



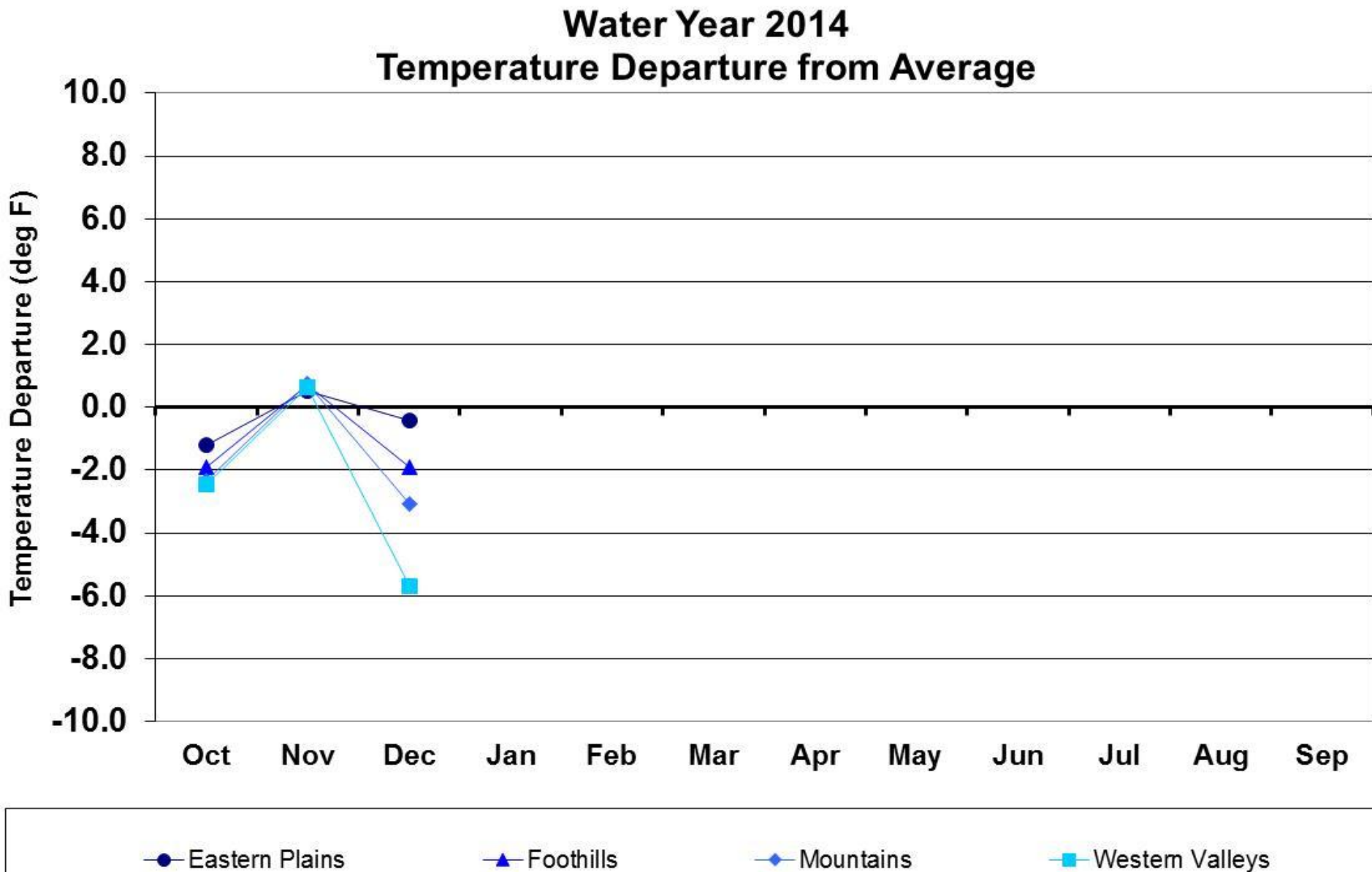
Climate Update

**Wendy Ryan
Colorado Climate Center**

**Colorado Assistant State Climatologist
Colorado State University**

Presented to
Water Availability Task Force
22 January 2014
Denver, CO

Water Year 2014 Temperature Departures

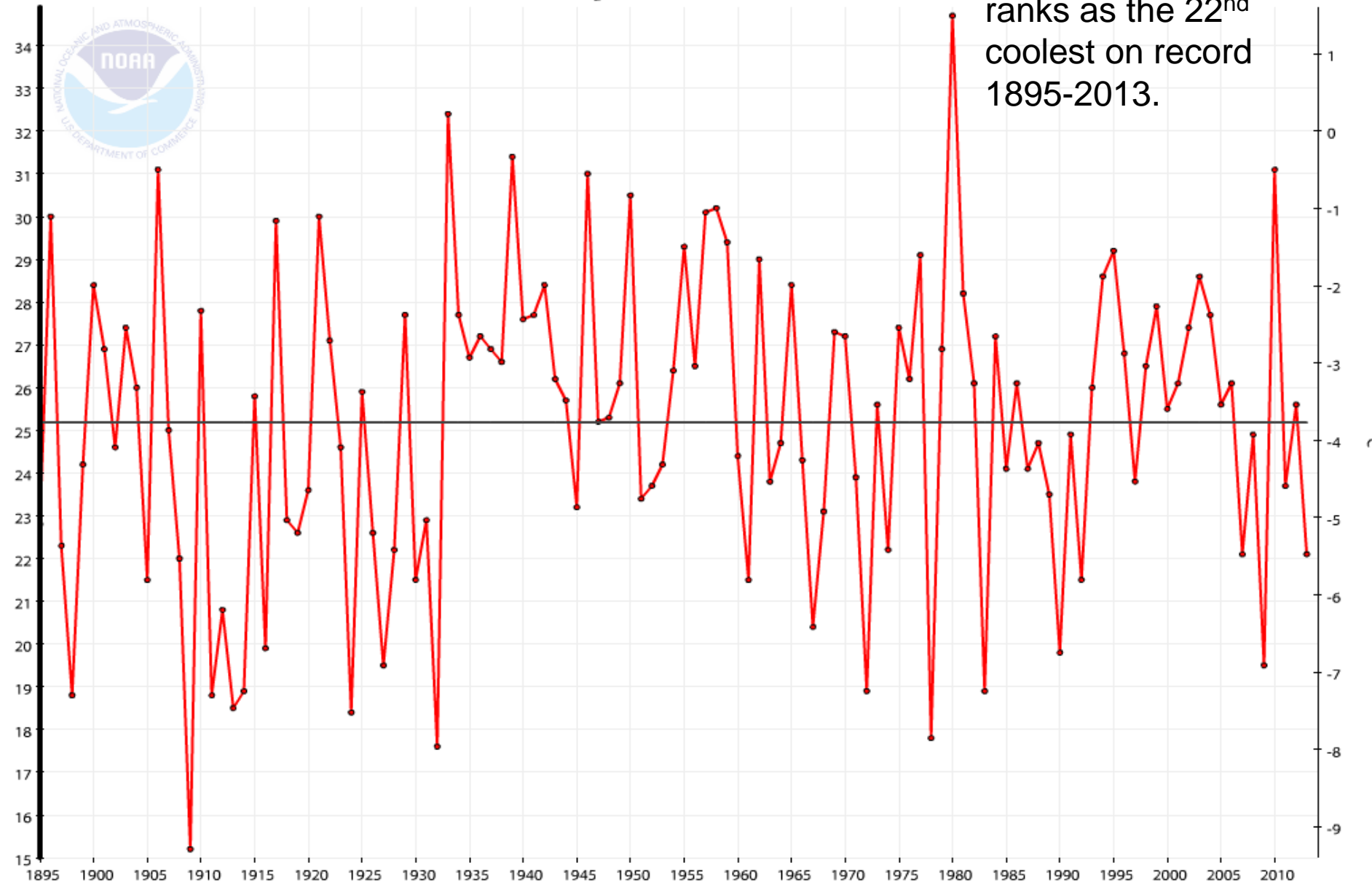


December Average Temperature History for Colorado (NCDC)

