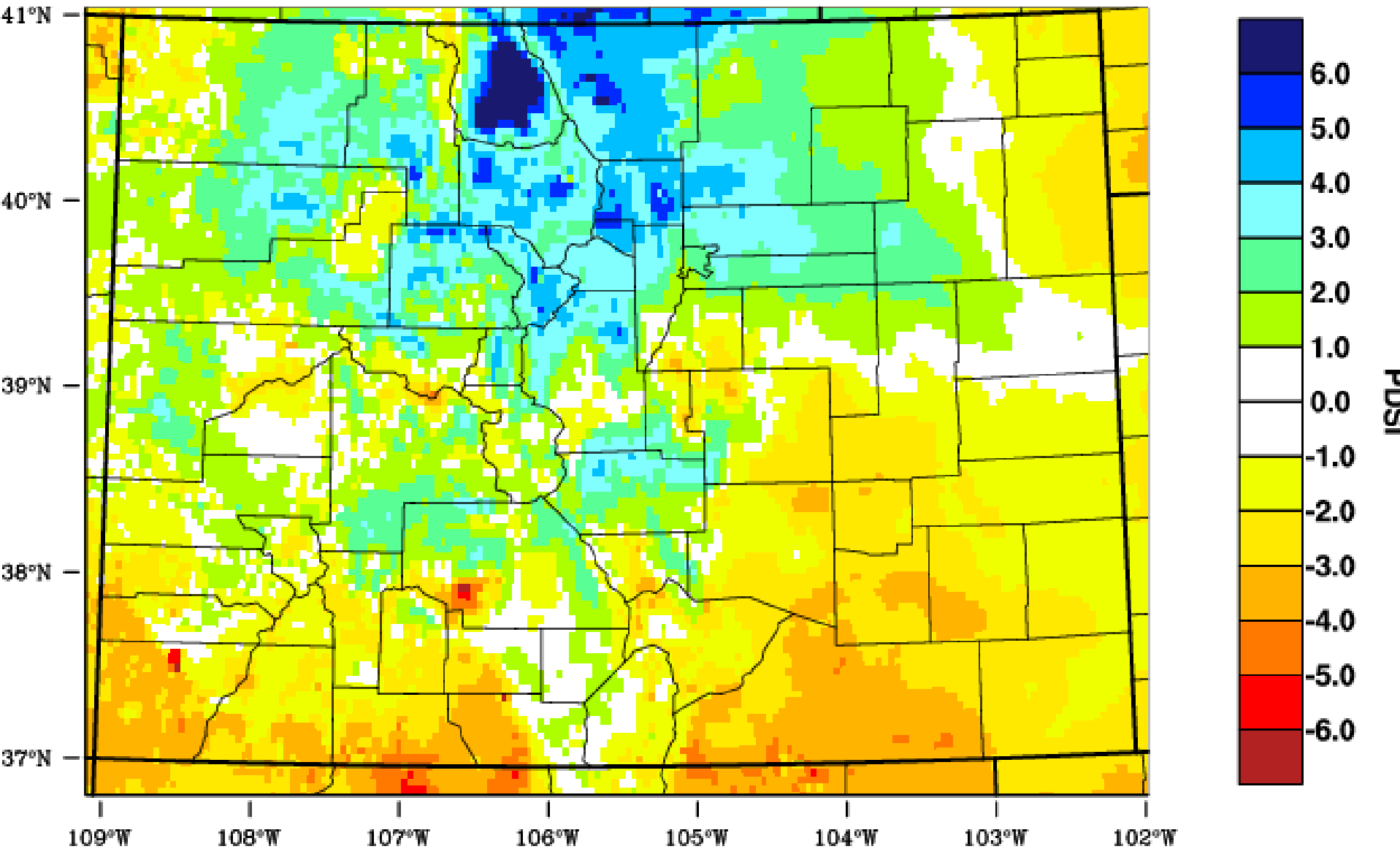


12 Month SPI 5/15/2013 - 5/14/2014



Colorado - PDSI

April 2014



WestWide Drought Tracker - WRCC/UI Data Source - PRISM (Prelim), created 11 MAY 2014

Colorado Climate Center

Data and Power Point Presentations available for downloading

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

