

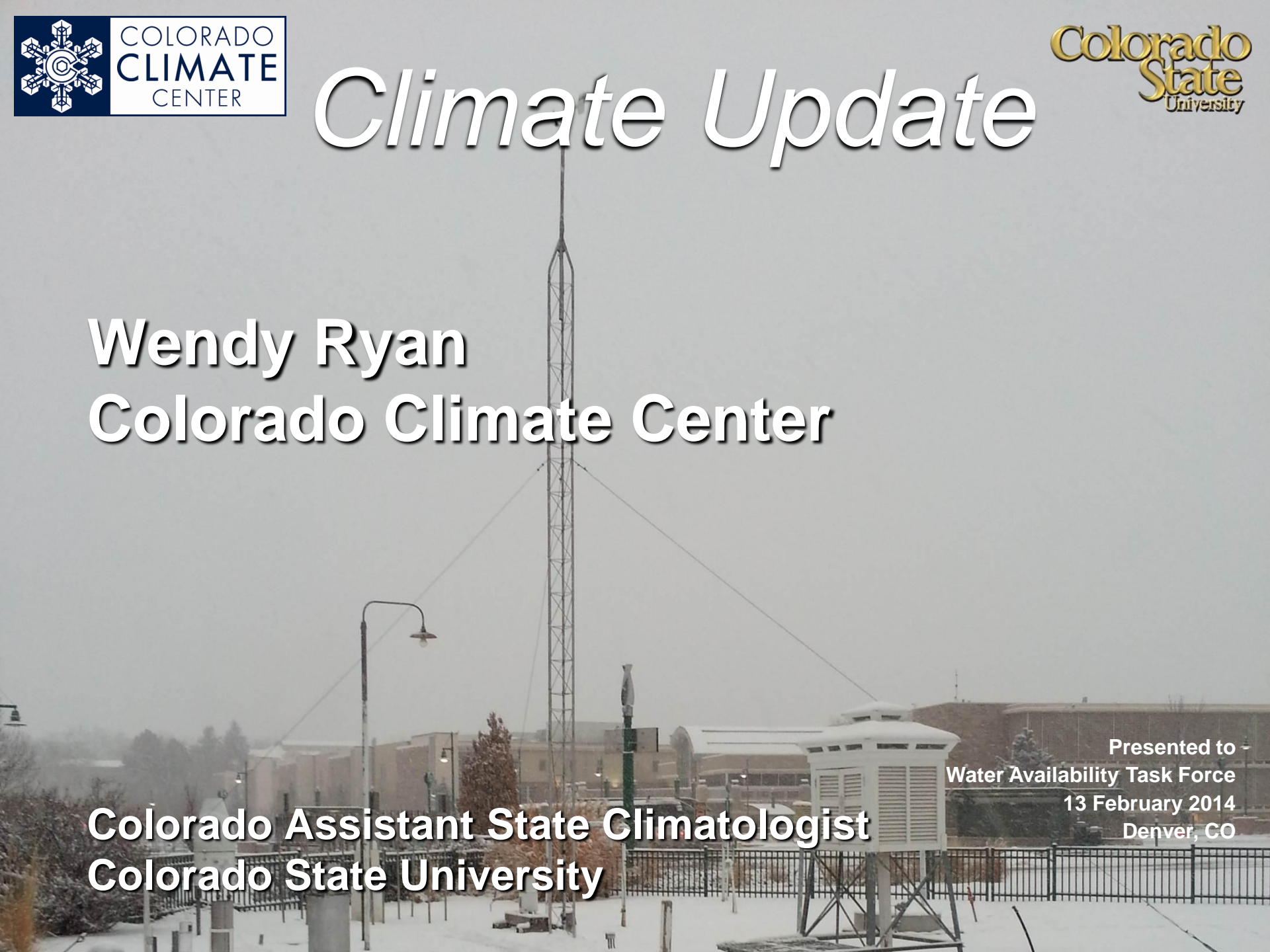


Climate Update

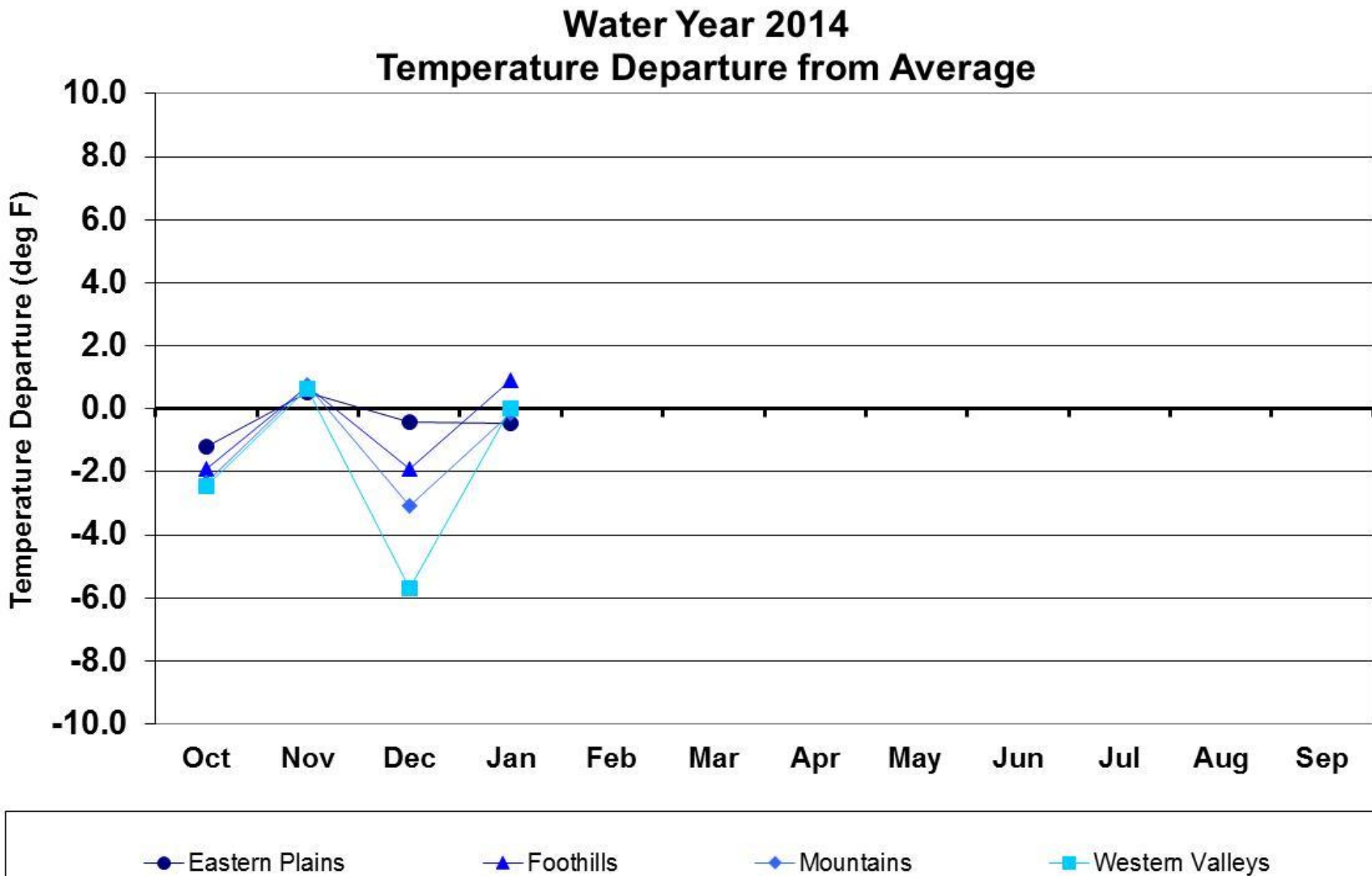
Wendy Ryan
Colorado Climate Center

Colorado Assistant State Climatologist
Colorado State University

Presented to -
Water Availability Task Force
13 February 2014
Denver, CO

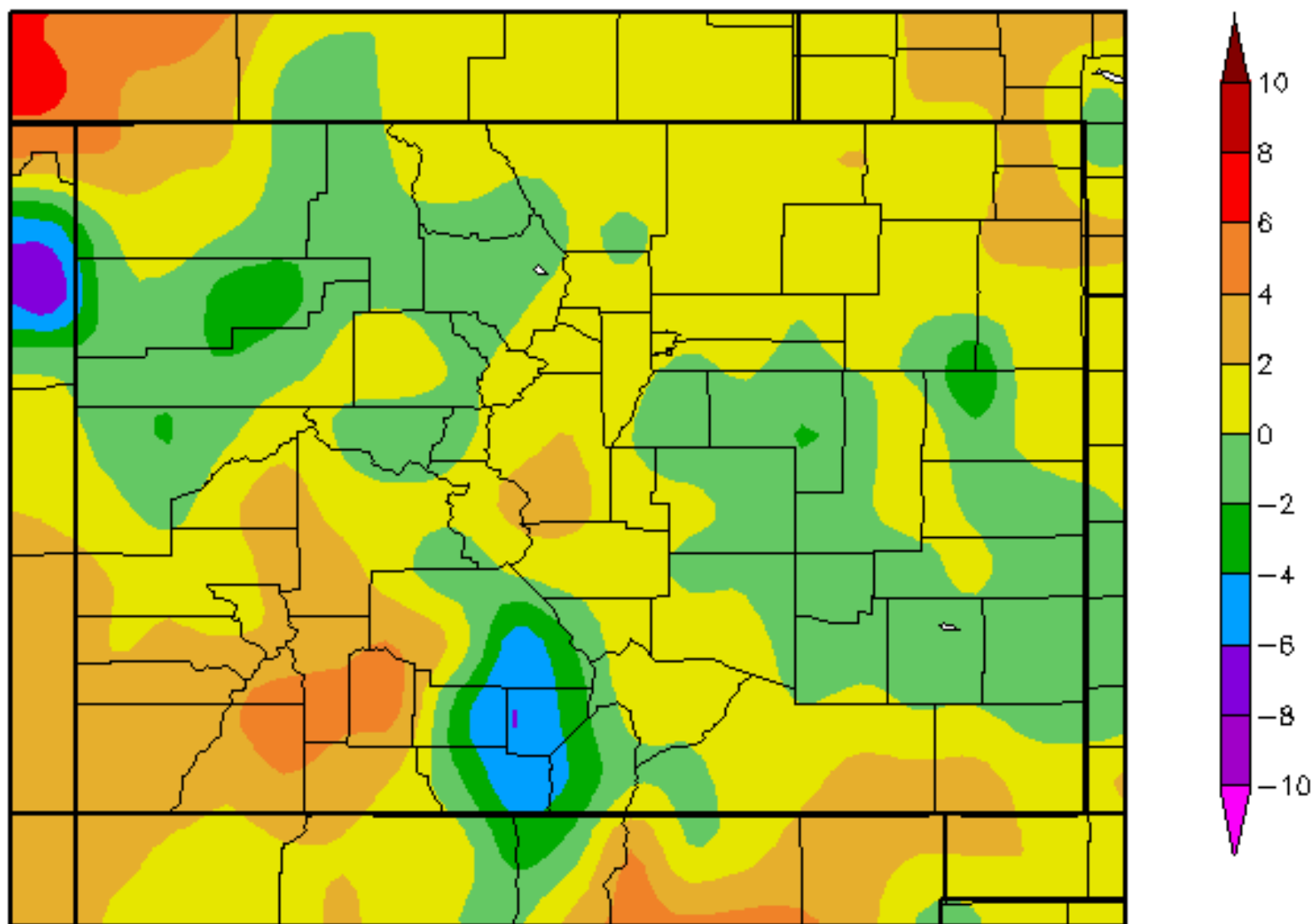


Water Year 2014 Temperature Departures

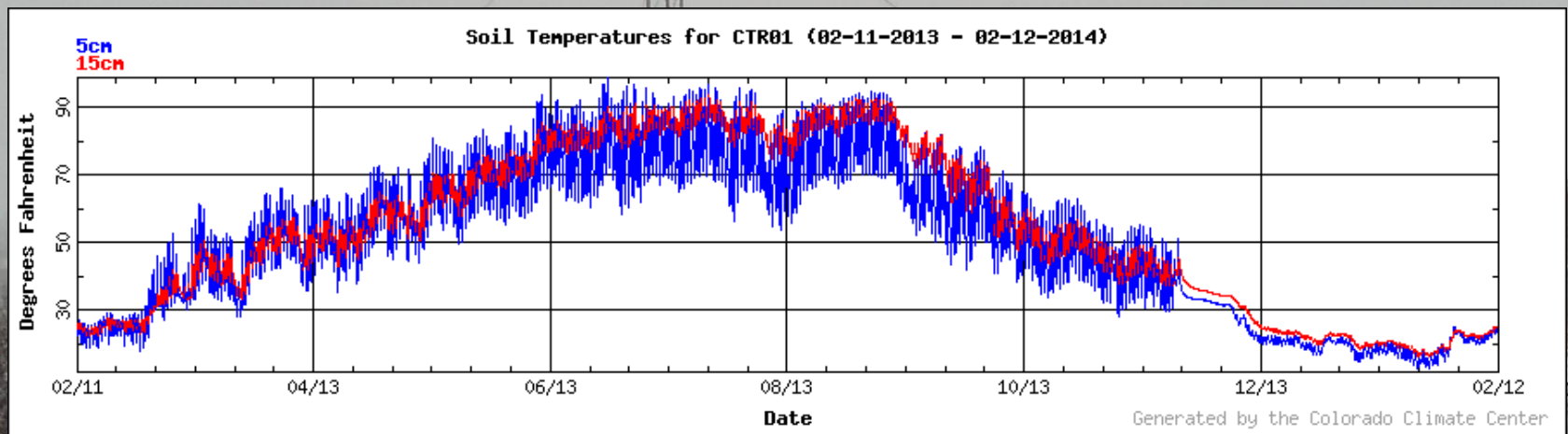
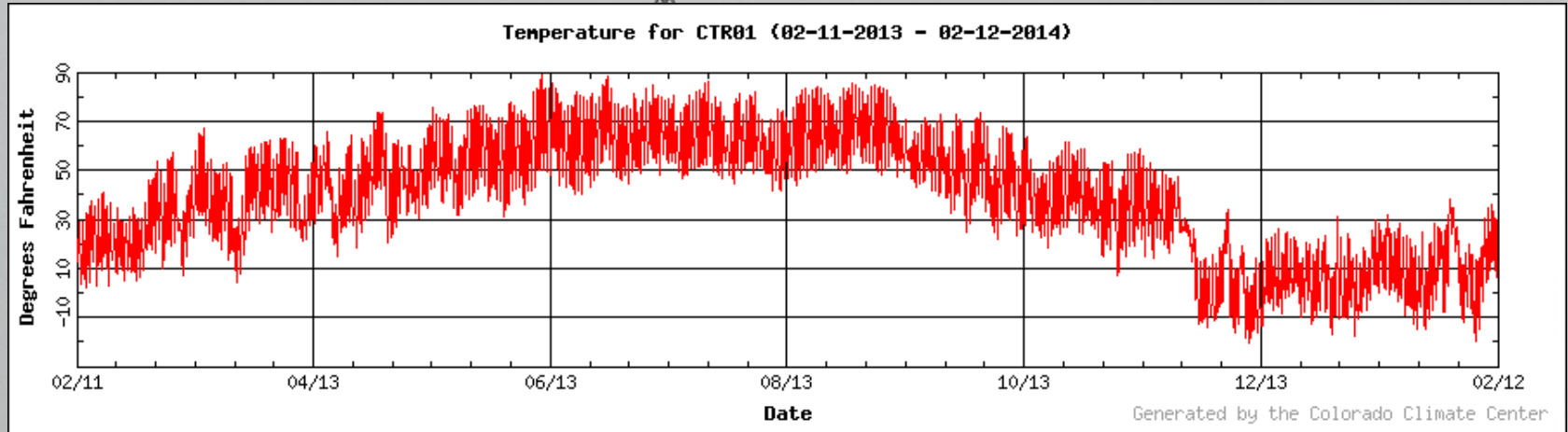


Departure from Normal Temperature (F)