Colorado, Temperature, December

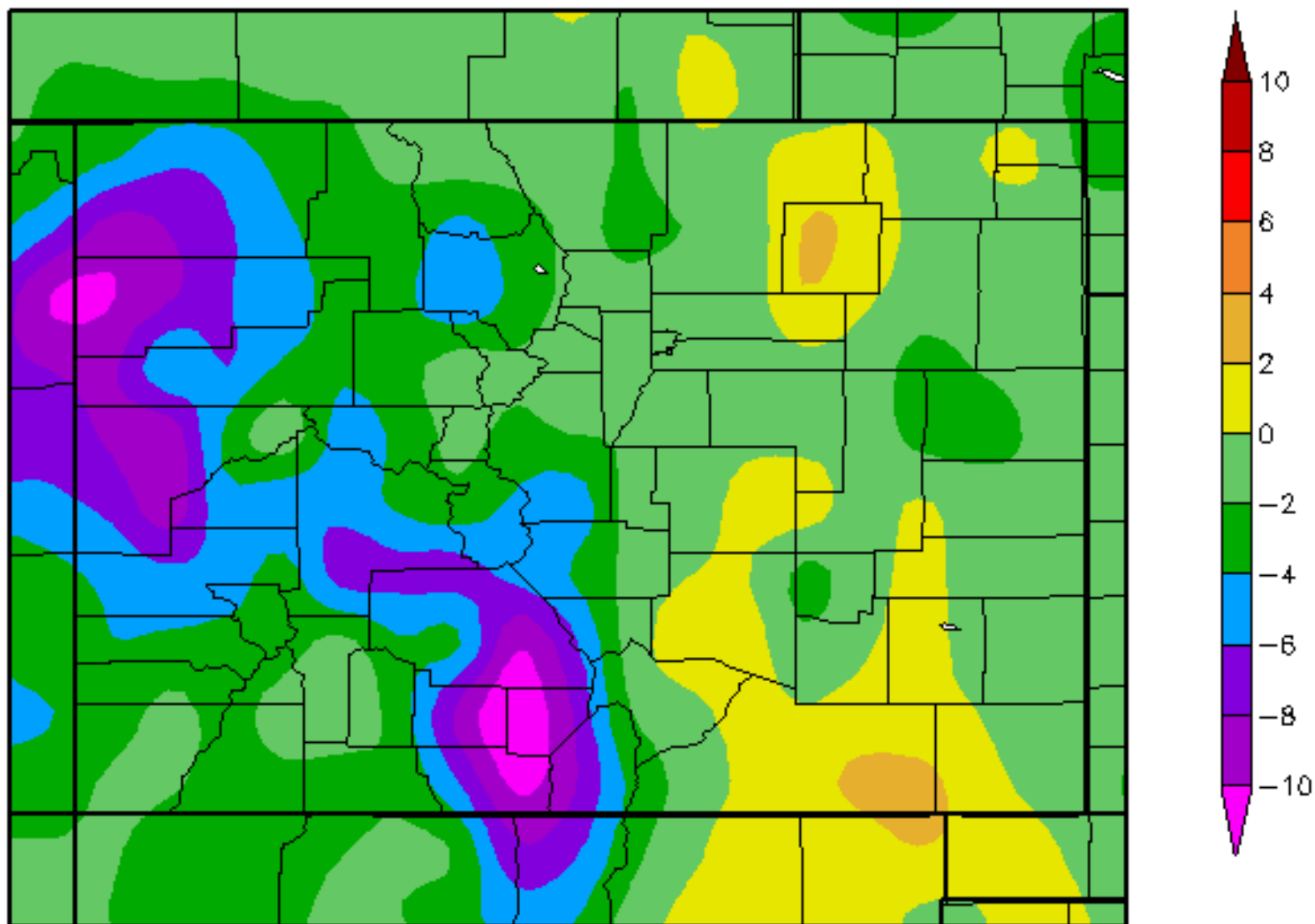
— 1901-2000 Avg: 25.2°F —●— Temperature

22.1 degrees ranks as the 22nd coolest on record 1895-2013.



Departure from Normal Temperature (F)

12/1/2013 - 12/31/2013

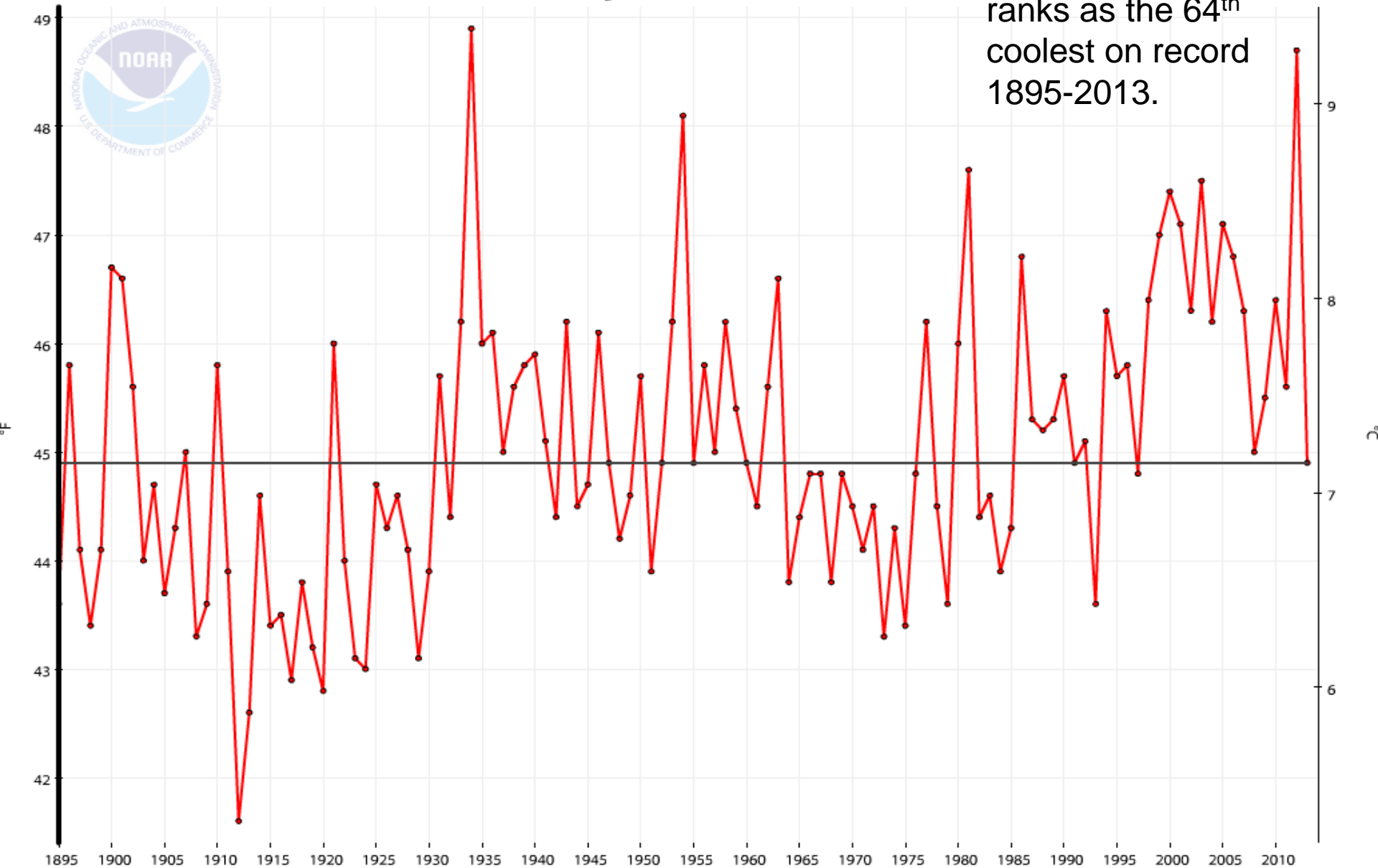


Annual Average Temperature History for Colorado (NCDC)

Colorado, Temperature, January-December

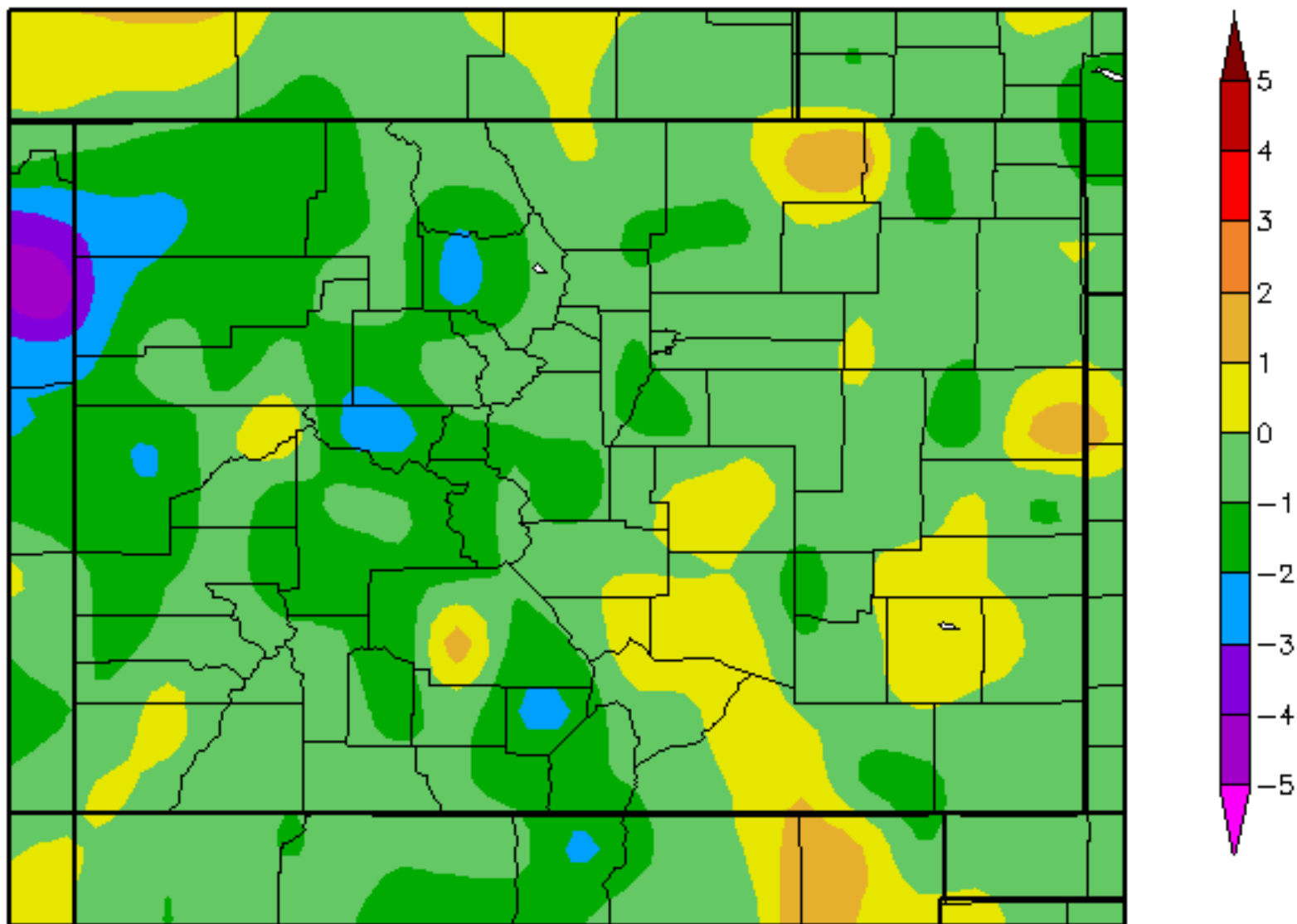
— 1901-2000 Avg: 44.9°F ●— Temperature

44.9 degrees
ranks as the 64th
coolest on record
1895-2013.