1/1/2014 - 1/31/2014

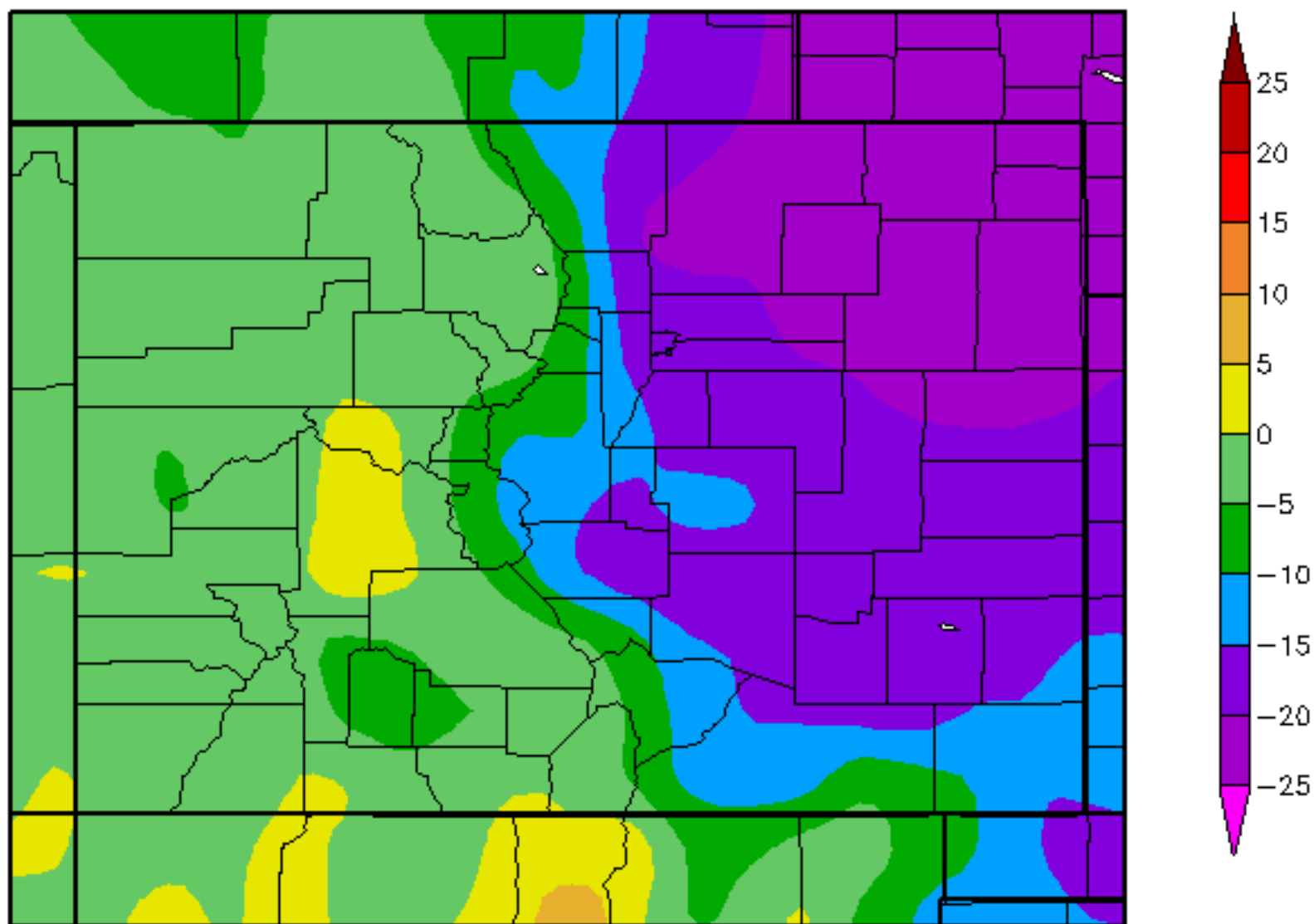


Snowcover and Temperature in SLV

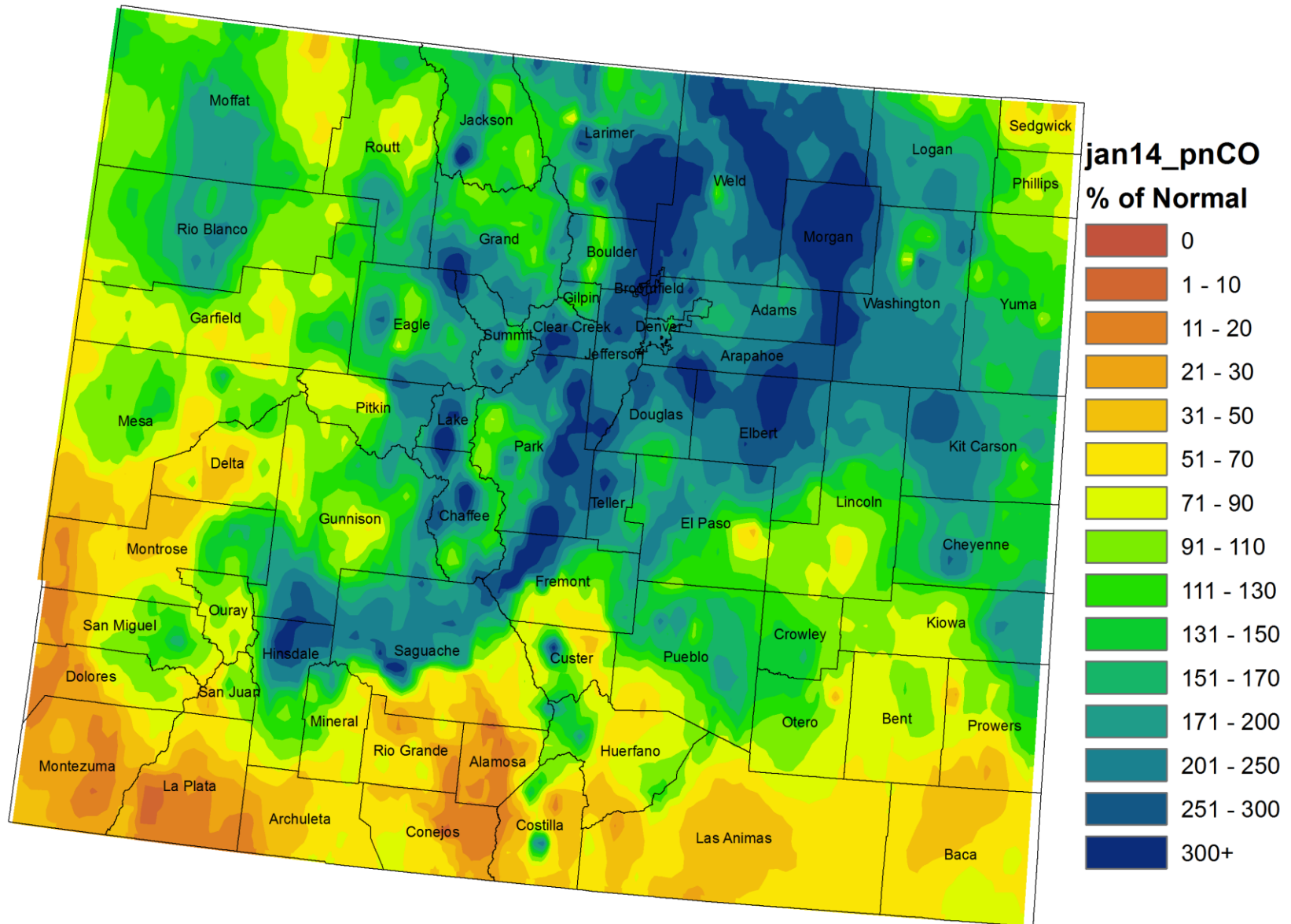


Departure from Normal Temperature (F)

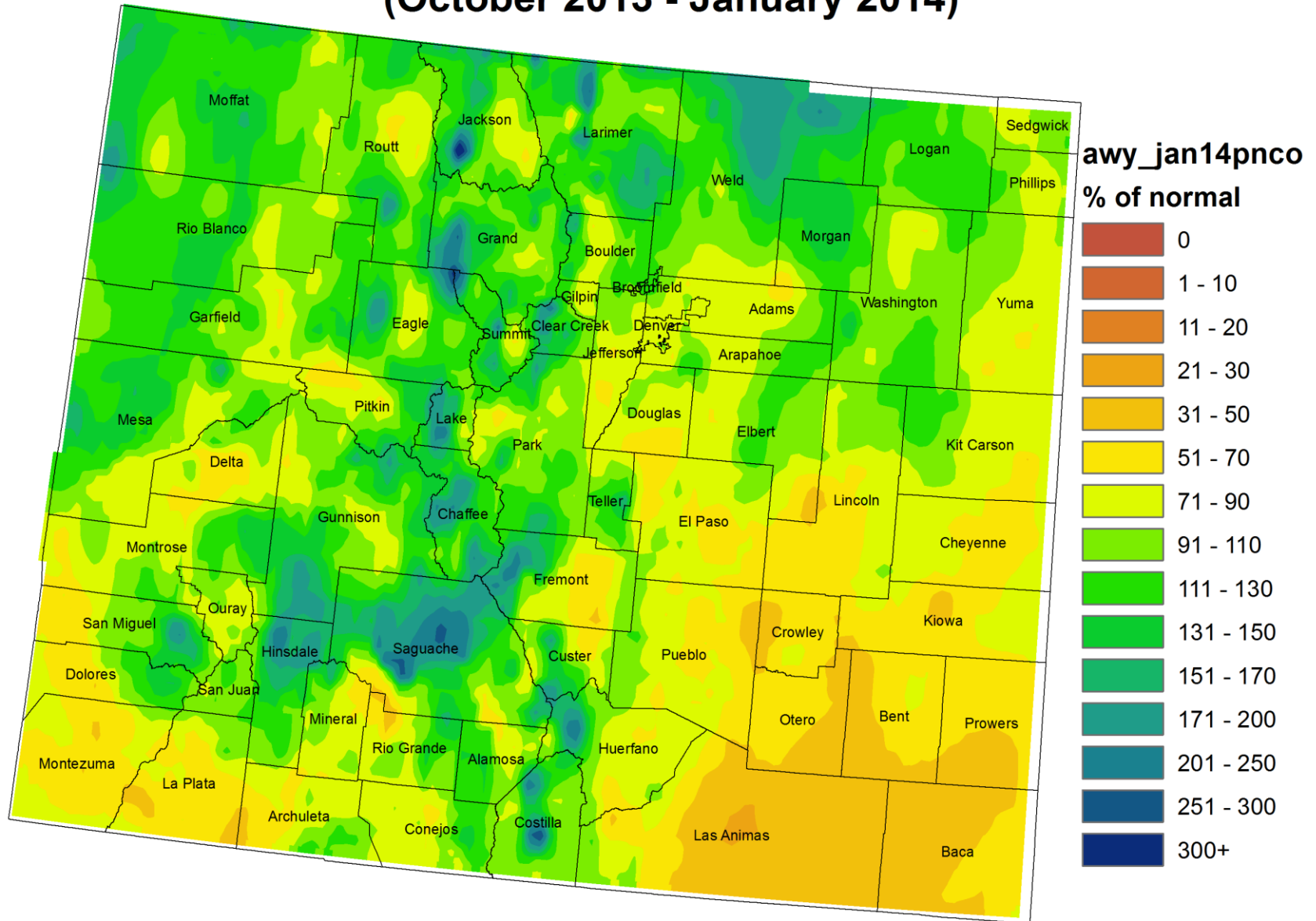
2/1/2014 - 2/11/2014



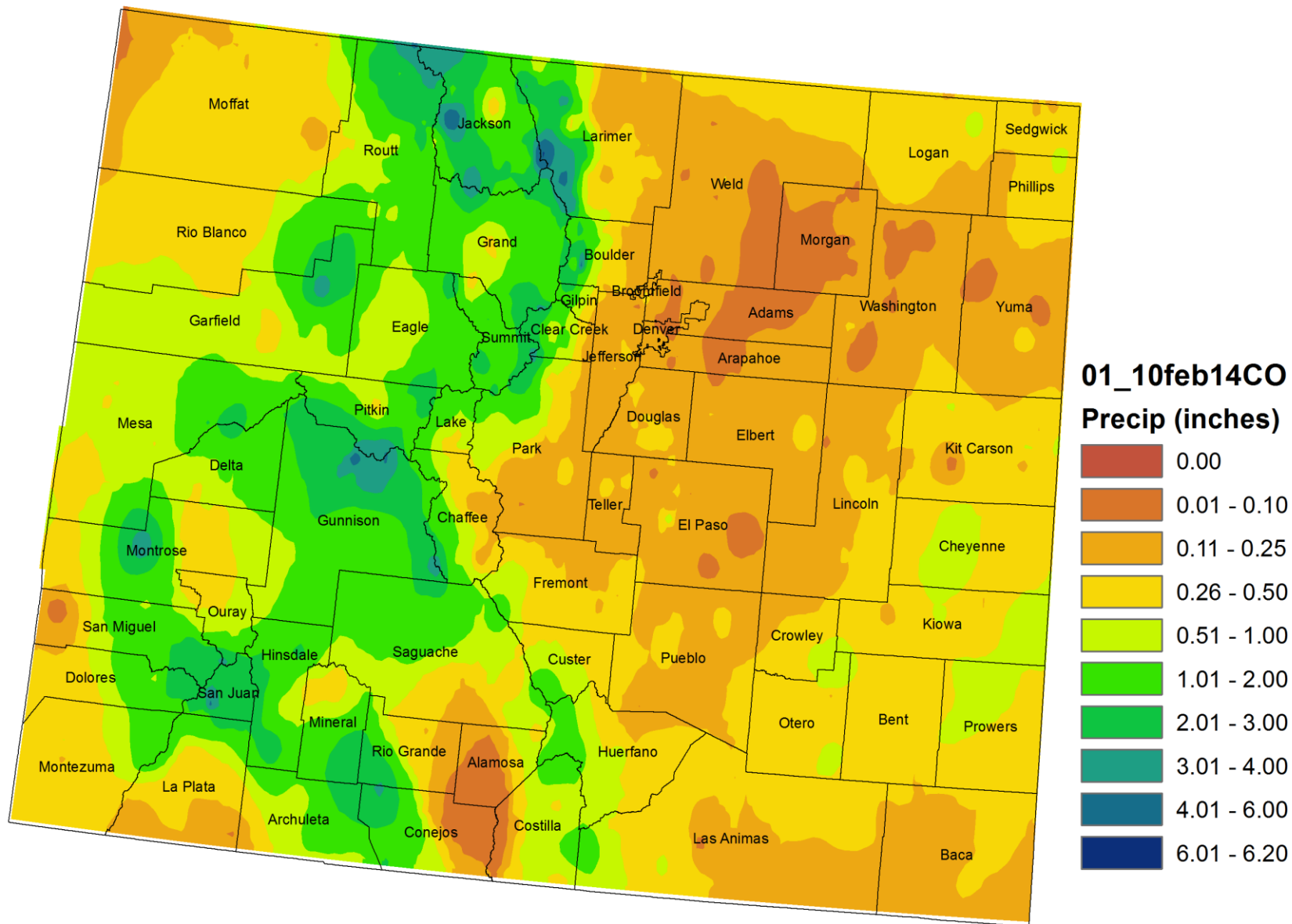
Colorado January 2014 Precipitation as Percentage of Normal



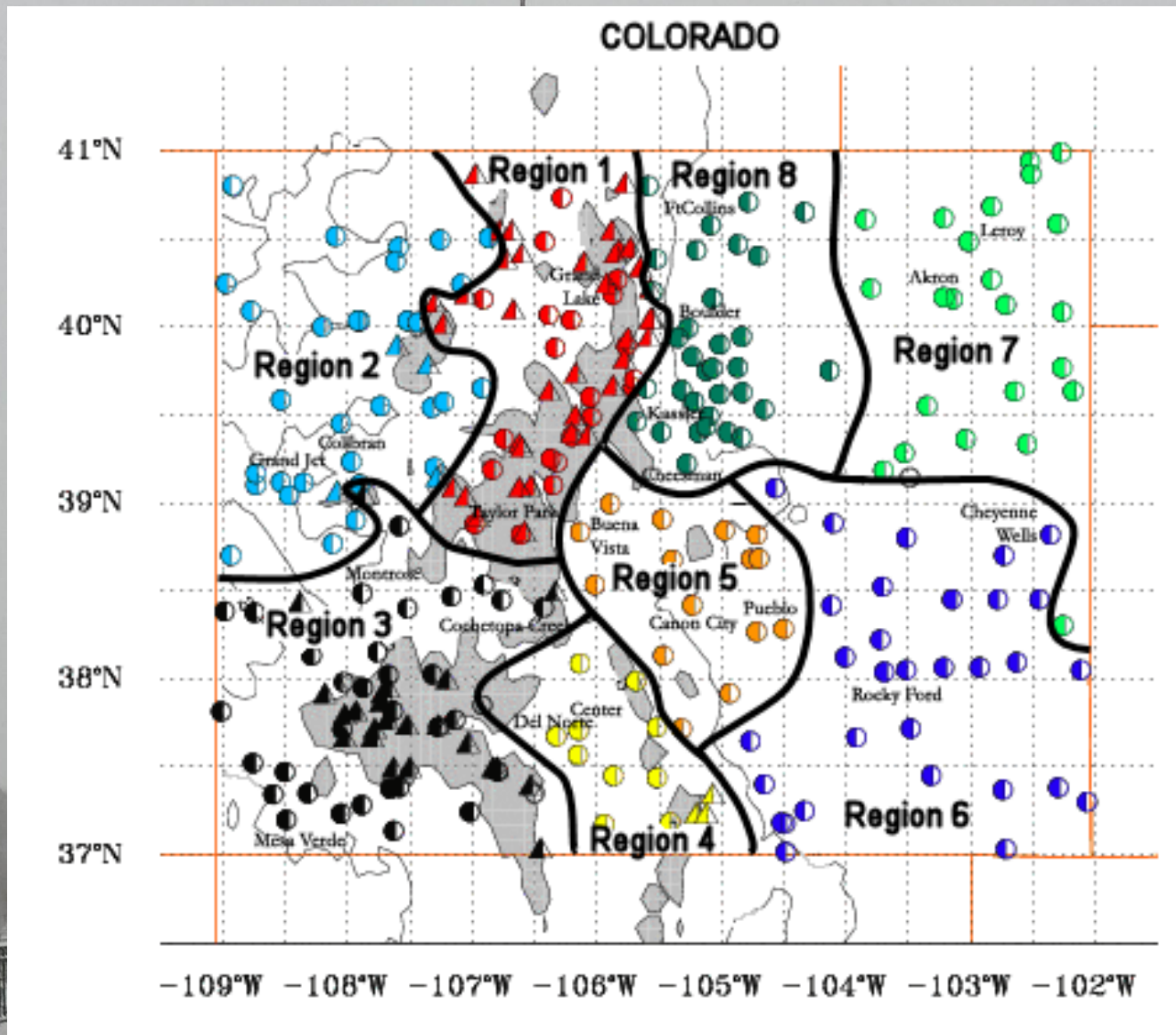
Colorado Accumulated Water Year Precipitation as Percentage of Normal (October 2013 - January 2014)