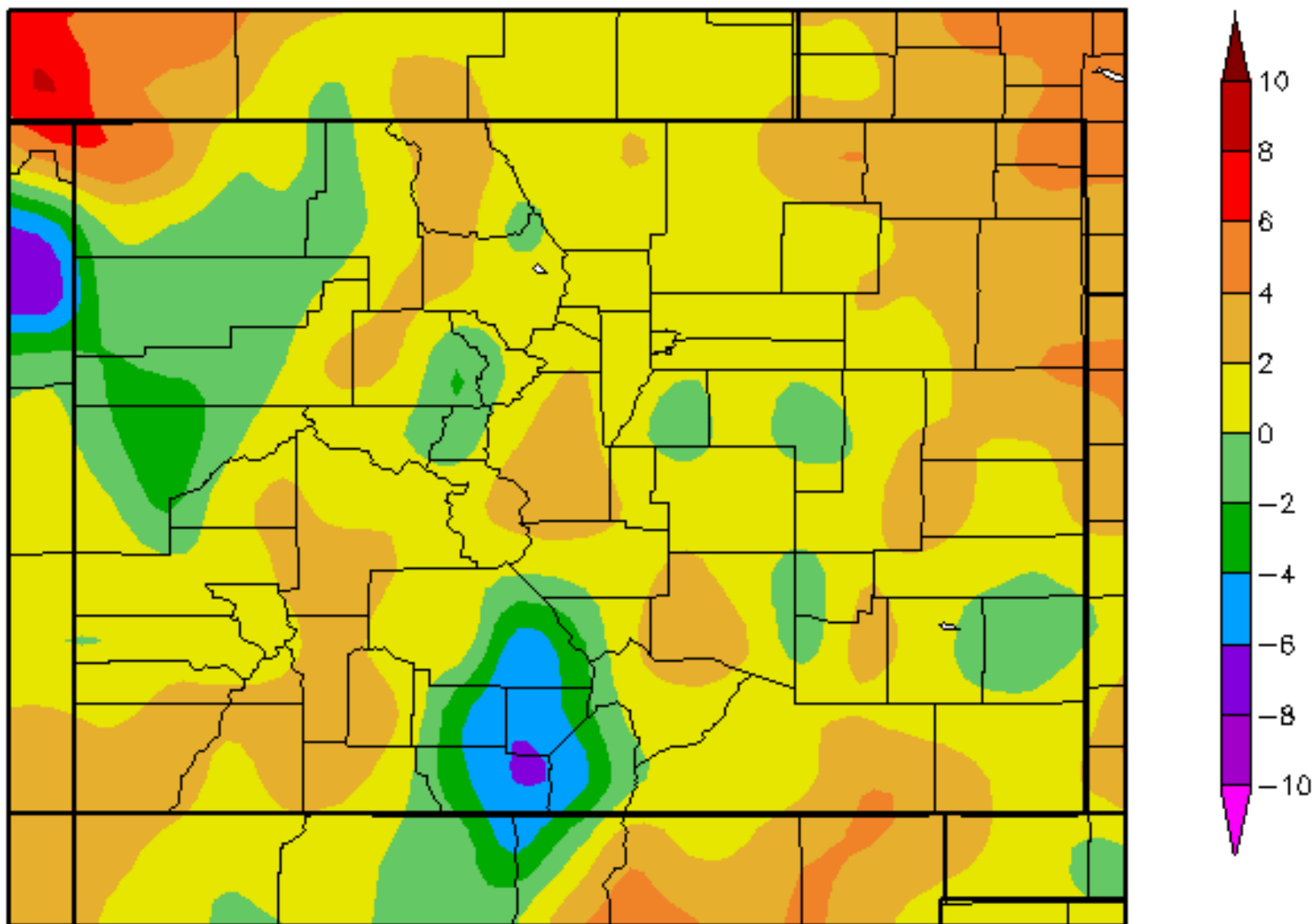
Departure from Normal Temperature (F)

1/1/2013 - 12/31/2013

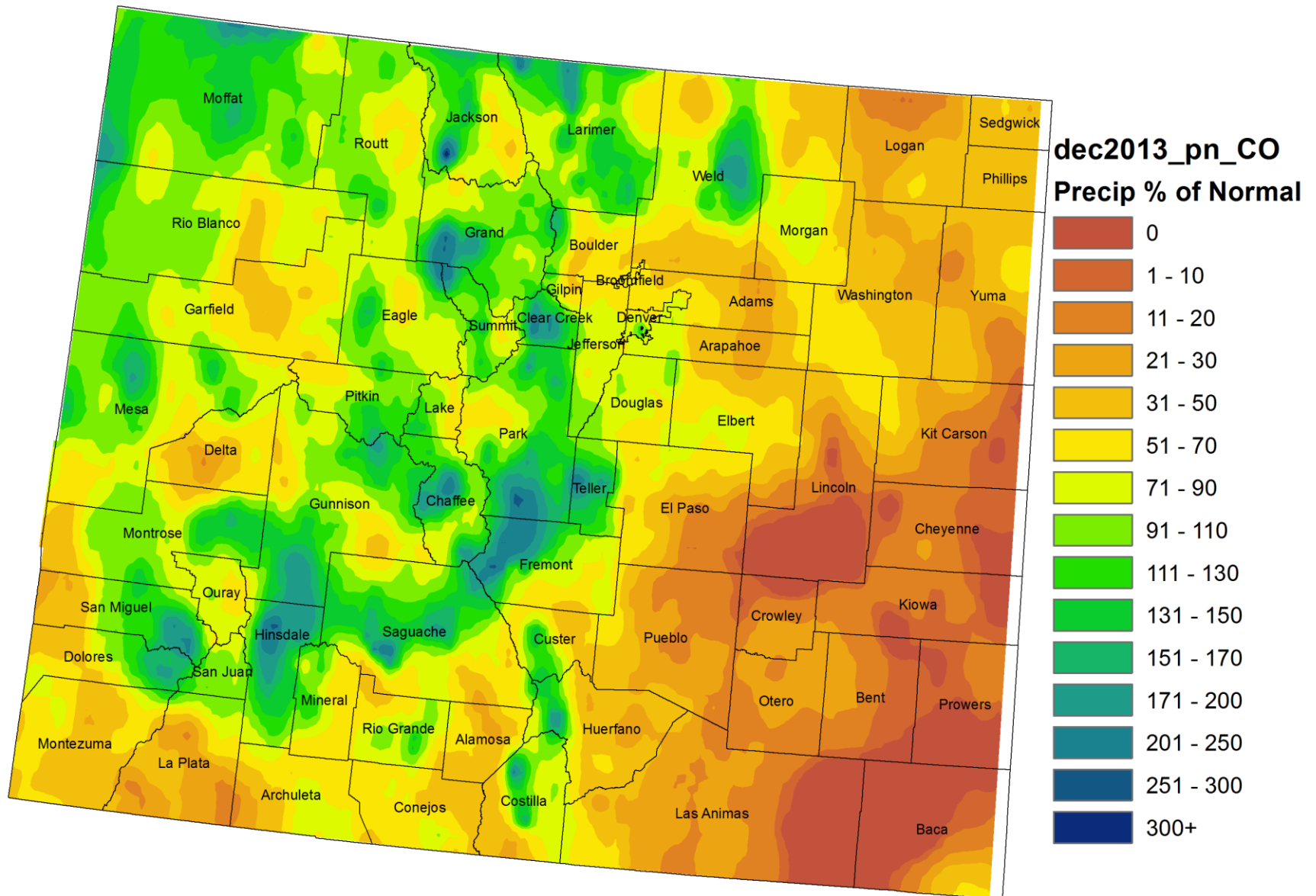


Departure from Normal Temperature (F)

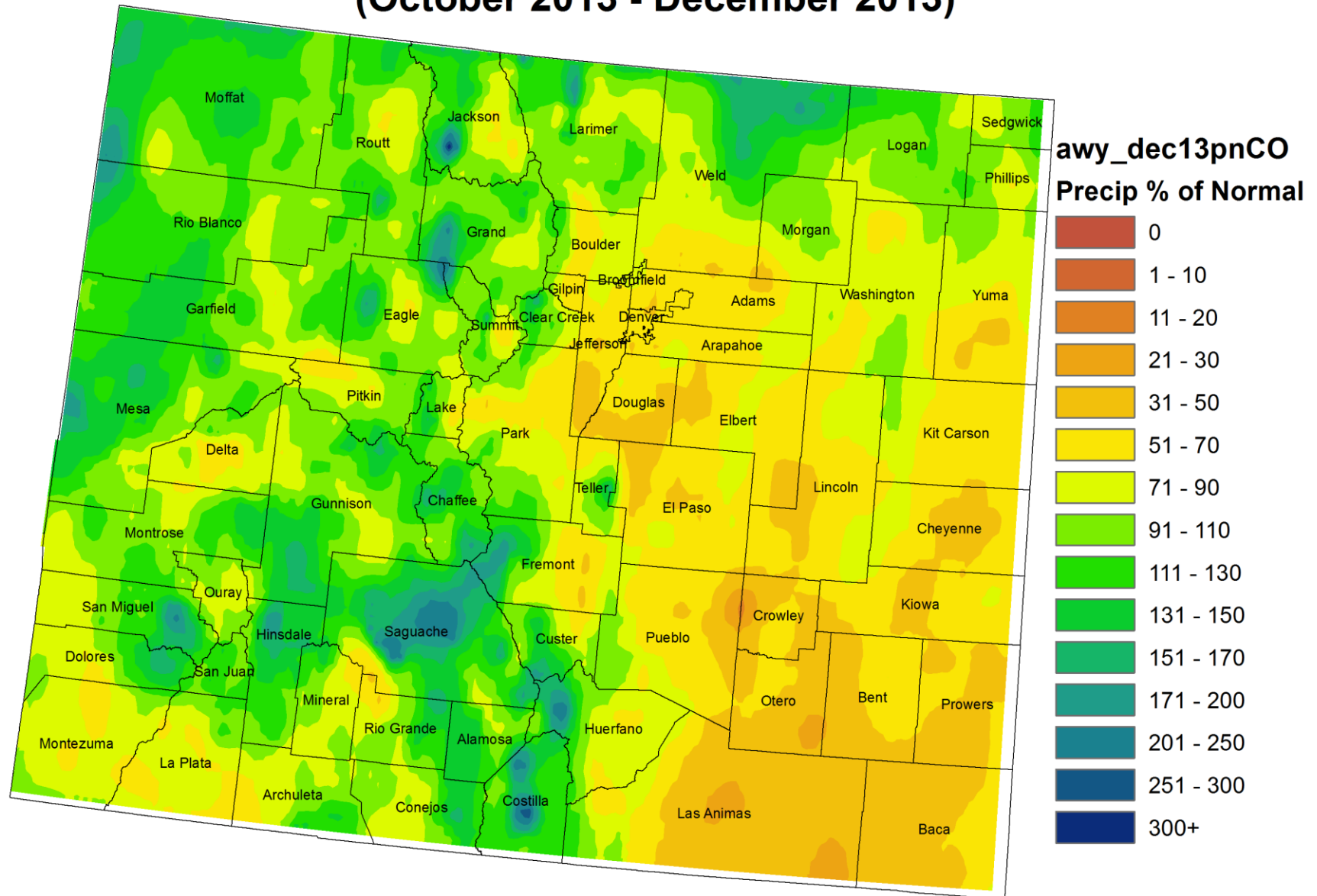
1/1/2014 - 1/20/2014



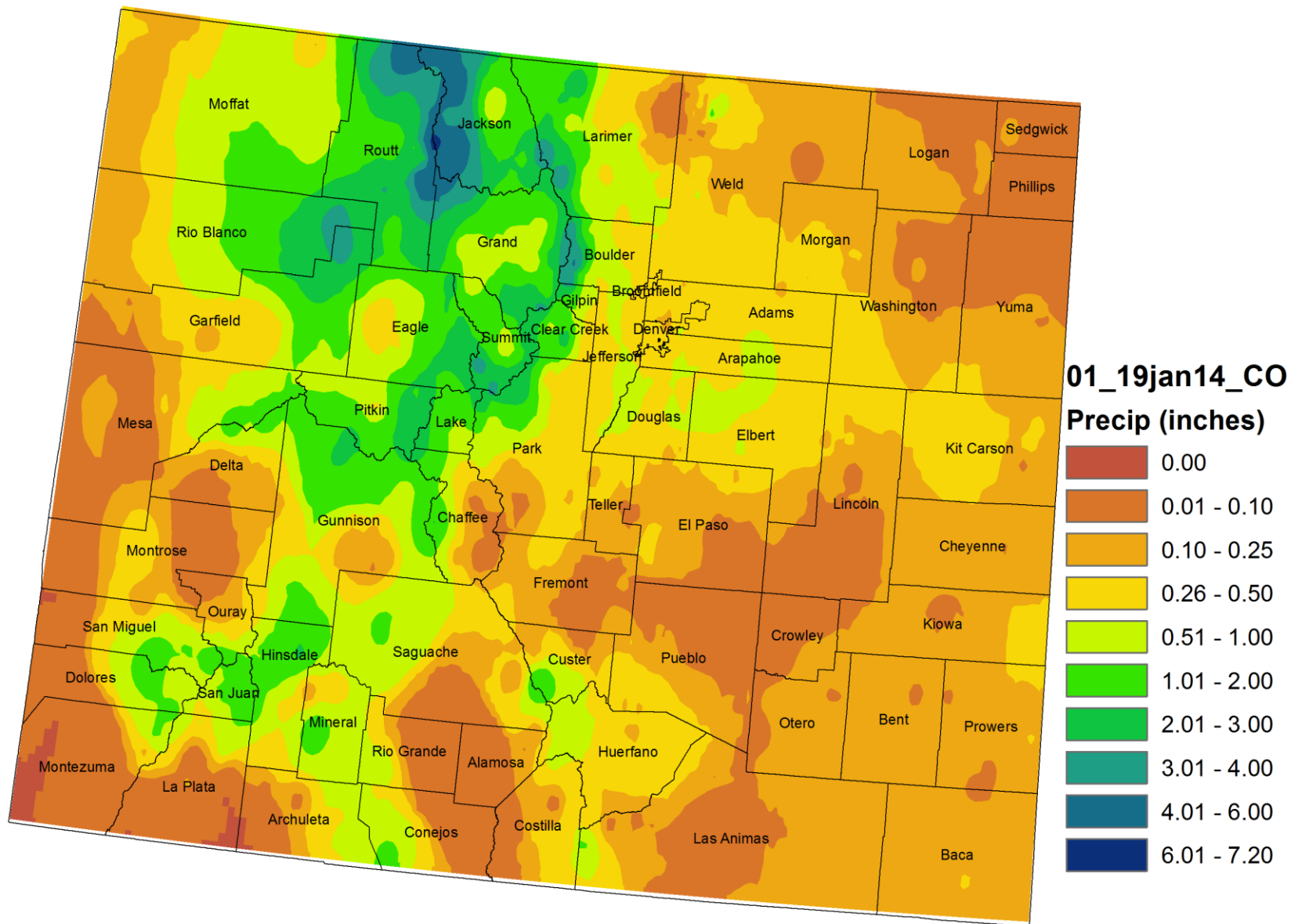
Colorado December 2013 Precipitation as Percentage of Normal



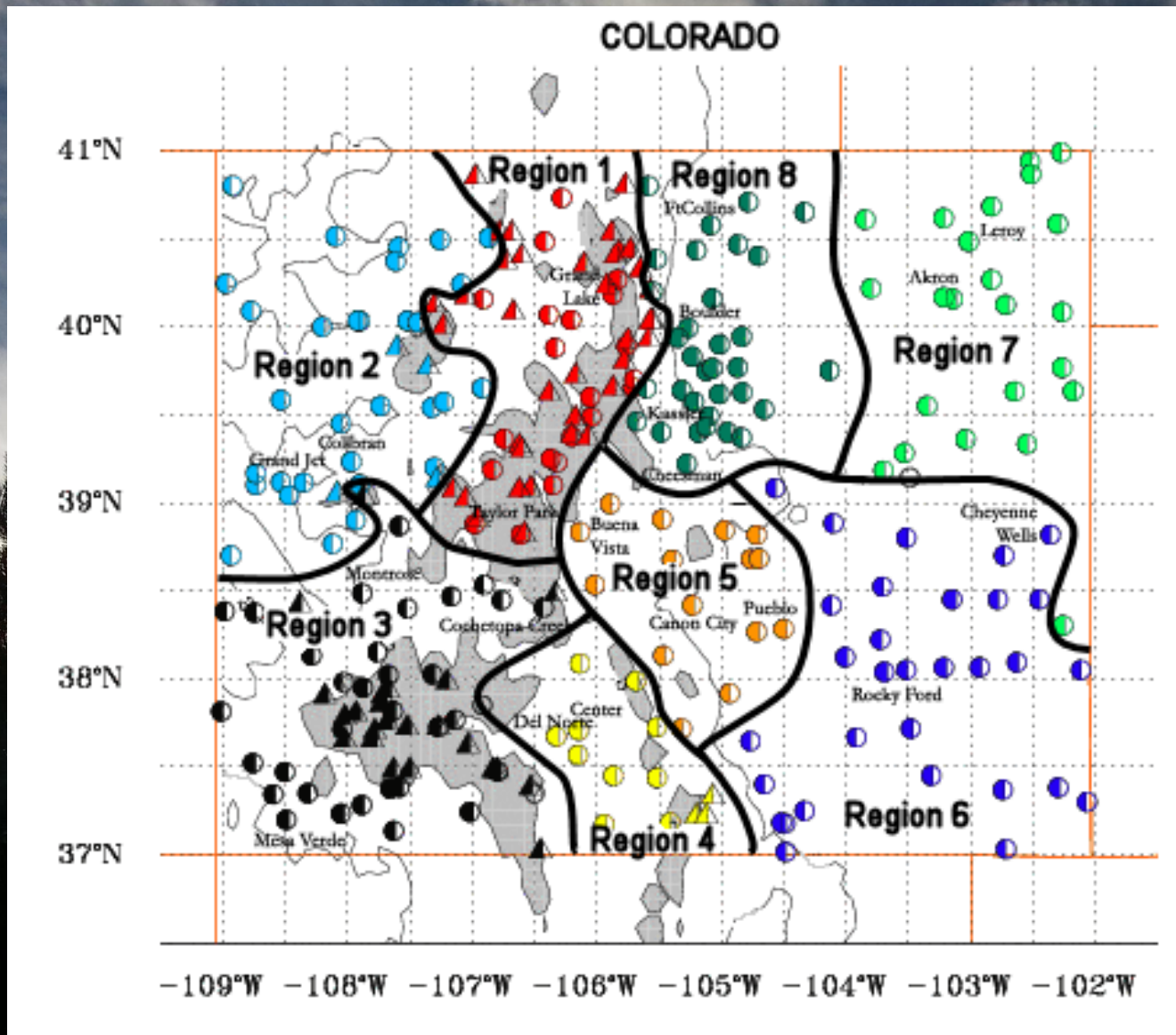
Colorado Water Year 2014 Precipitation as Percentage of Normal (October 2013 - December 2013)