Colorado Month to Date Precipitation 1 - 10 February 2014

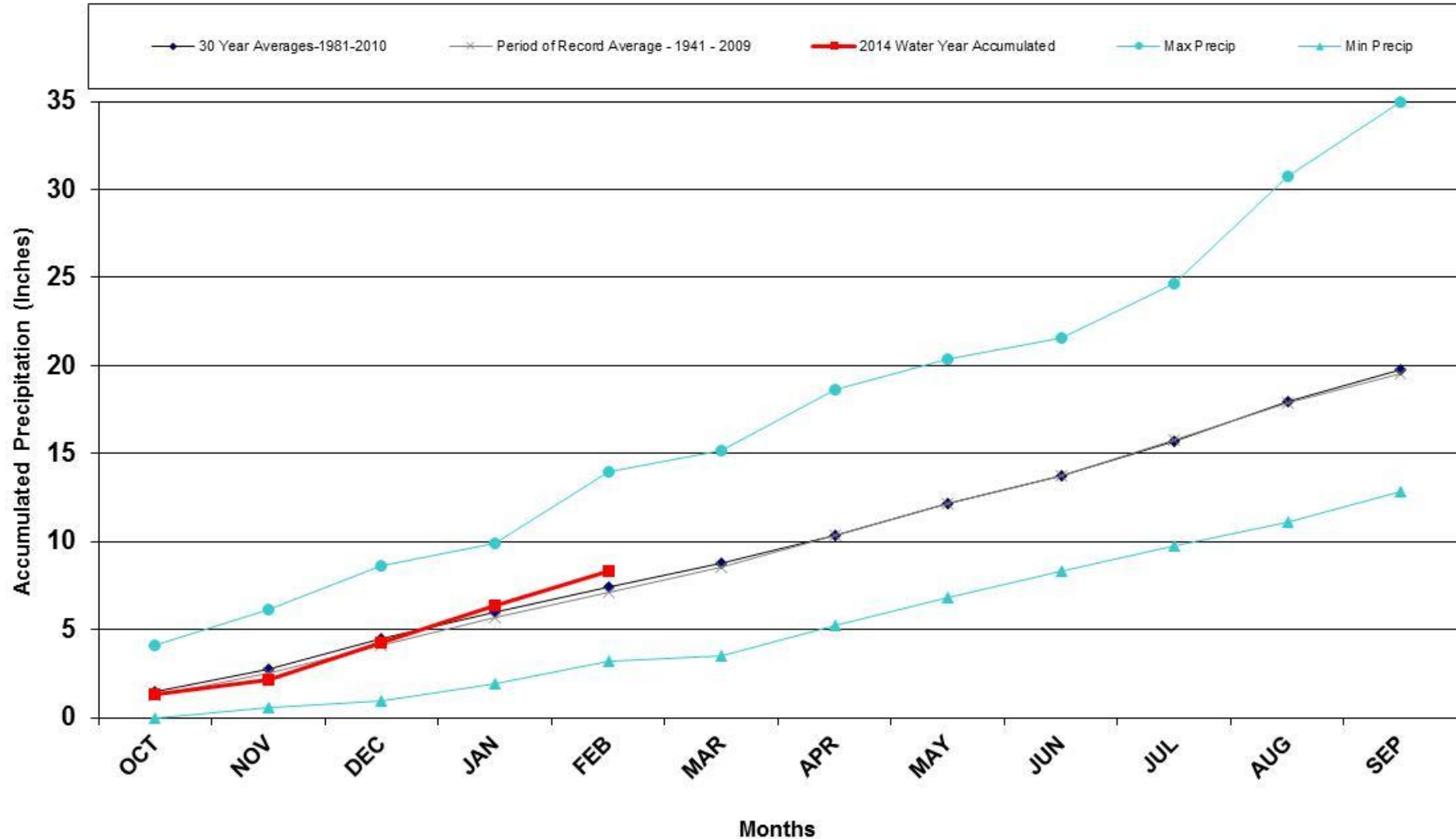


Climate divisions defined by Dr. Klaus Wolter of NOAA's Climate Diagnostic Center in Boulder, CO