Colorado Month to Date Precipitation 1 - 19 January 2014

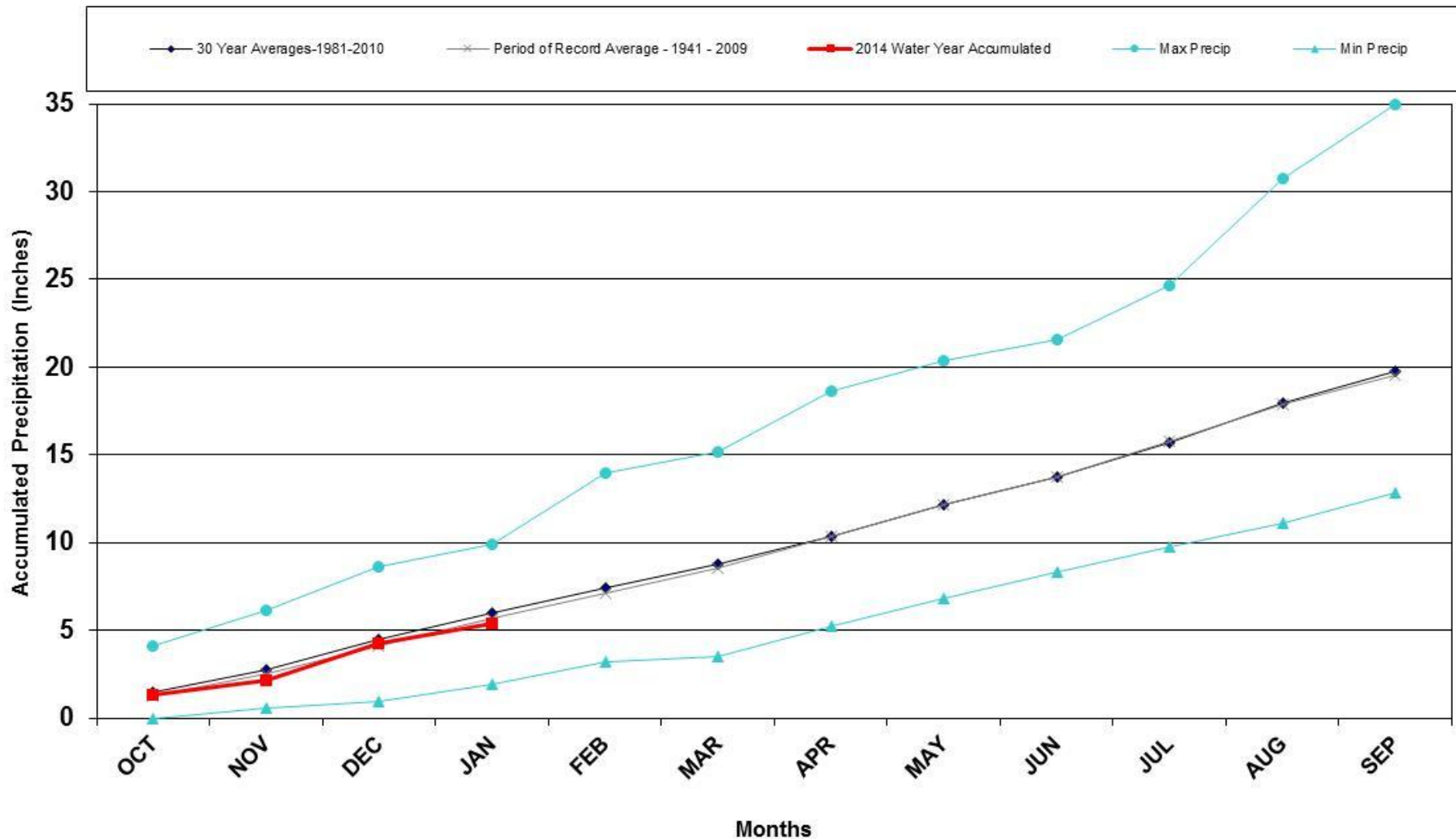


Climate divisions defined by Dr. Klaus Wolter of NOAA's Climate Diagnostic Center in Boulder, CO



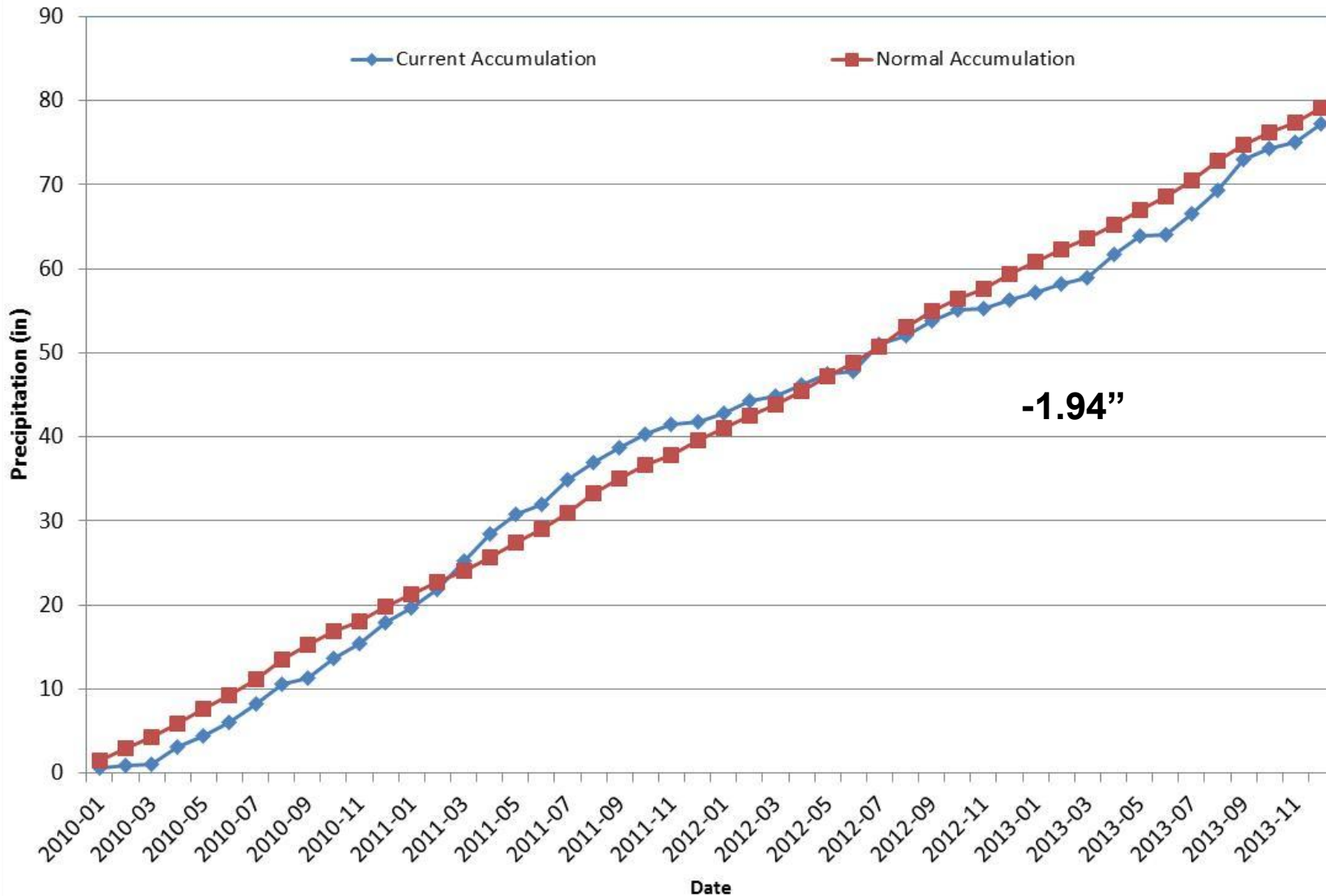
Division 1 – Grand Lake 1NW

Grand Lake 1 NW 2014 Water Year



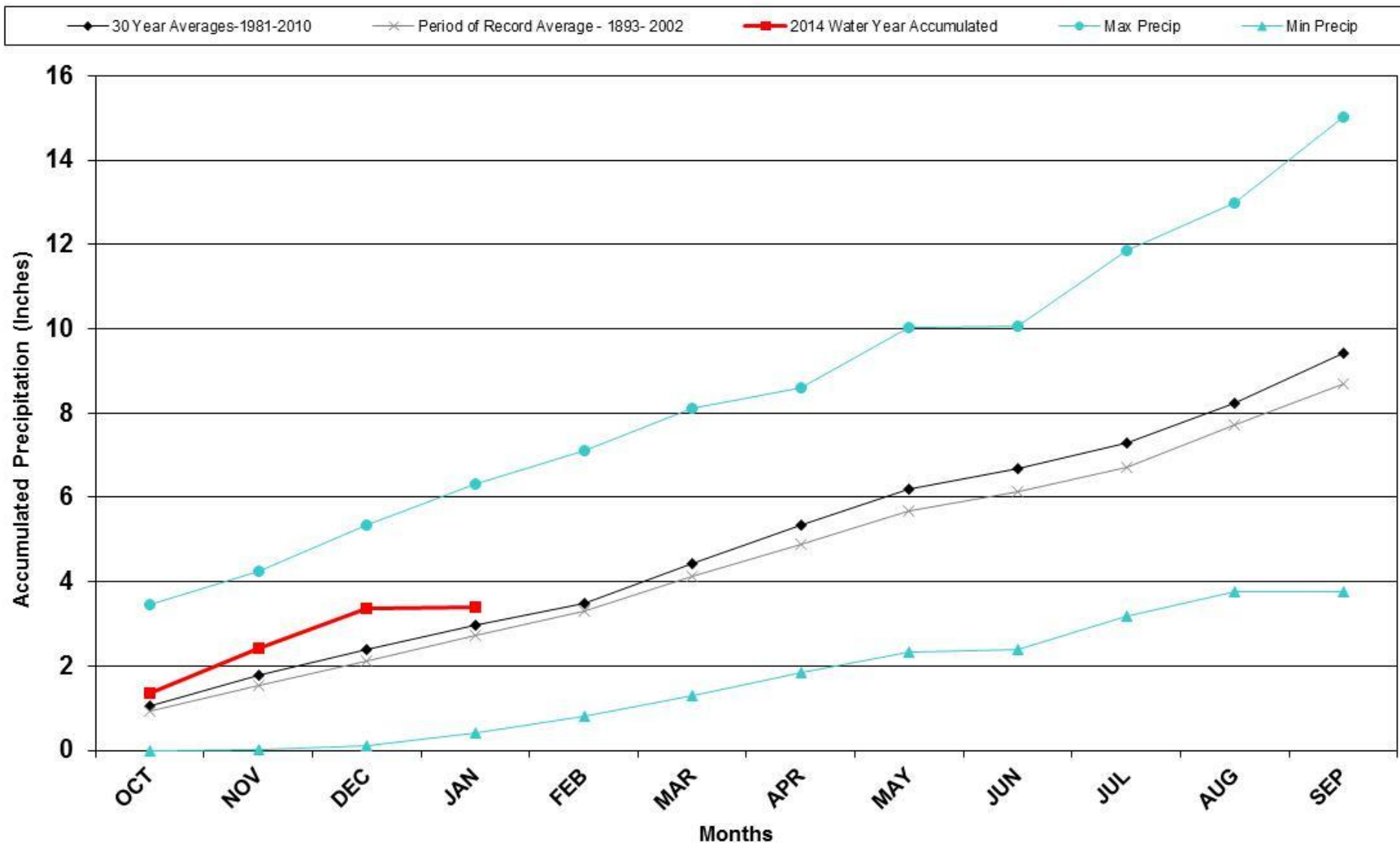
Division 1 – Grand Lake 1NW

Grand Lake 1NW Precipitation Accumulation



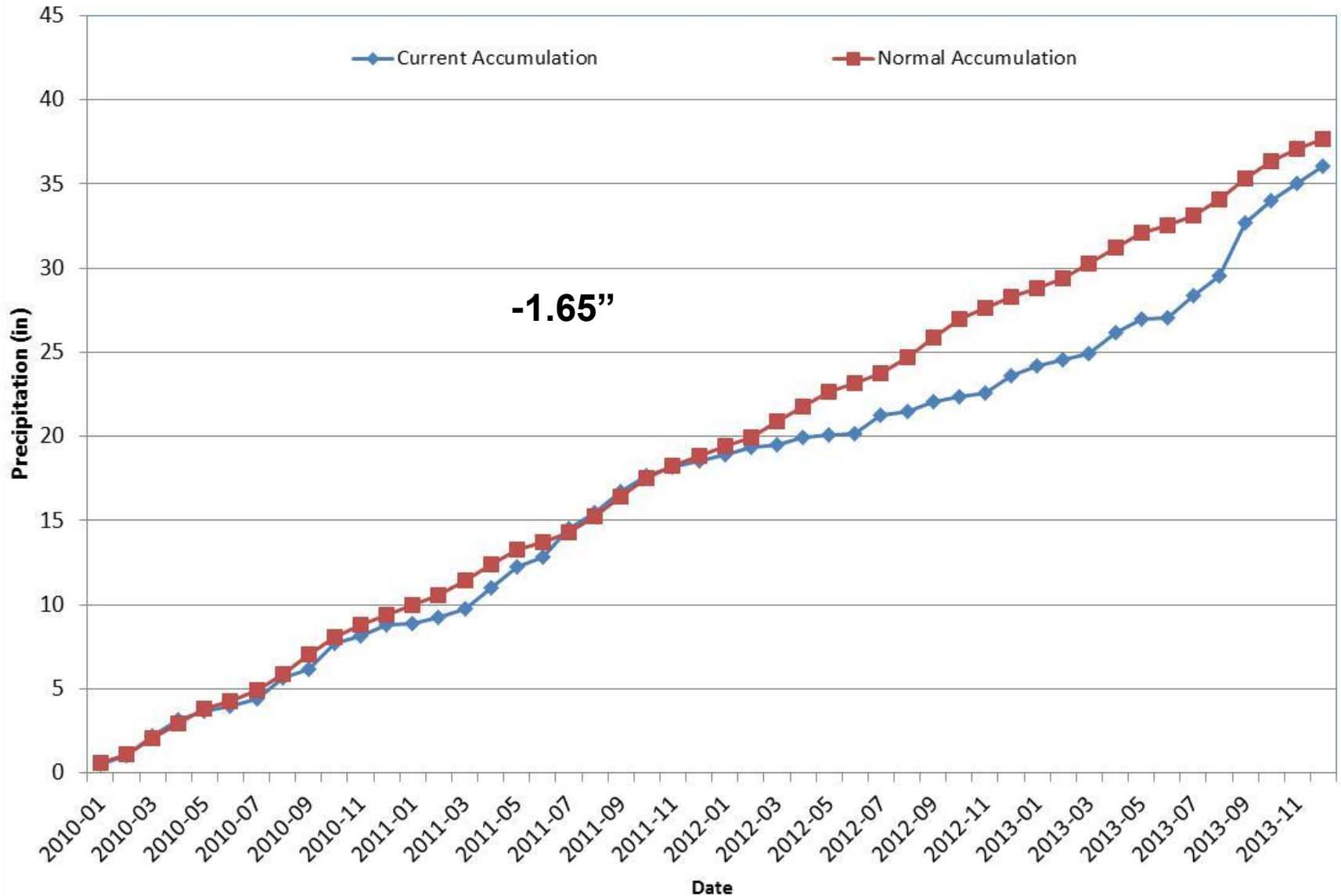
Division 2 – Grand Junction

Grand Junction WSFO 2014 Water Year



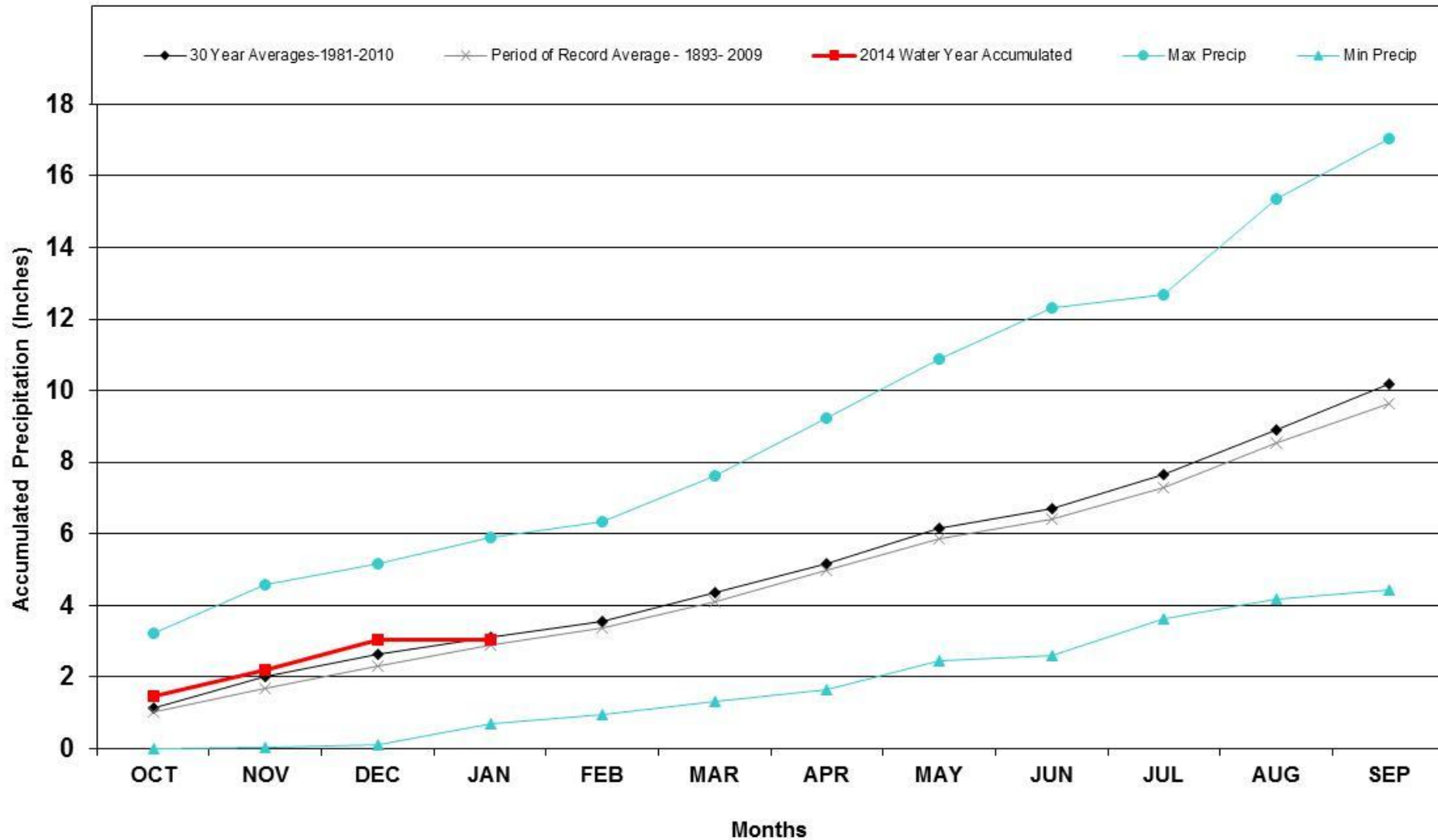