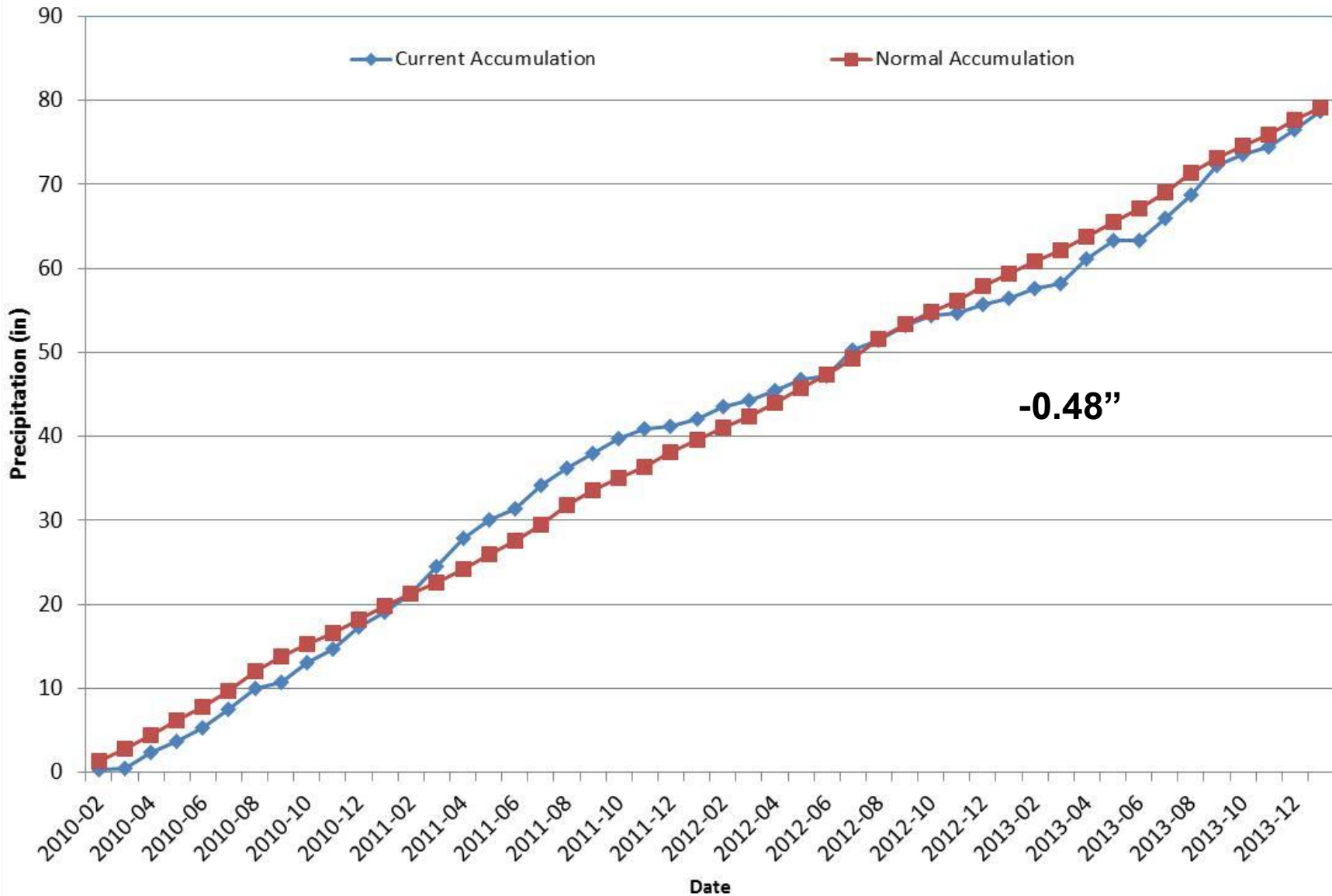
Division 1 – Grand Lake 1NW

Grand Lake 1 NW 2014 Water Year



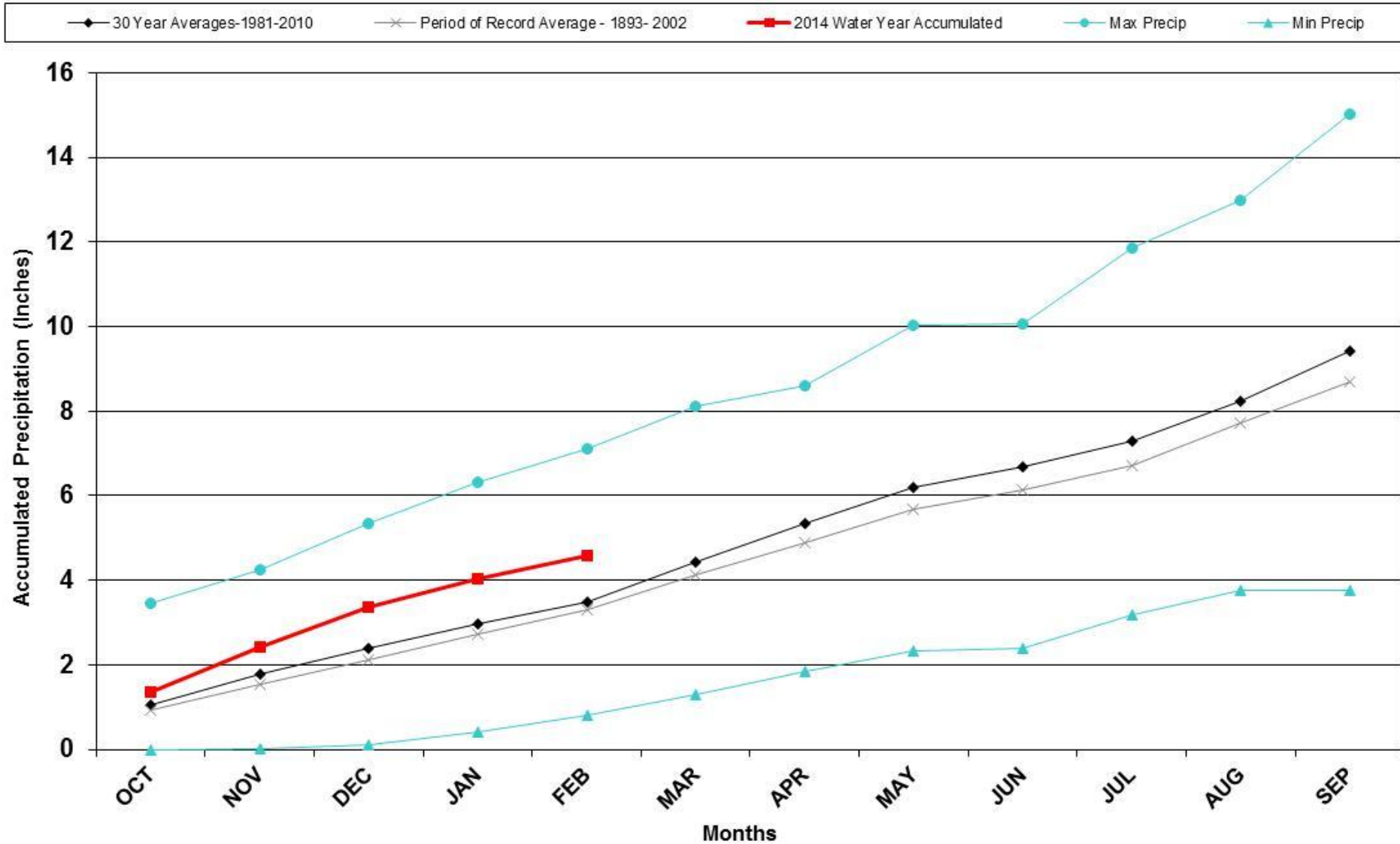
Division 1 – Grand Lake 1NW

Grand Lake 1NW Precipitation Accumulation



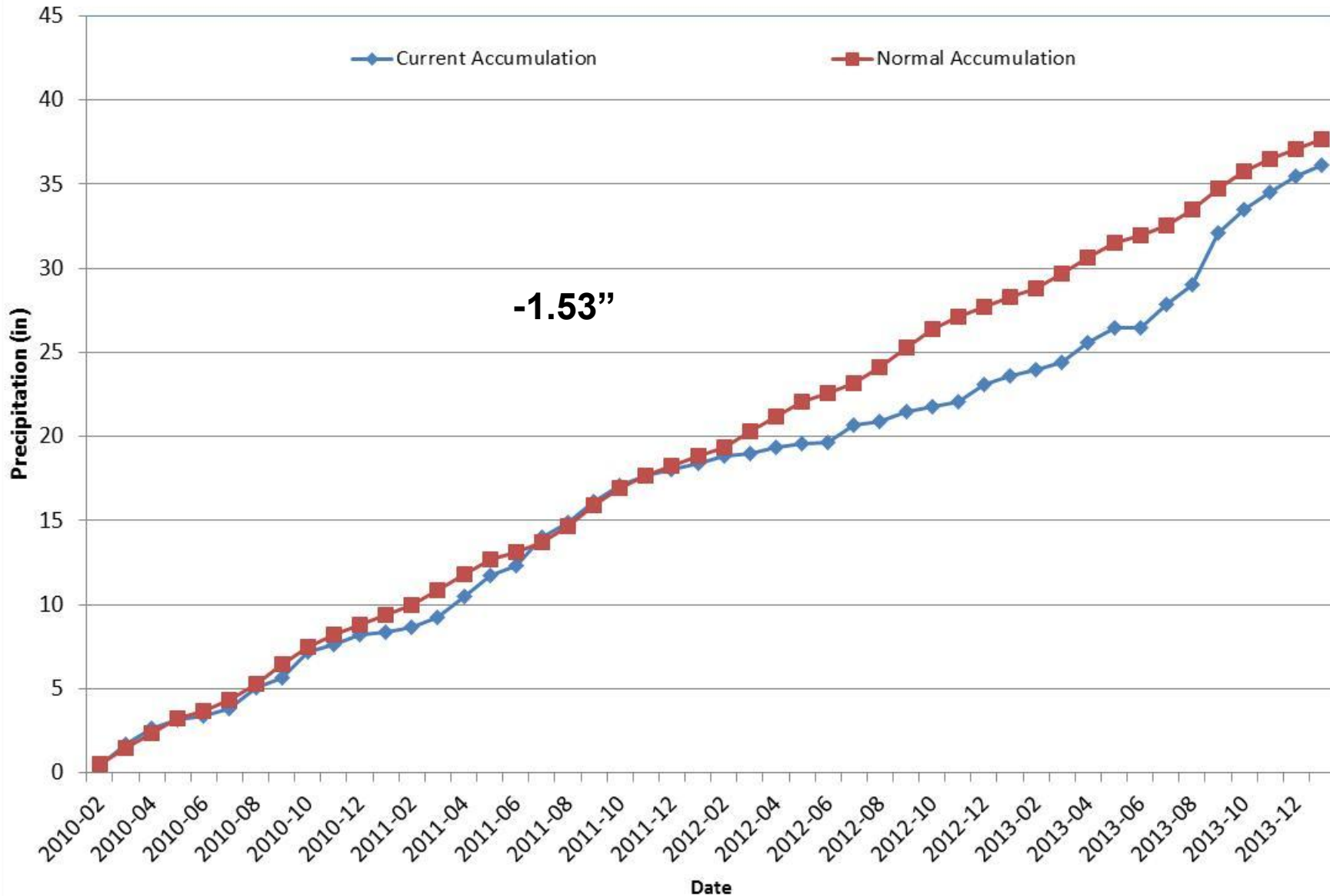
Division 2 – Grand Junction

Grand Junction WSFO 2014 Water Year



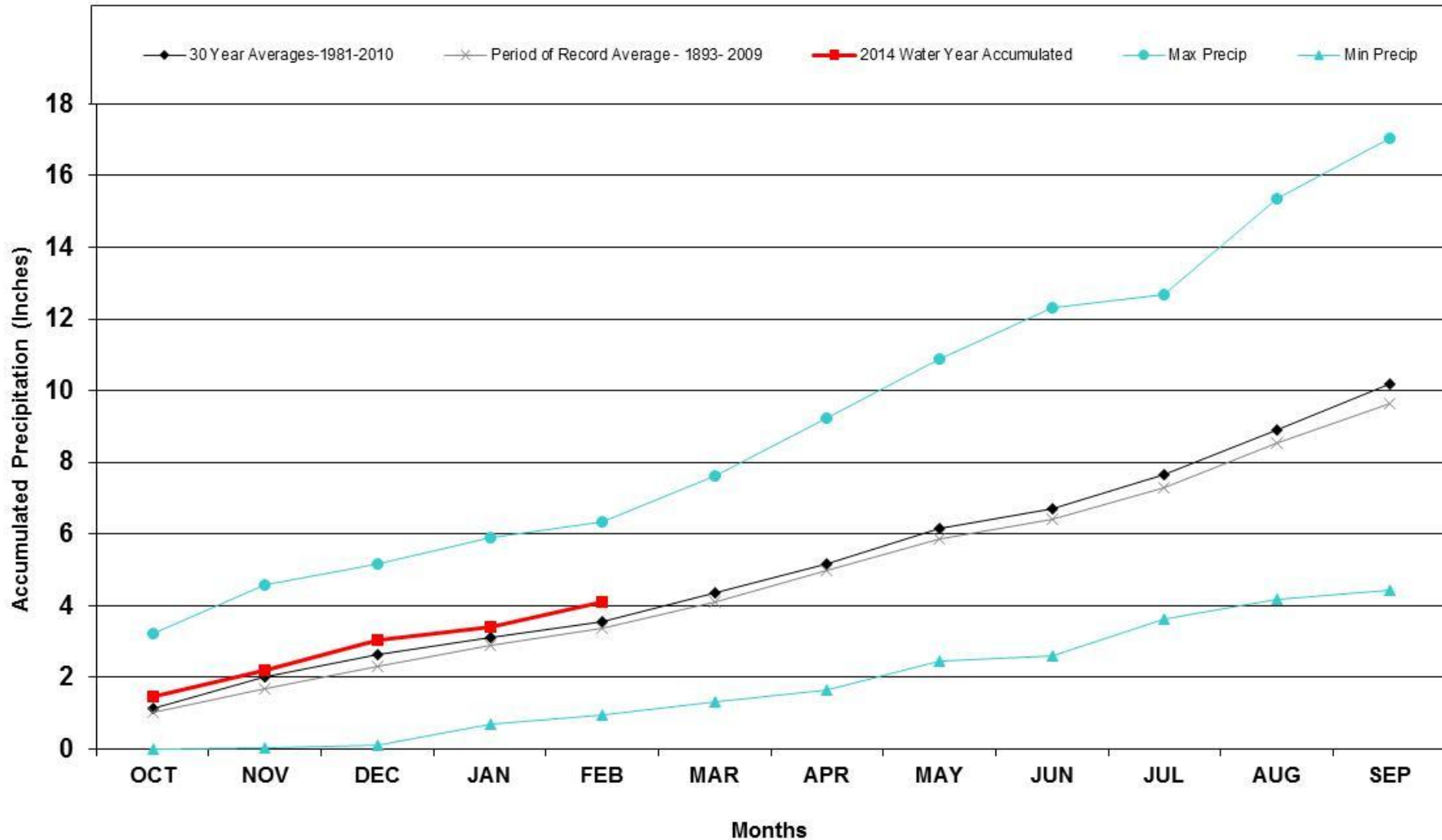
Division 2 – Grand Junction

Grand Junction Precipitation Accumulation



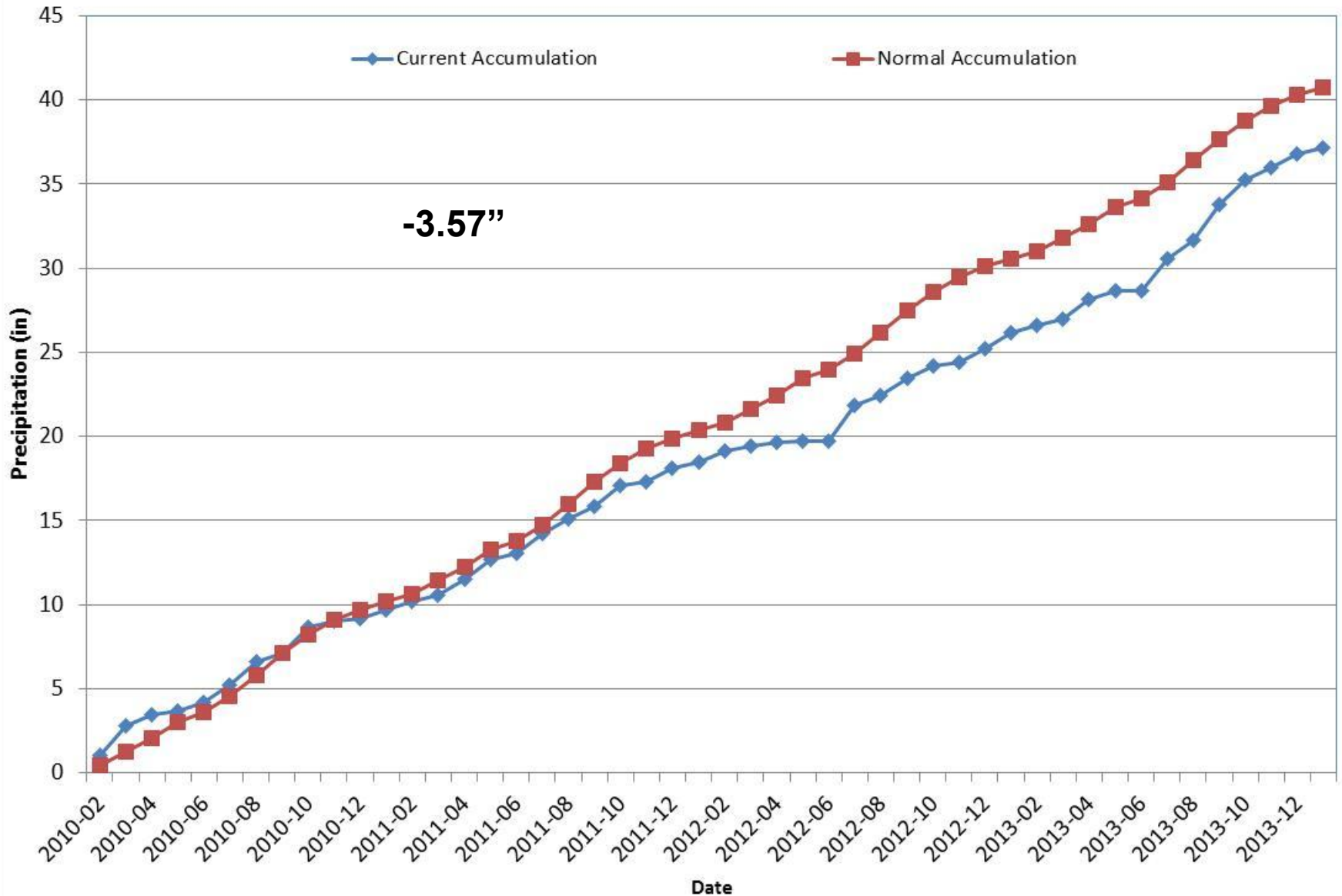
Division 3 – Montrose

Montrose #2 2014 Water Year



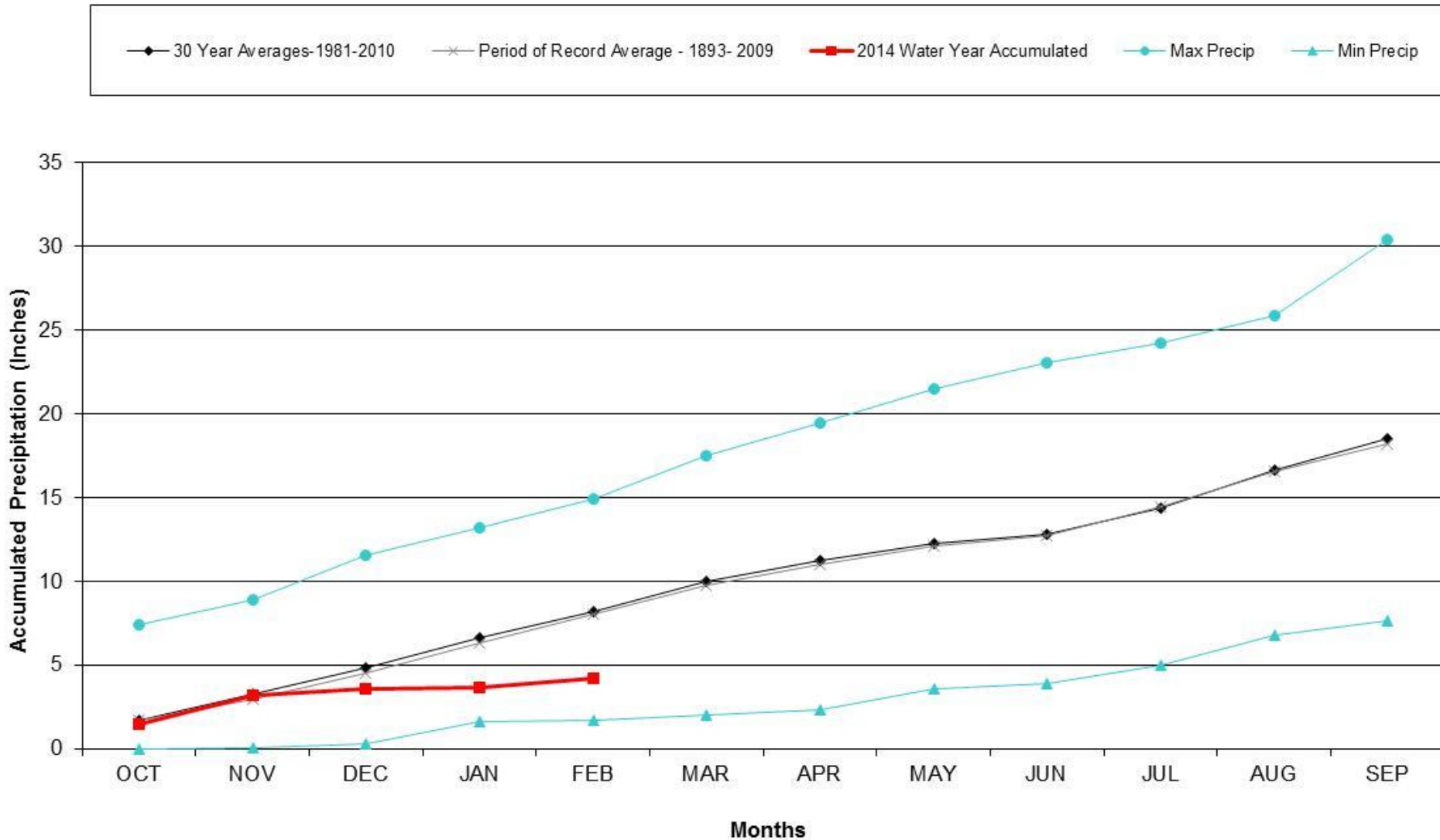
Division 3 – Montrose

Montrose #2 Precipitation Accumulation



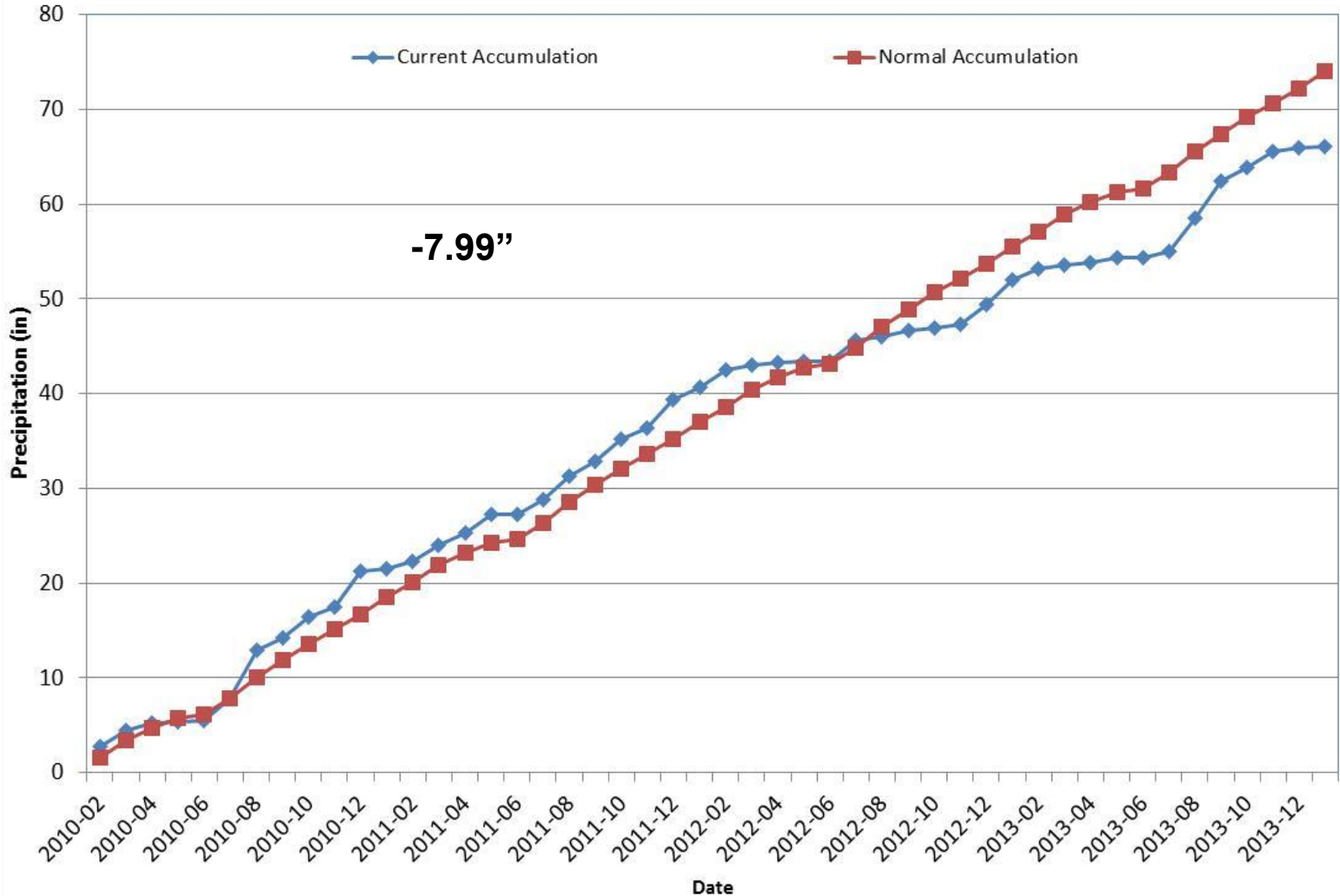
Division 3 – Mesa Verde NP

Mesa Verde NP 2014 Water Year



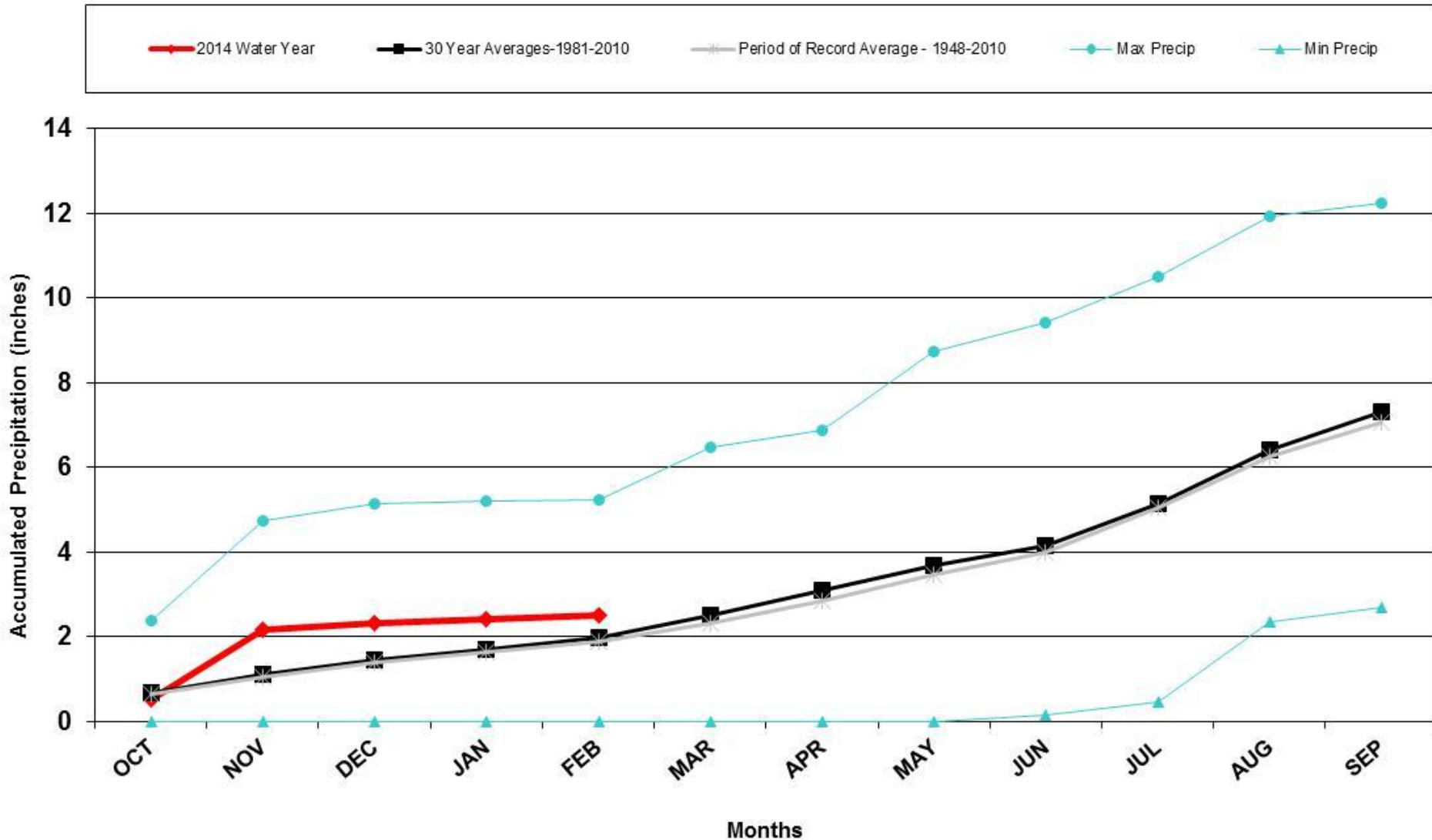
Division 3 – Mesa Verde NP

Mesa Verde NP Precipitation Accumulation



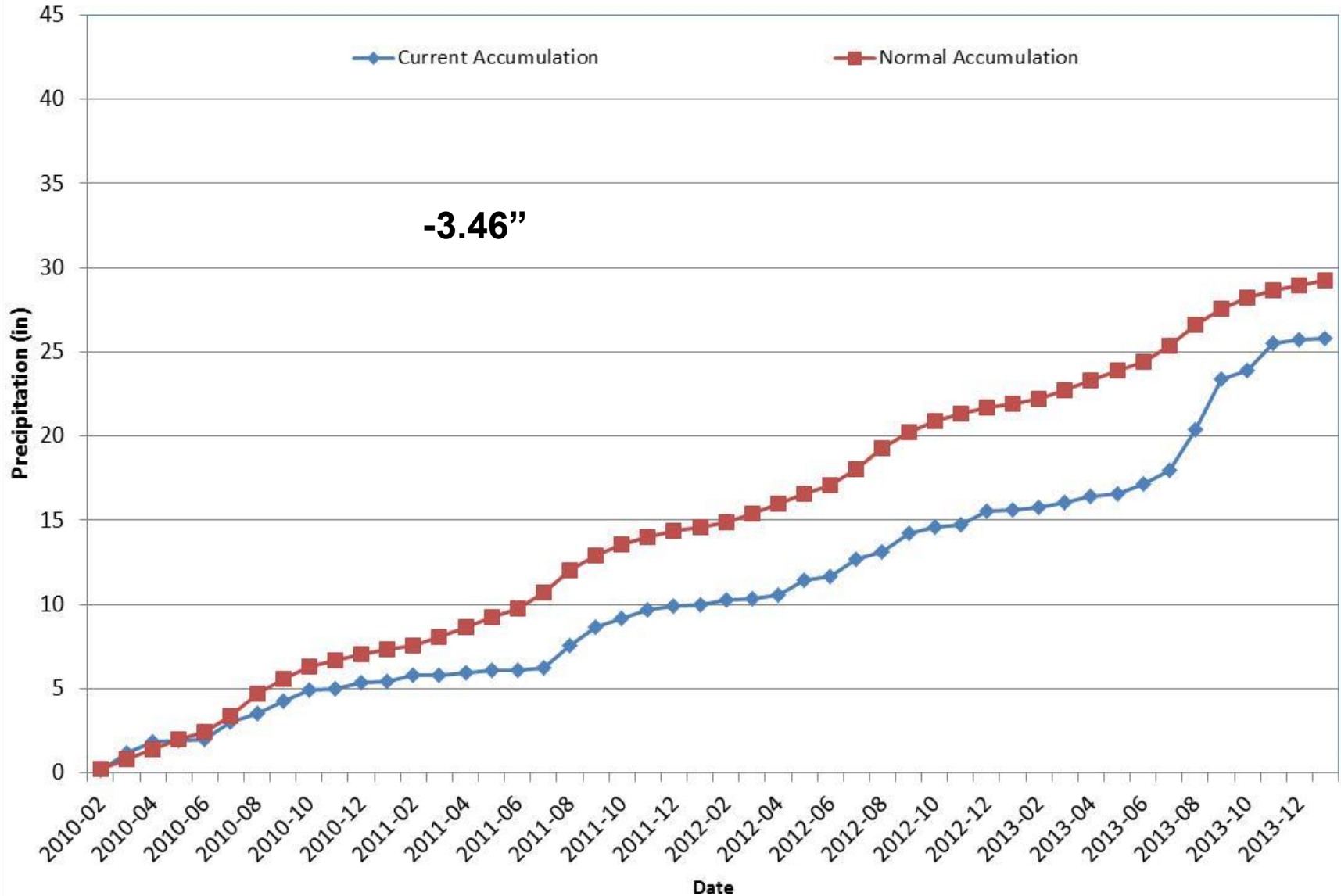
Division 4 – Alamosa

Alamosa WSO 2014 Water Year



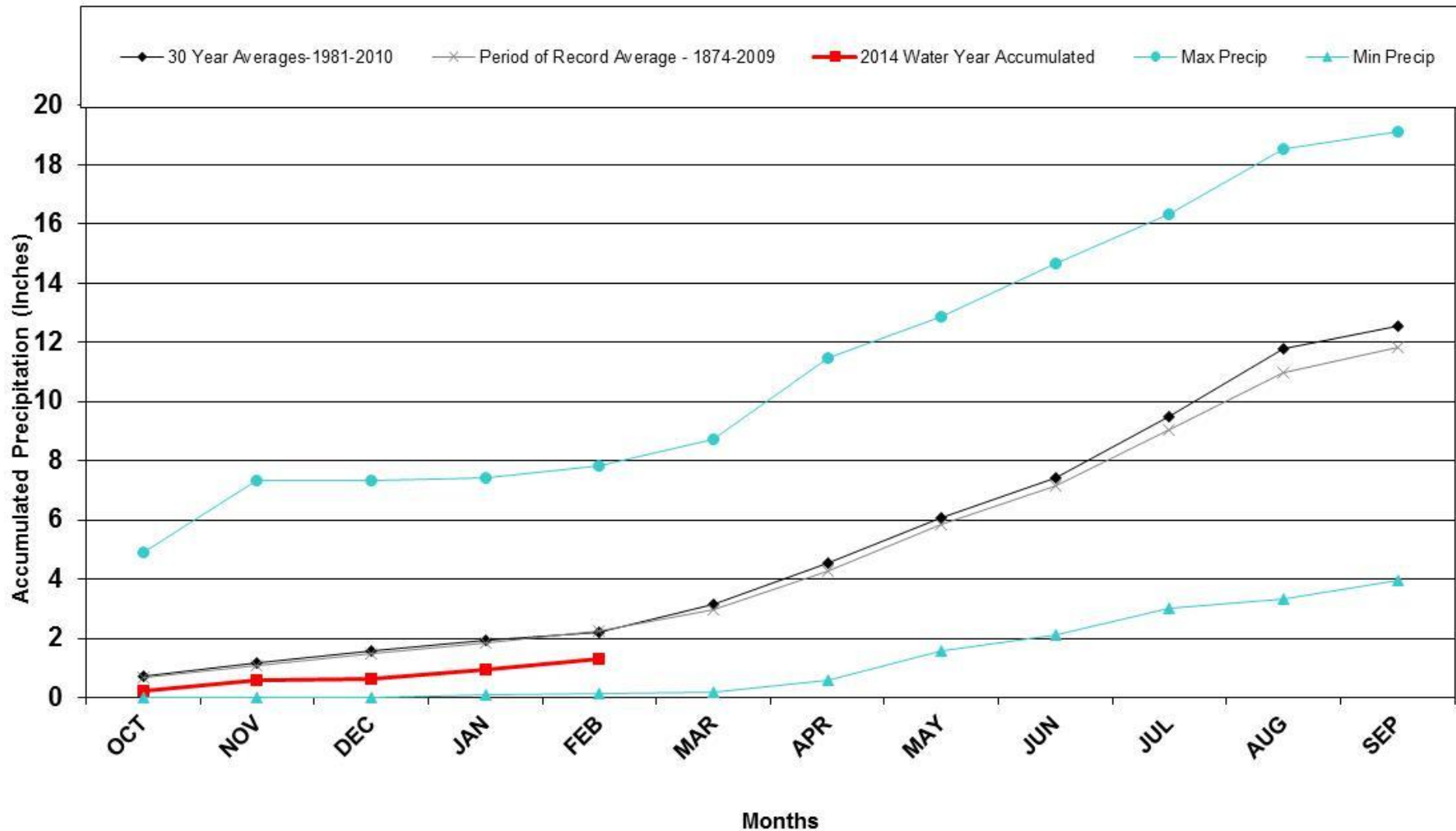
Division 4 – Alamosa

Alamosa WSO Precipitation Accumulation



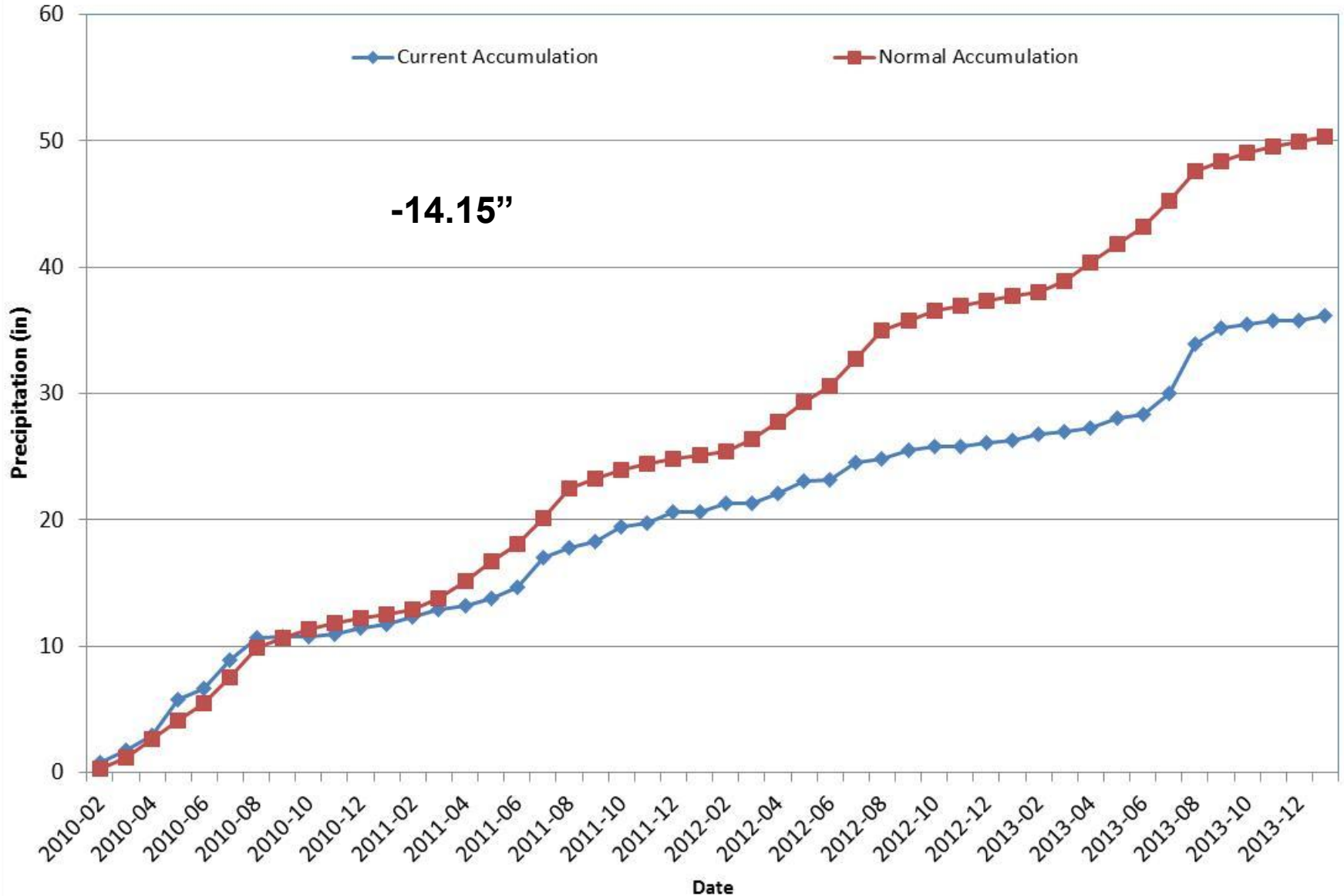
Division 5 – Pueblo

Pueblo WSO 2014 Water Year