Division 2 – Grand Junction

Grand Junction Precipitation Accumulation



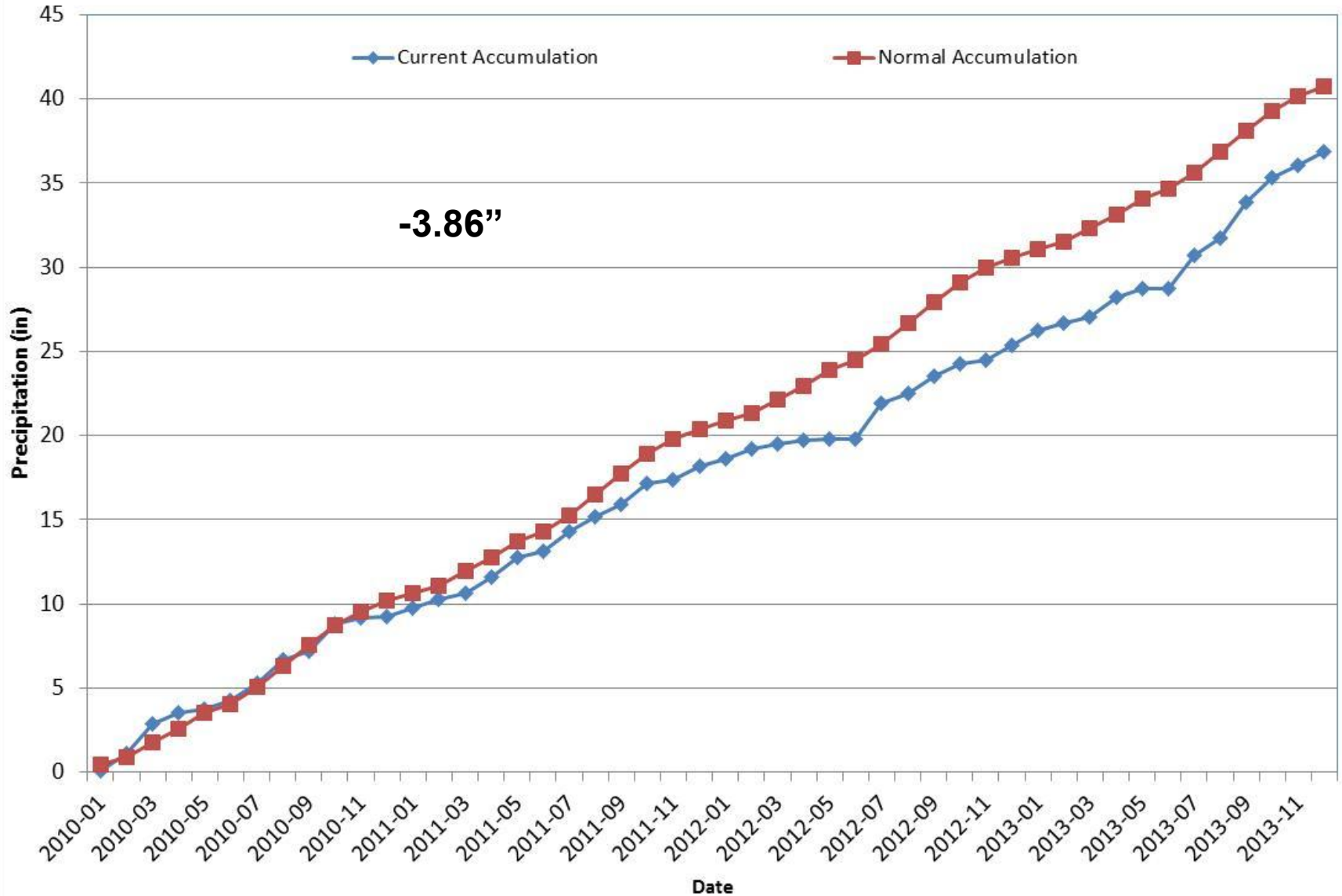
Division 3 – Montrose

Montrose #2 2014 Water Year



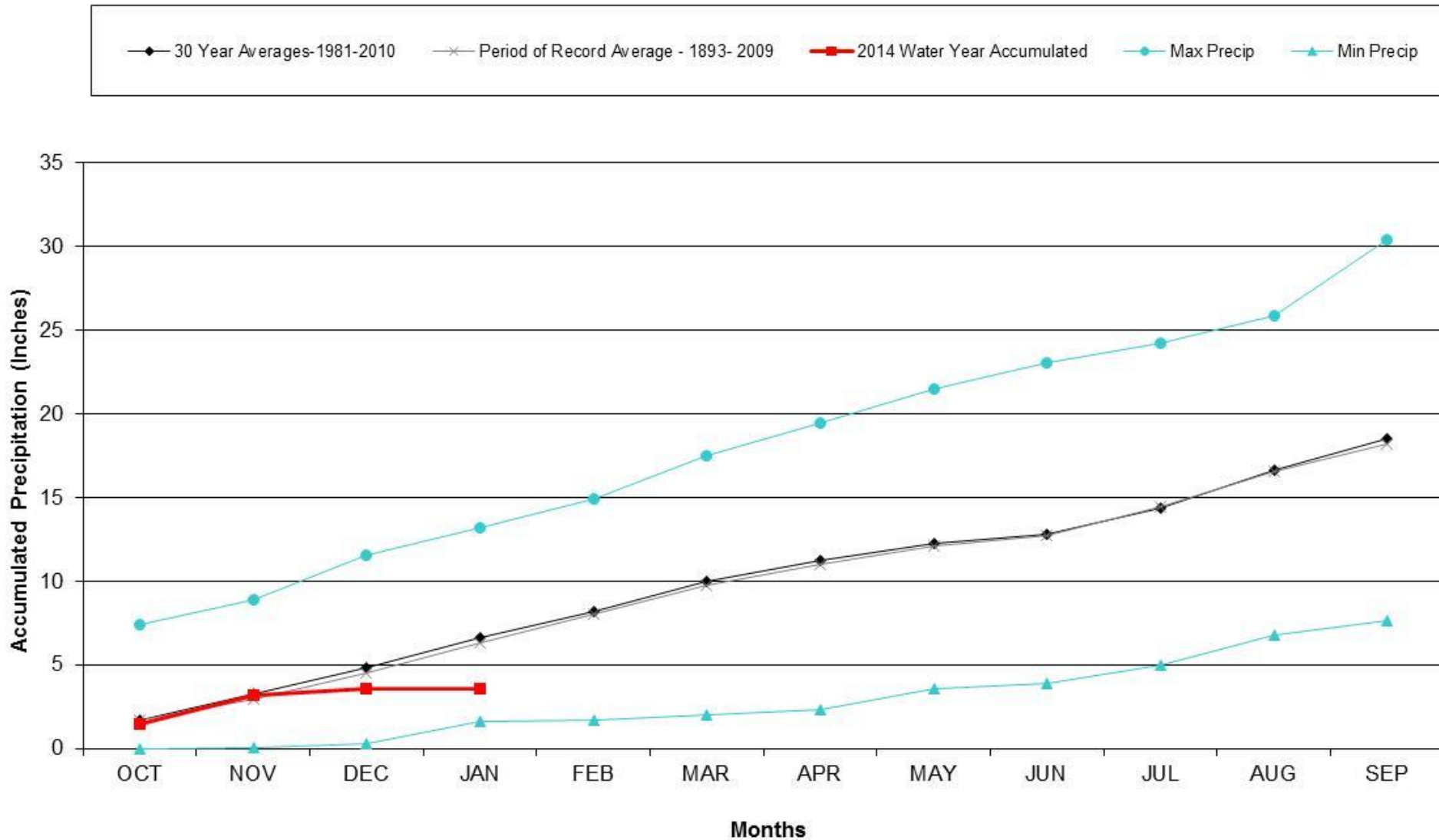
Division 3 – Montrose

Montrose #2 Precipitation Accumulation



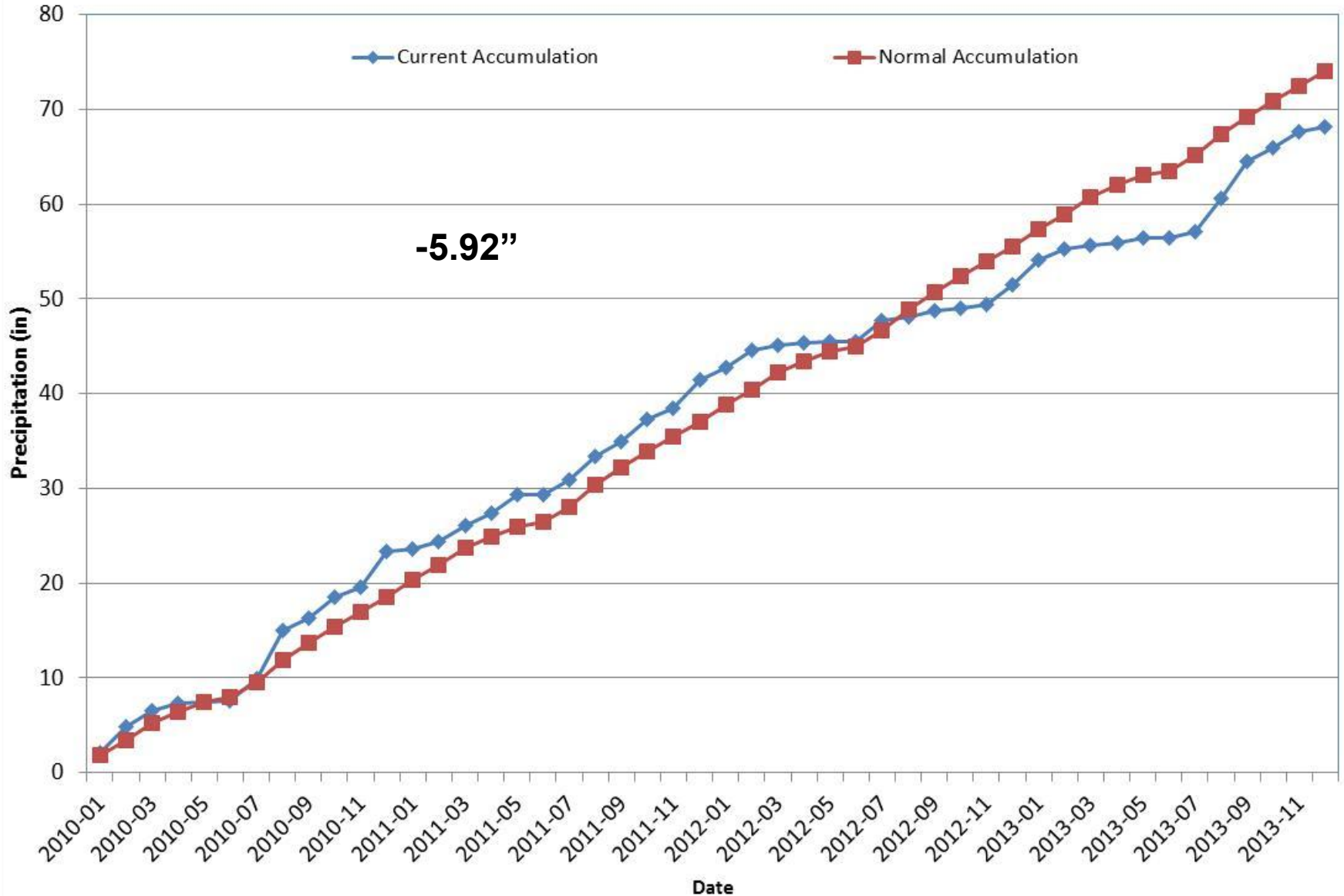
Division 3 – Mesa Verde NP