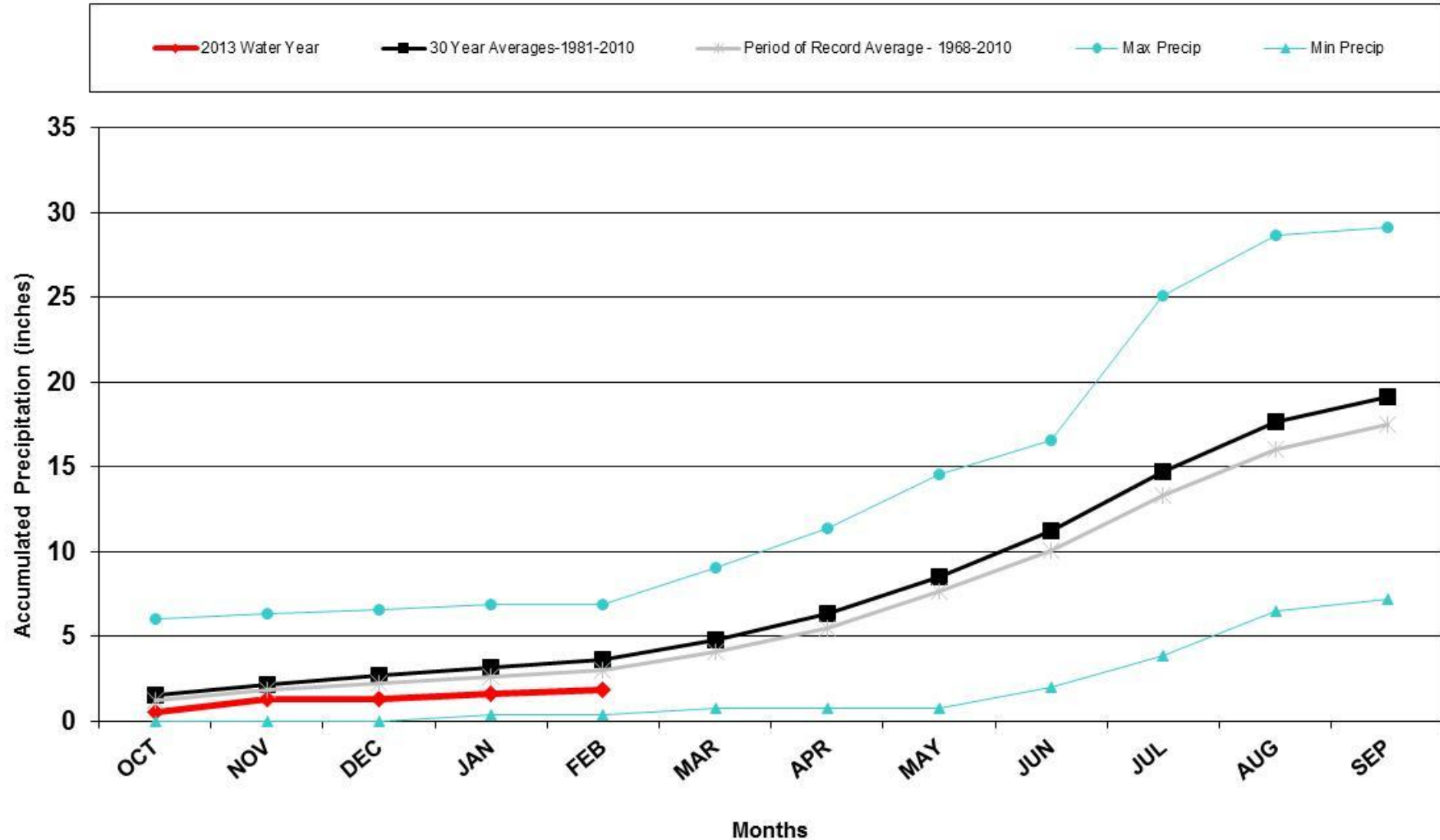
Division 5 – Pueblo

Pueblo Memorial AP Precipitation Accumulation



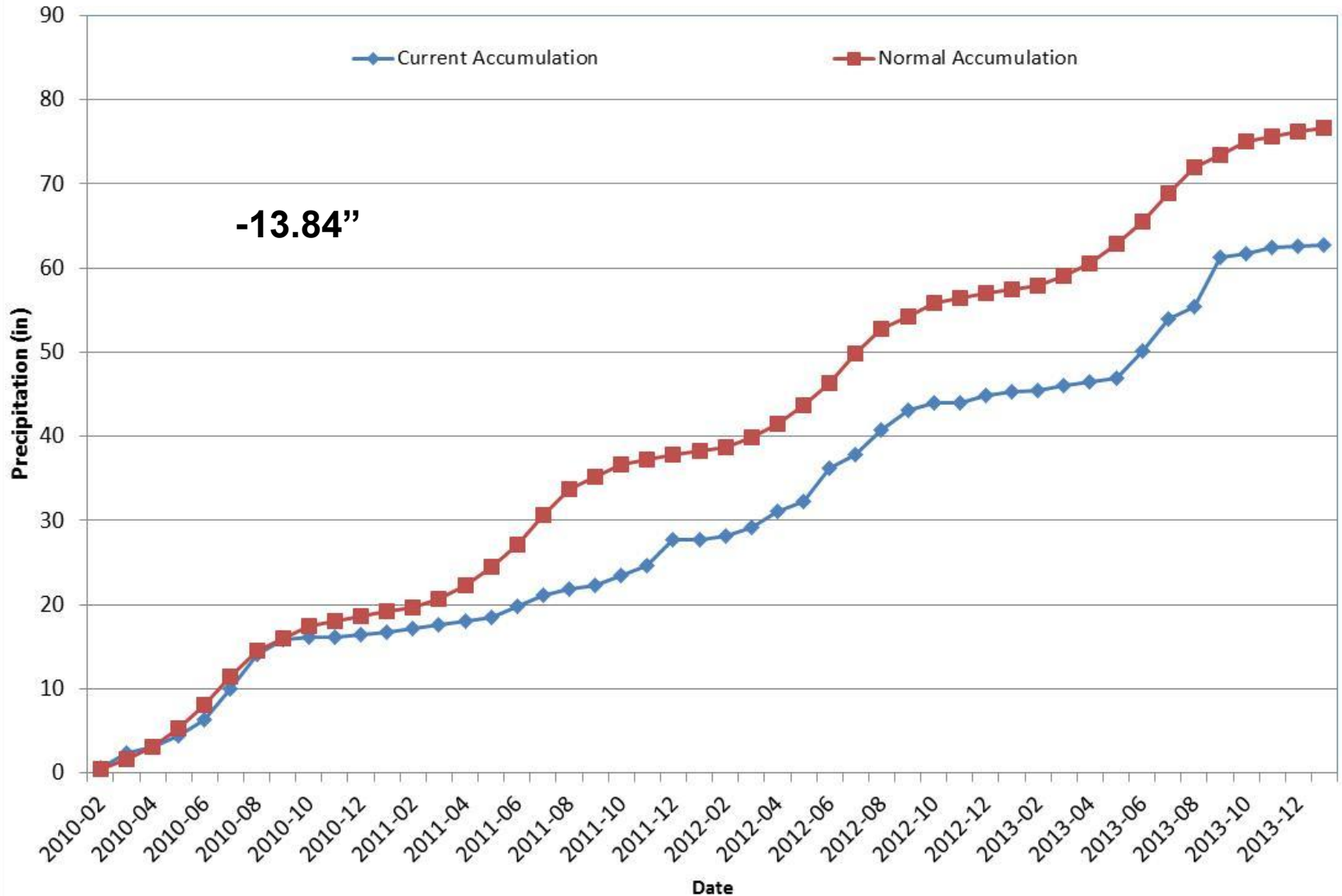
Division 6 - Walsh

Walsh 2014 Water Year



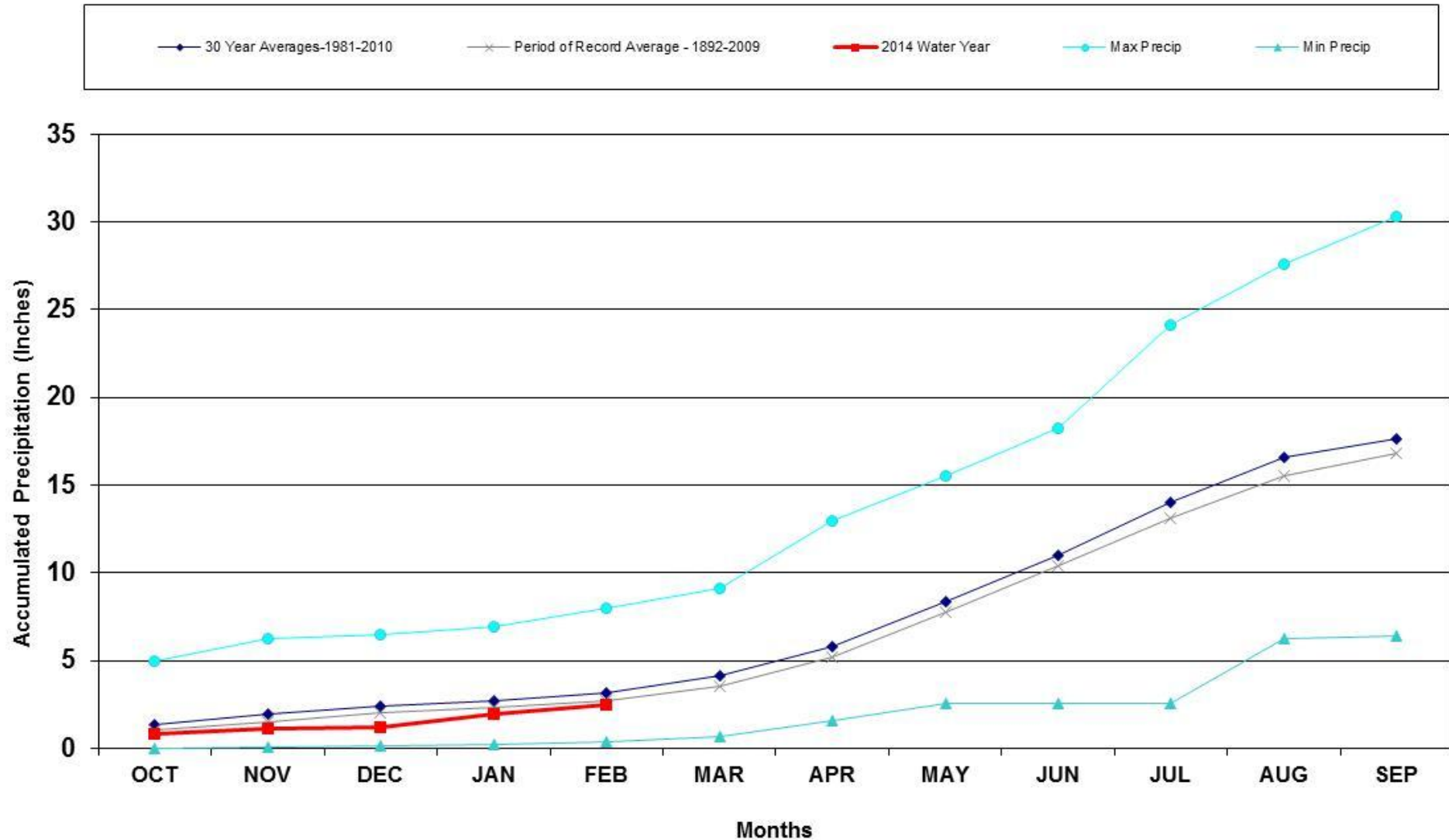
Division 6 - Walsh

Walsh 1W Precipitation Accumulation



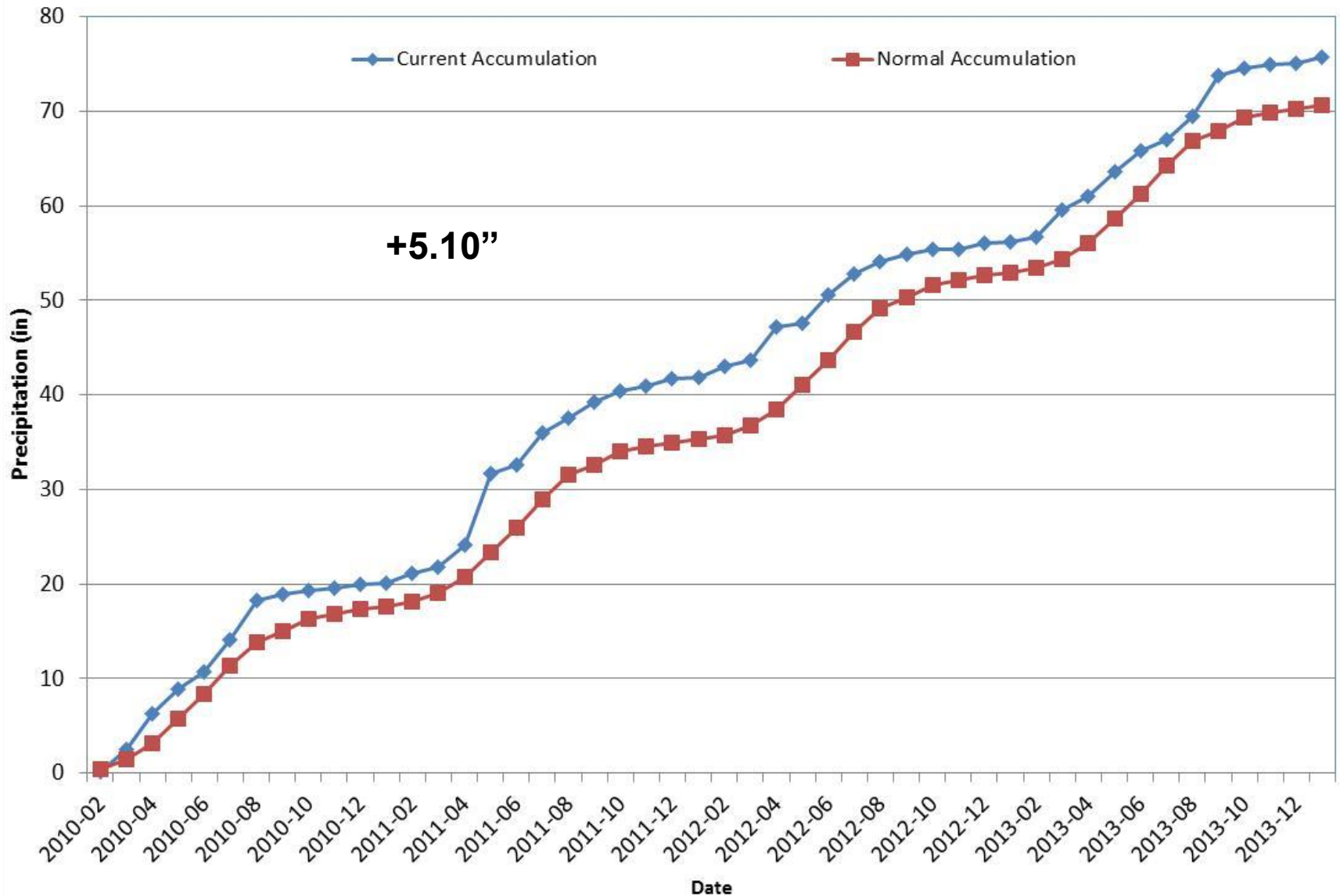
Division 6 - Burlington

Burlington 2014 Water Year



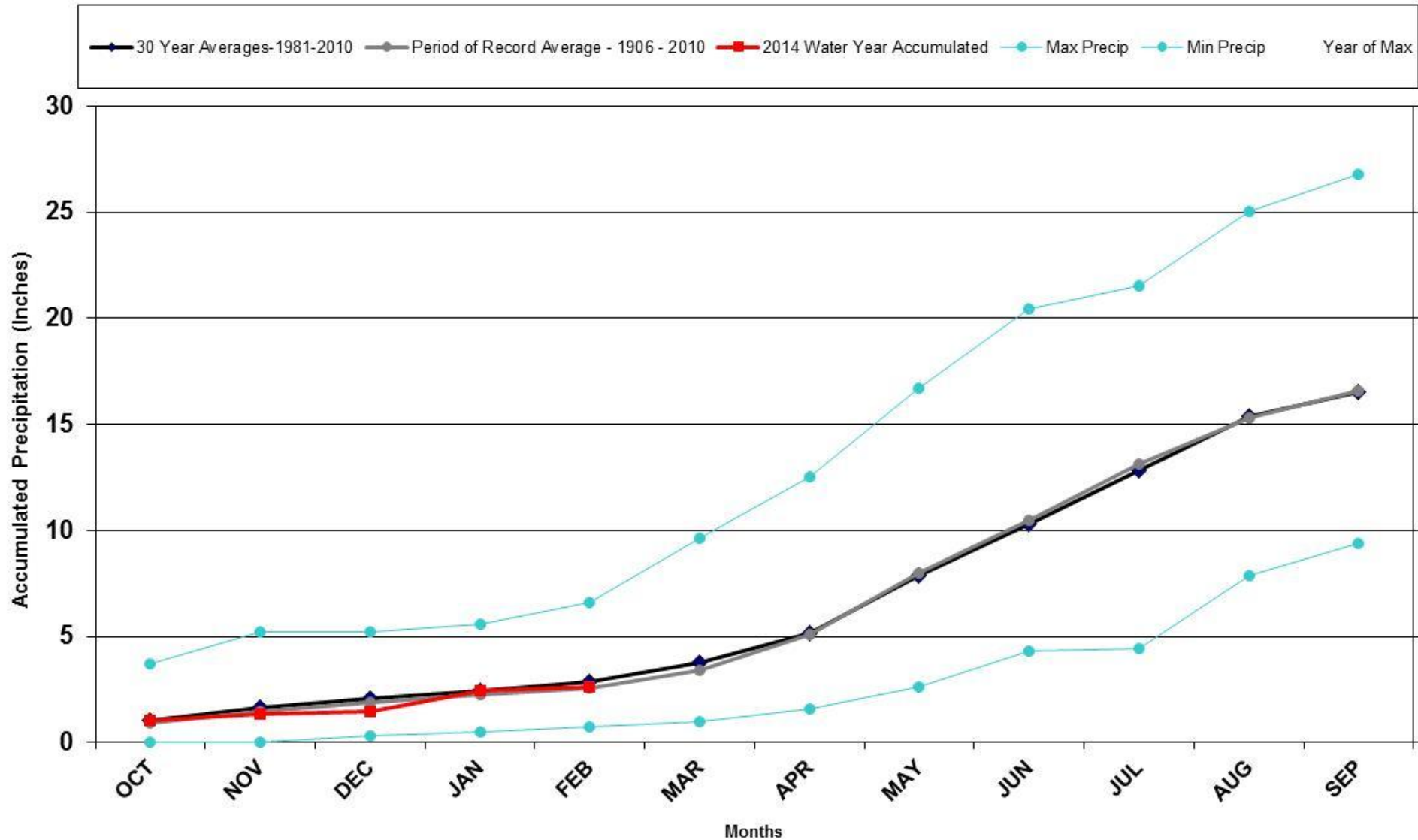
Division 6 - Burlington

Burlington, CO Precipitation Accumulation



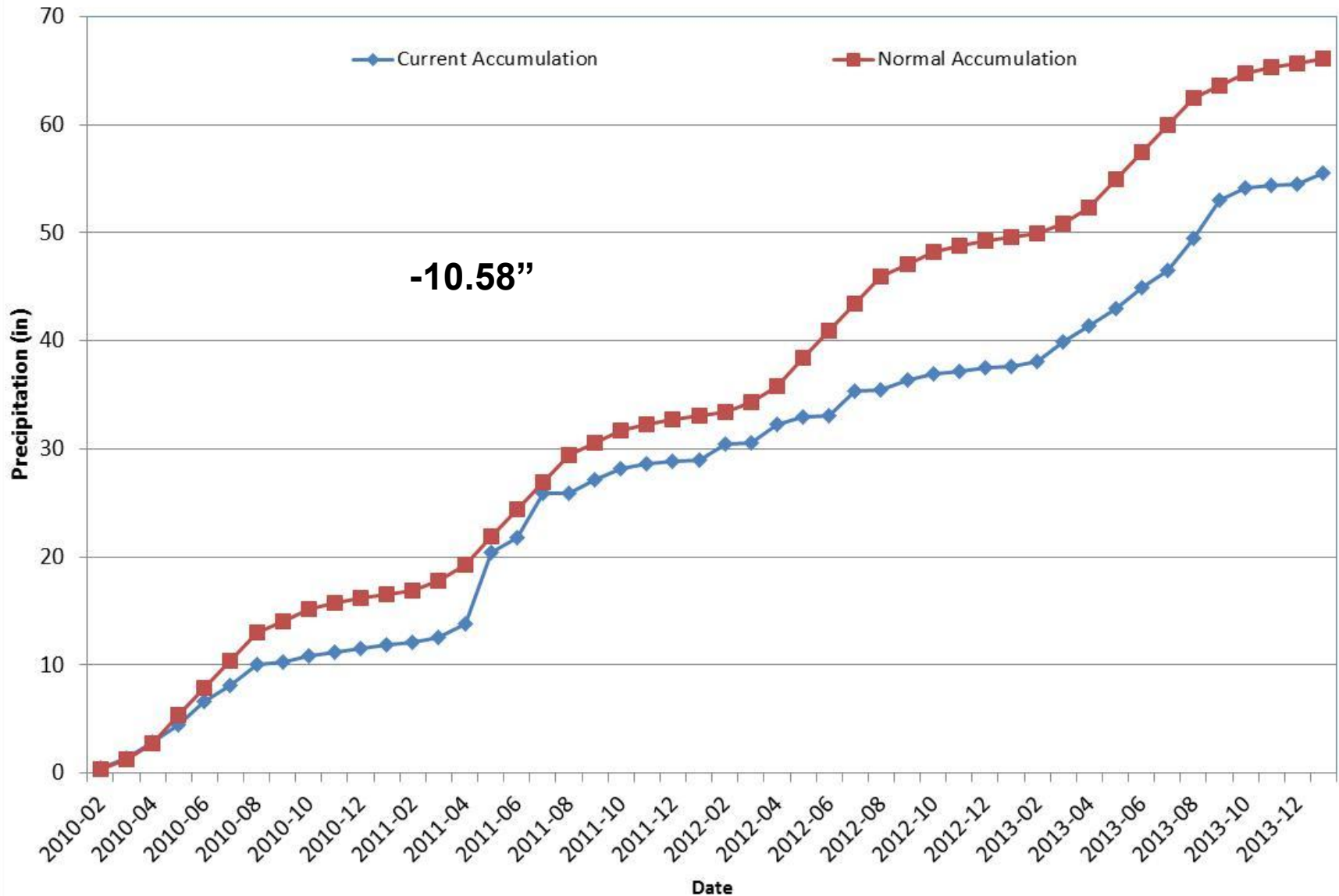
Division 7 – Akron

Akron 4E 2014 Water Year



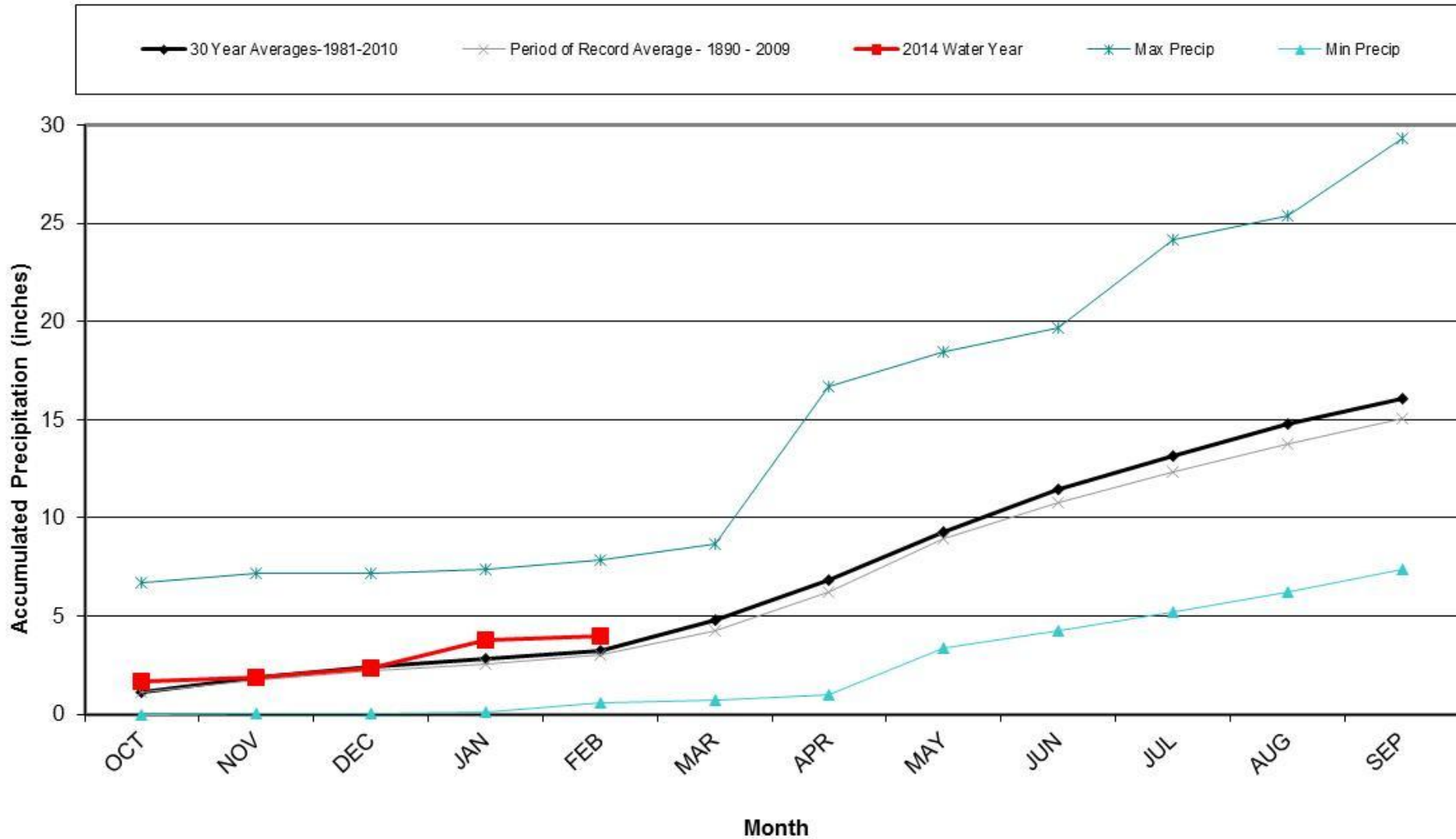
Division 7 – Akron

Akron 4E Precipitation Accumulation



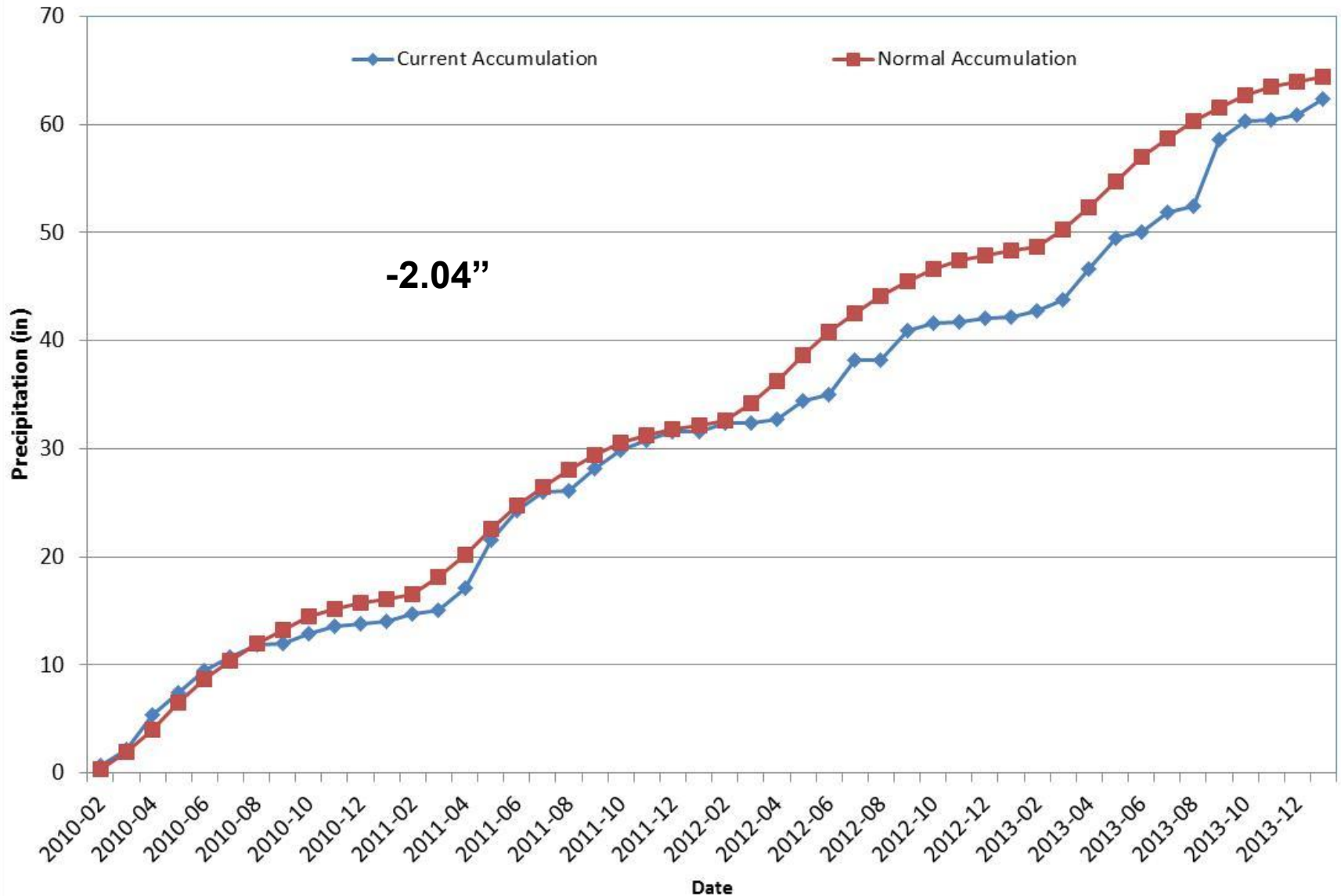
Division 8 – Fort Collins

Fort Collins 2014 Water Year



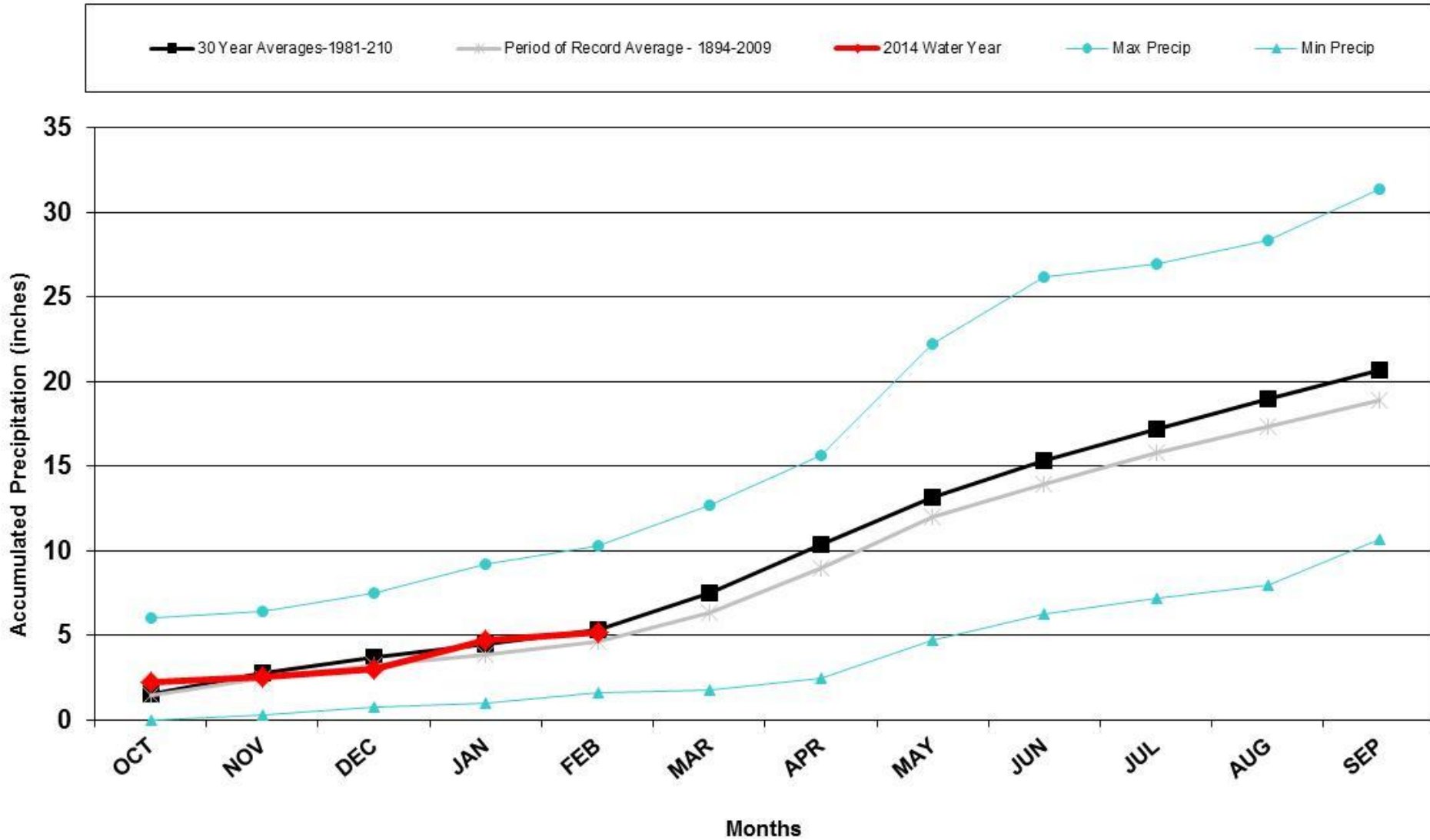
Division 8 – Fort Collins

Fort Collins Precipitation Accumulation



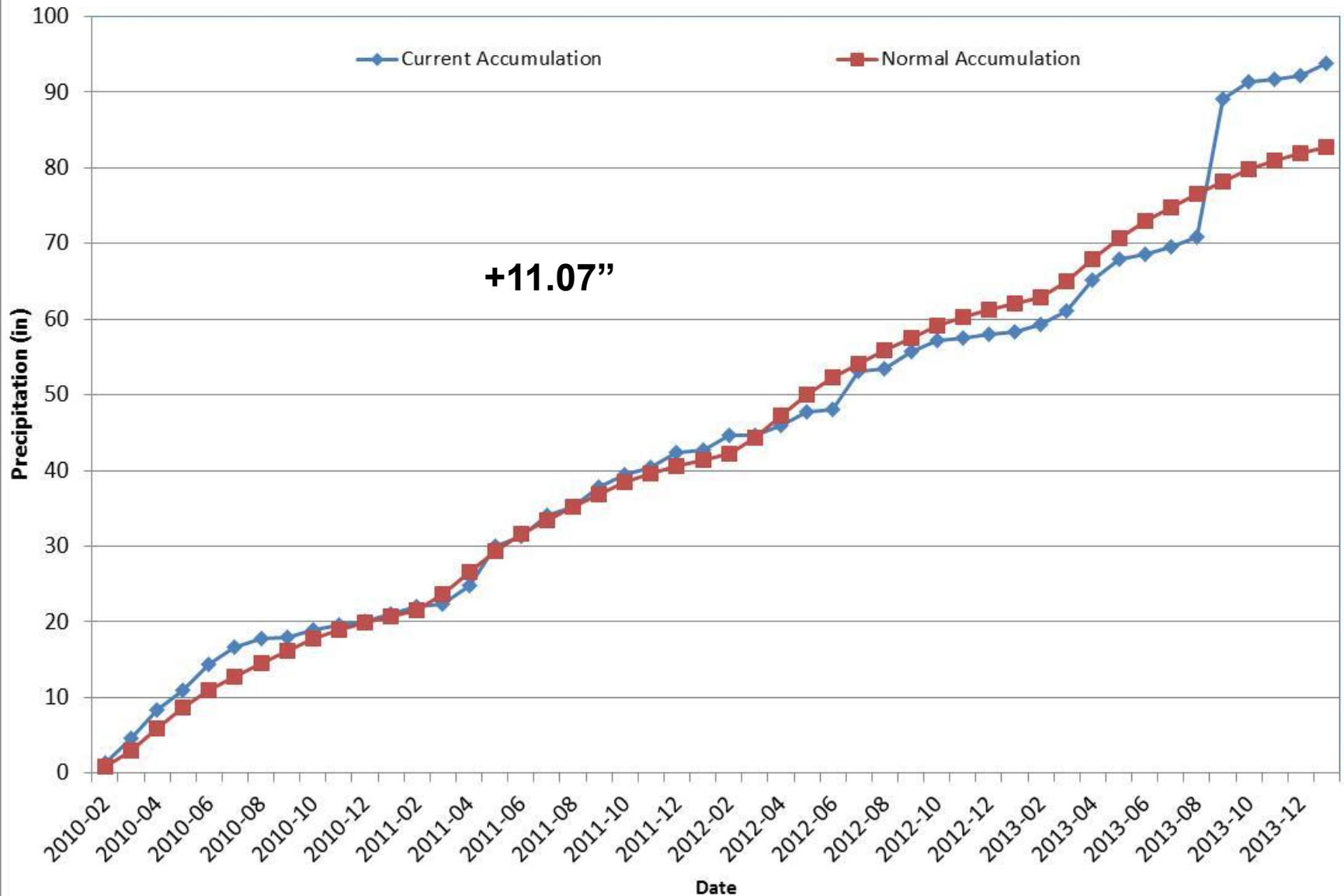
Division 8 - Boulder

Boulder 2014 Water Year



Division 8 - Boulder

Boulder Precipitation Accumulation

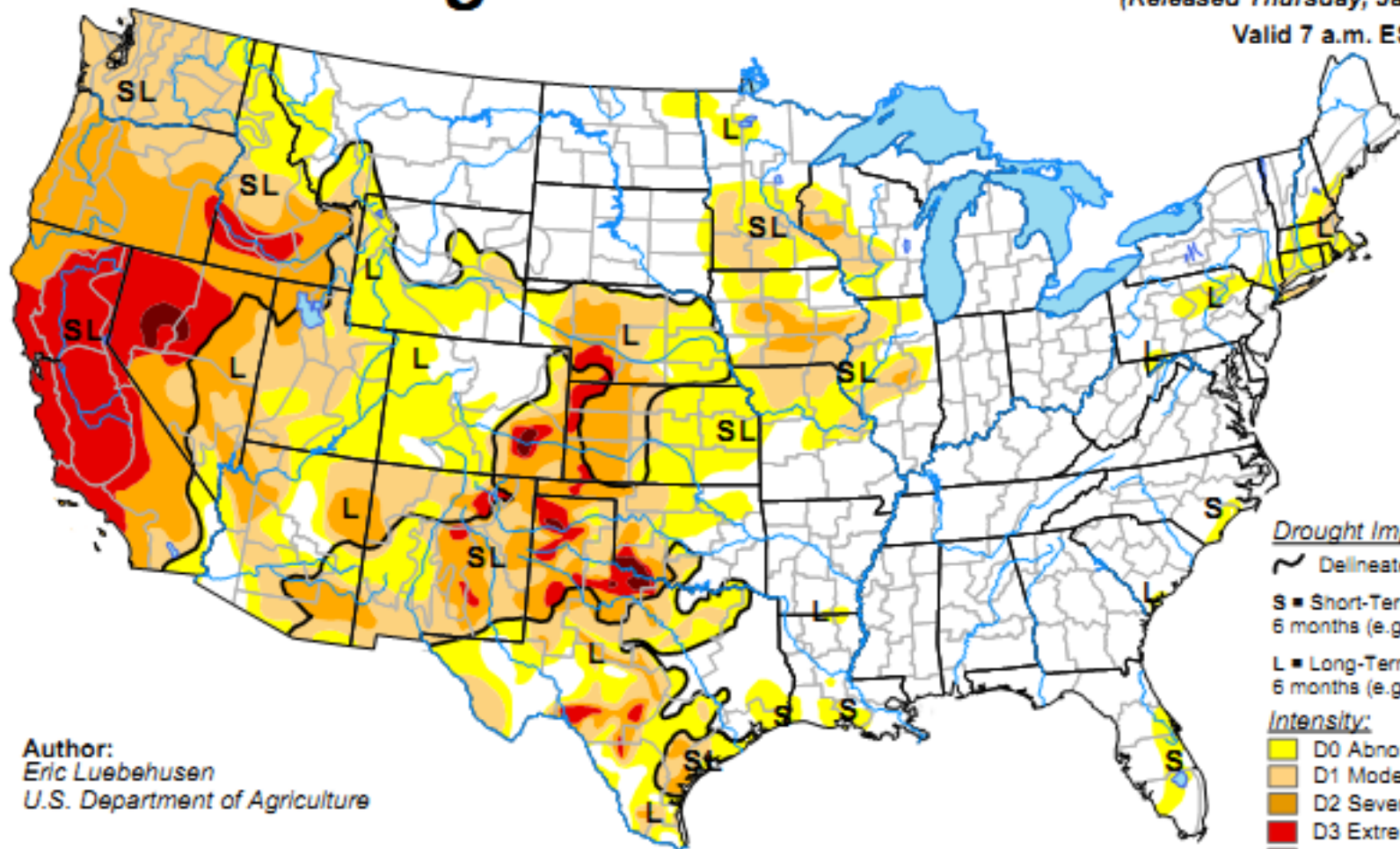


U.S. Drought Monitor

January 14, 2014

(Released Thursday, Jan. 16, 2014)

Valid 7 a.m. EST



Author:
Eric Luebbehusen
U.S. Department of Agriculture

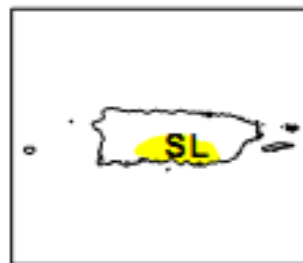
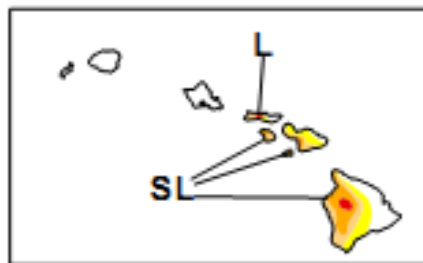
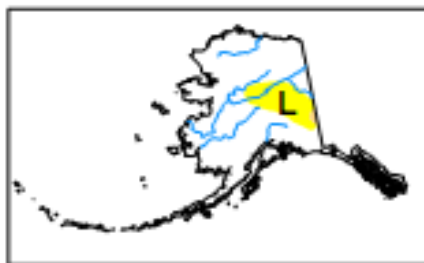
Drought Impact Types:

- ~ 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:

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

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

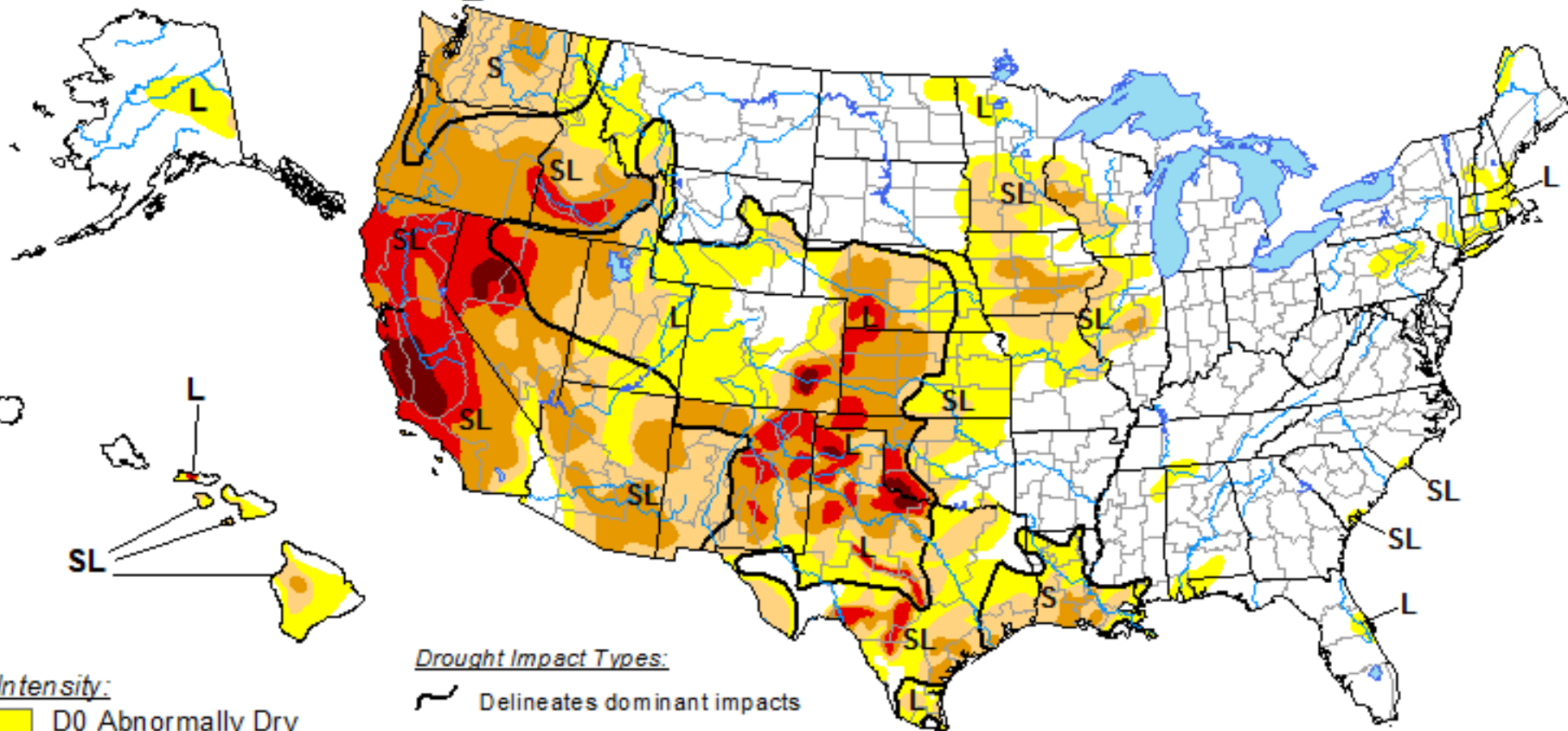


<http://droughtmonitor.unl.edu/>






U.S. Drought Monitor

February 11, 2014


Valid 7 a.m. EST



Intensity:

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

Drought Impact Types:

-  Delineates dominant impacts
- S = Short-Term, typically <6 months
(e.g. agriculture, grasslands)
- L = Long-Term, typically >6 months
(e.g. hydrology, ecology)

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

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



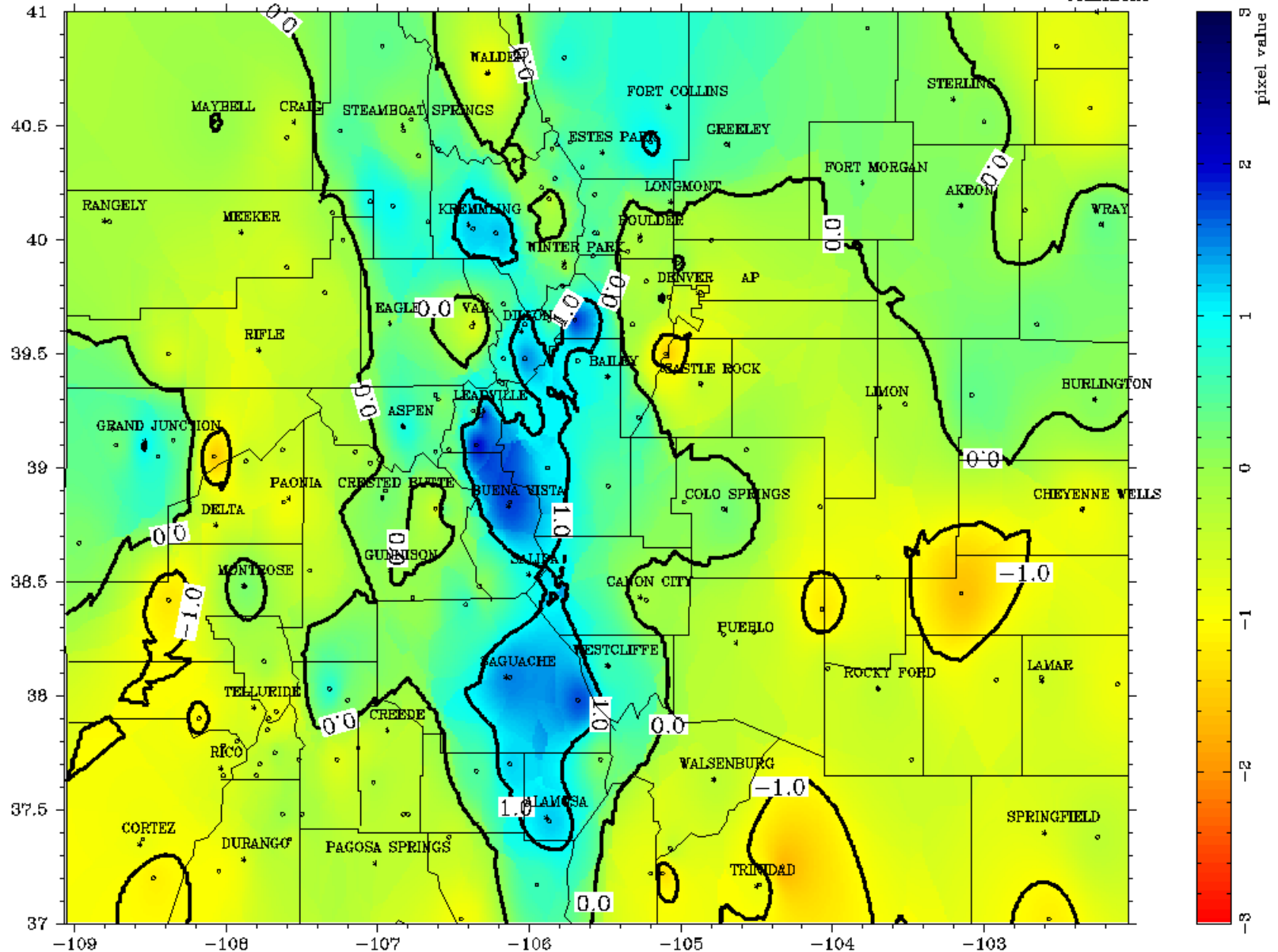
Released Thursday, February 13, 2014

Author: David Misus, NOAA/NWS/NCEP/CPC

Colorado

1/2014 3 mon. SPI

JULESBURG



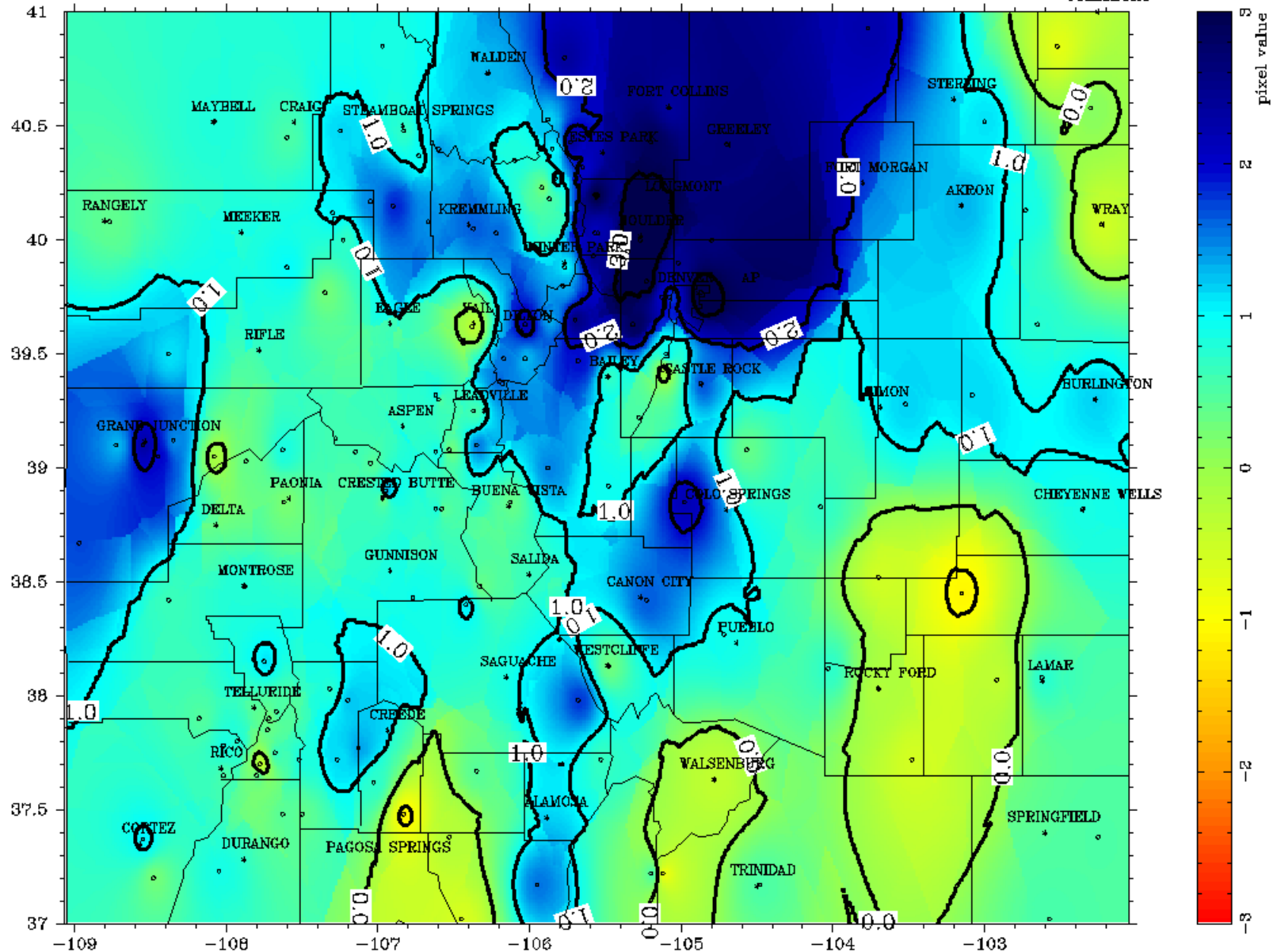
100 % < 2.0	4 % < -1.0
96 % < 1.0	0 % < -2.0
61 % < 0.0	0 % < -3.0

Produced by:
Colorado Climate Center
Fort Collins, CO

Colorado

1/2014 6 mon. SPI

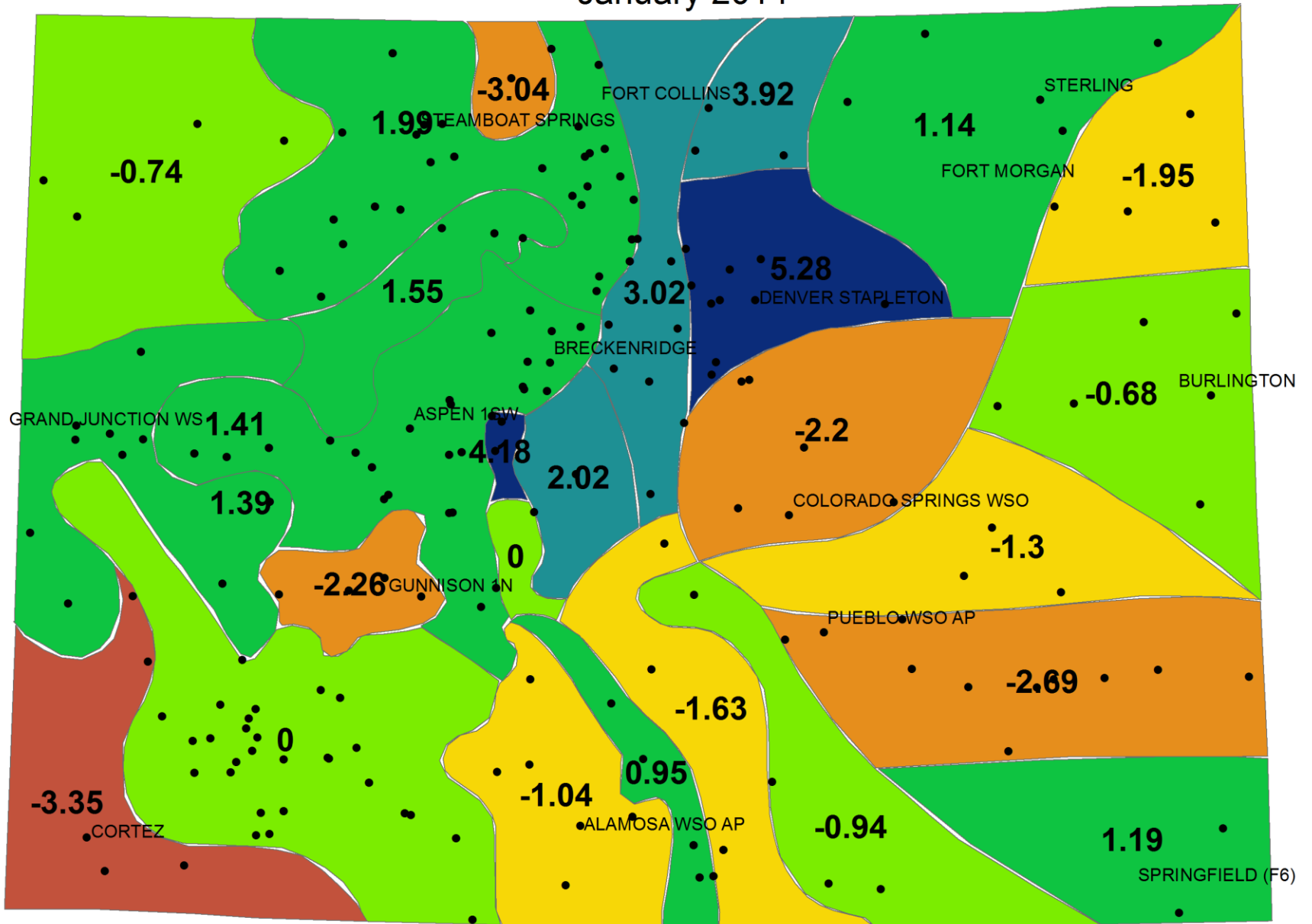
JULESBURG



90 % < 2.0	0 % < -1.0
65 % < 1.0	0 % < -2.0
11 % < 0.0	0 % < -3.0

Produced by:
Colorado Climate Center
Fort Collins, CO

Modified Palmer Drought Severity Index for Colorado January 2014



Colorado Climate Center

Data and Power Point Presentations available for downloading

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



COLORADO
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Knowledge to Go Places