Mesa Verde NP 2014 Water Year



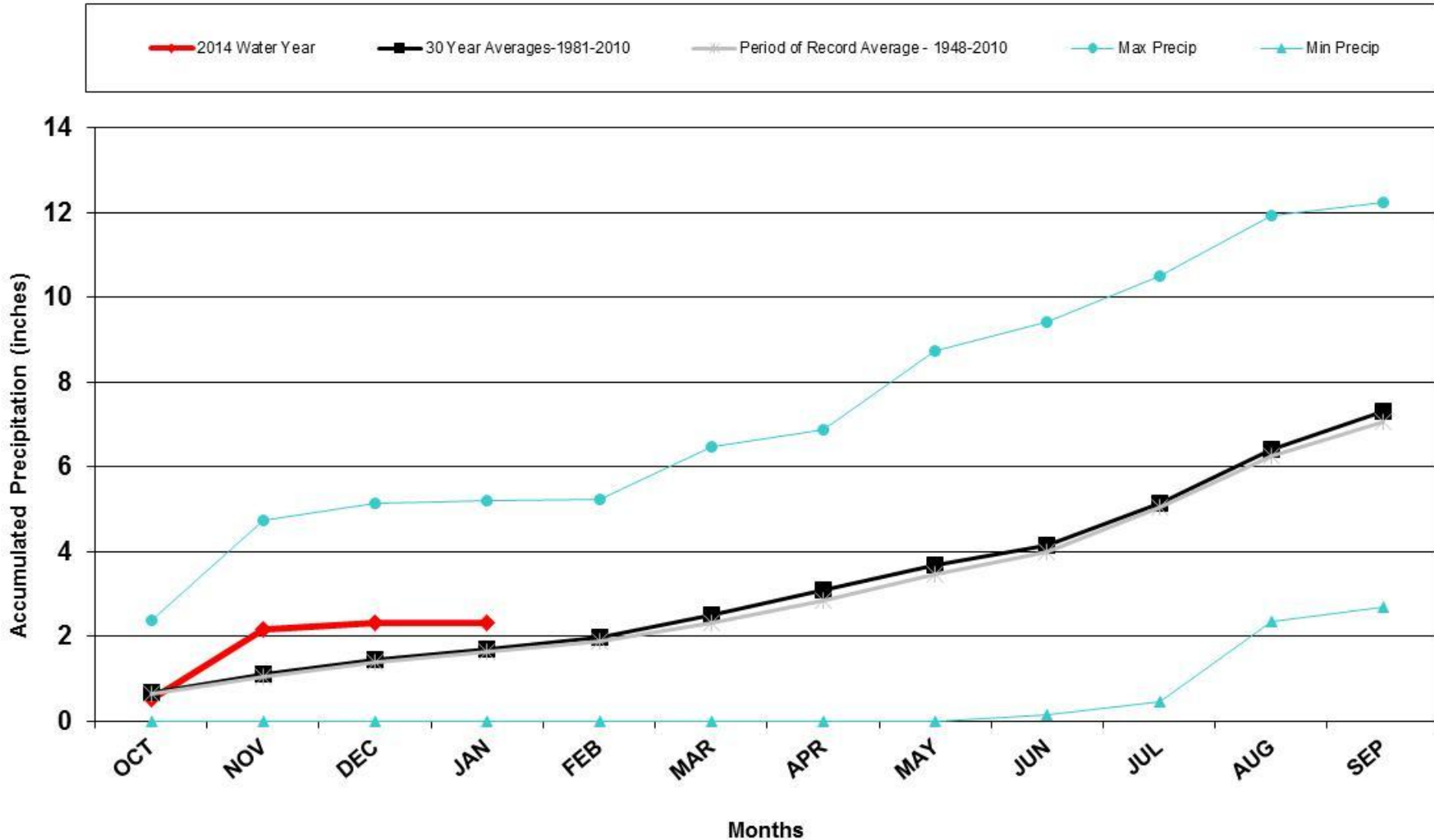
Division 3 – Mesa Verde NP

Mesa Verde NP Precipitation Accumulation



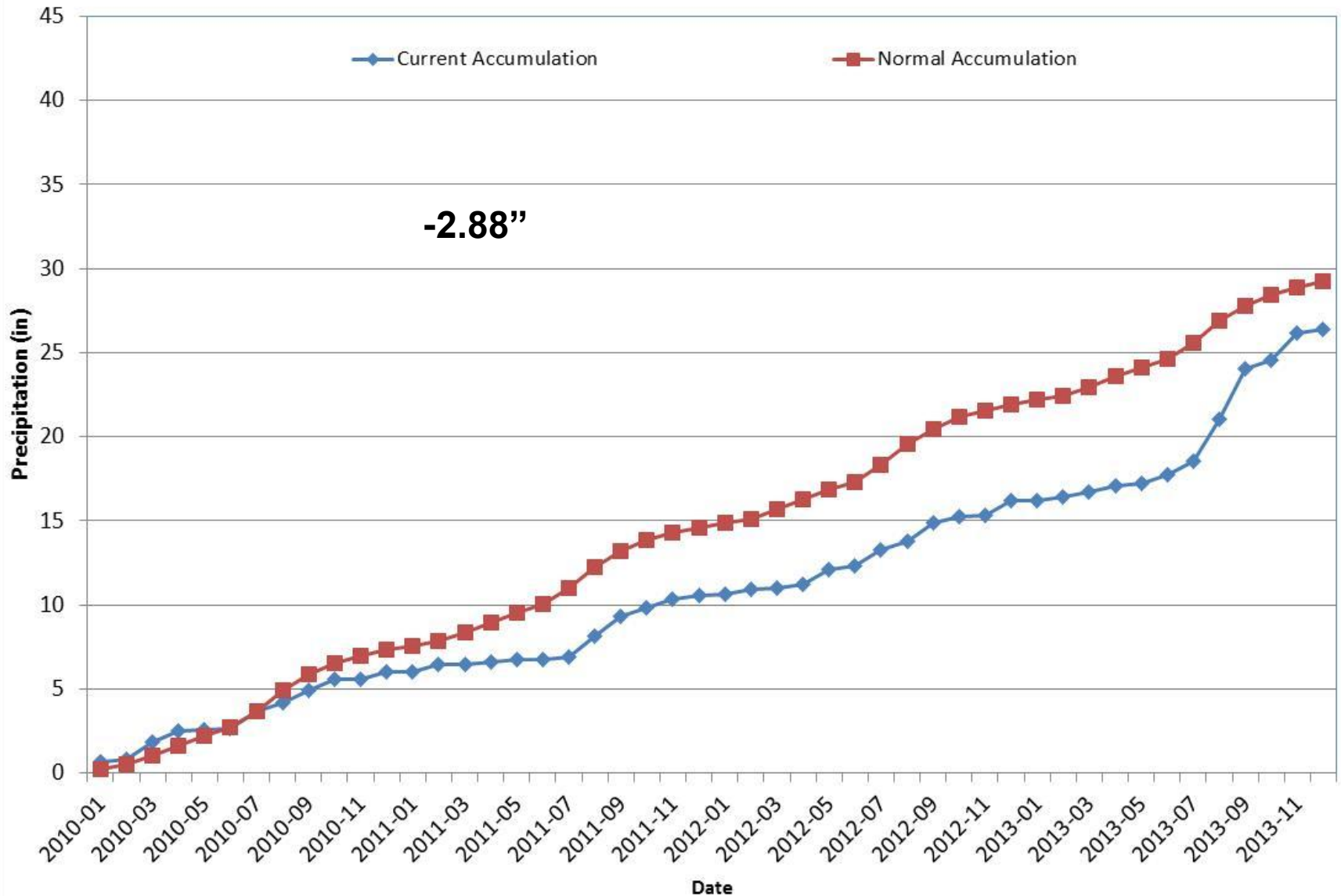
Division 4 – Alamosa

Alamosa WSO 2014 Water Year



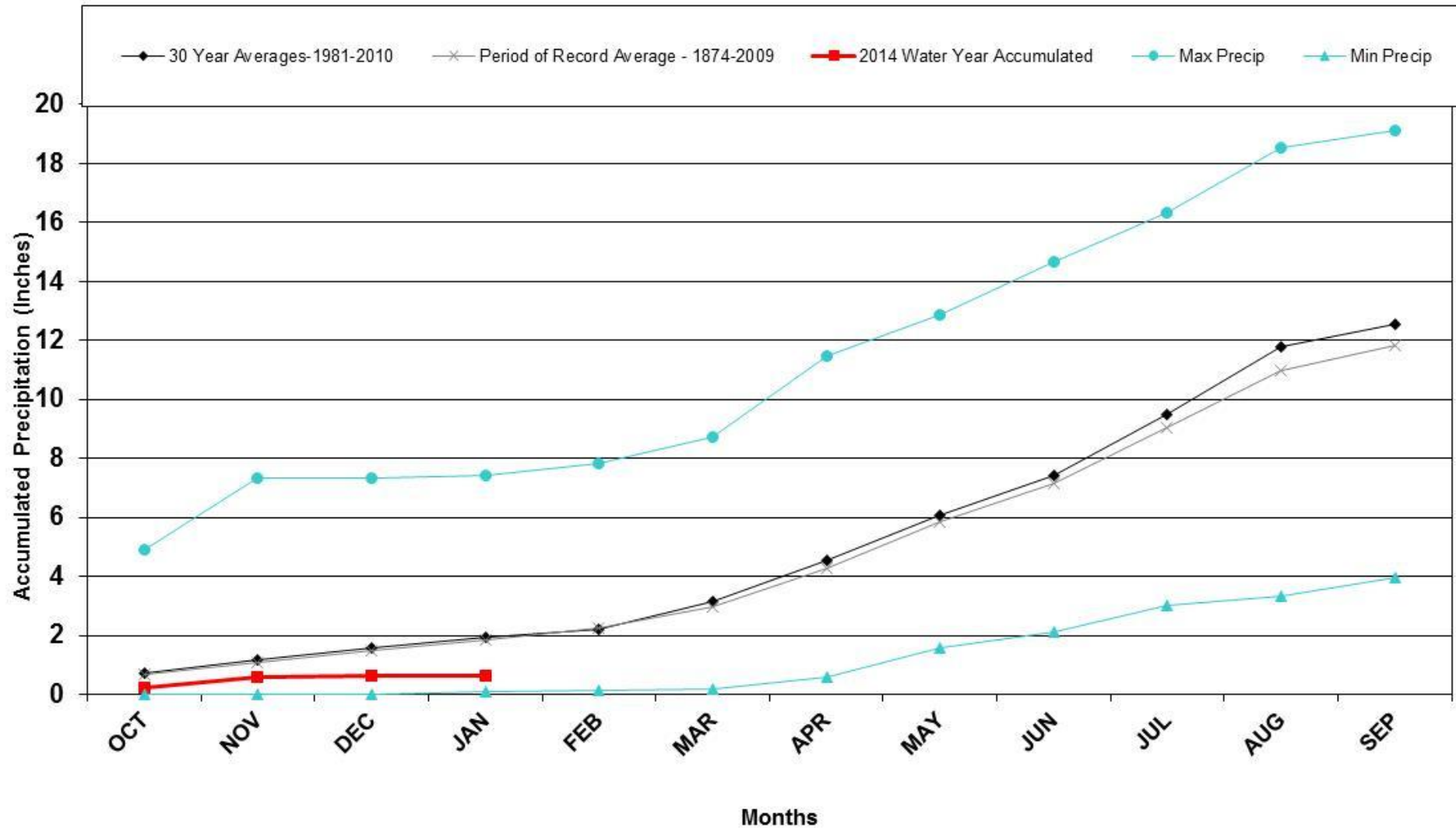
Division 4 – Alamosa

Alamosa WSO Precipitation Accumulation



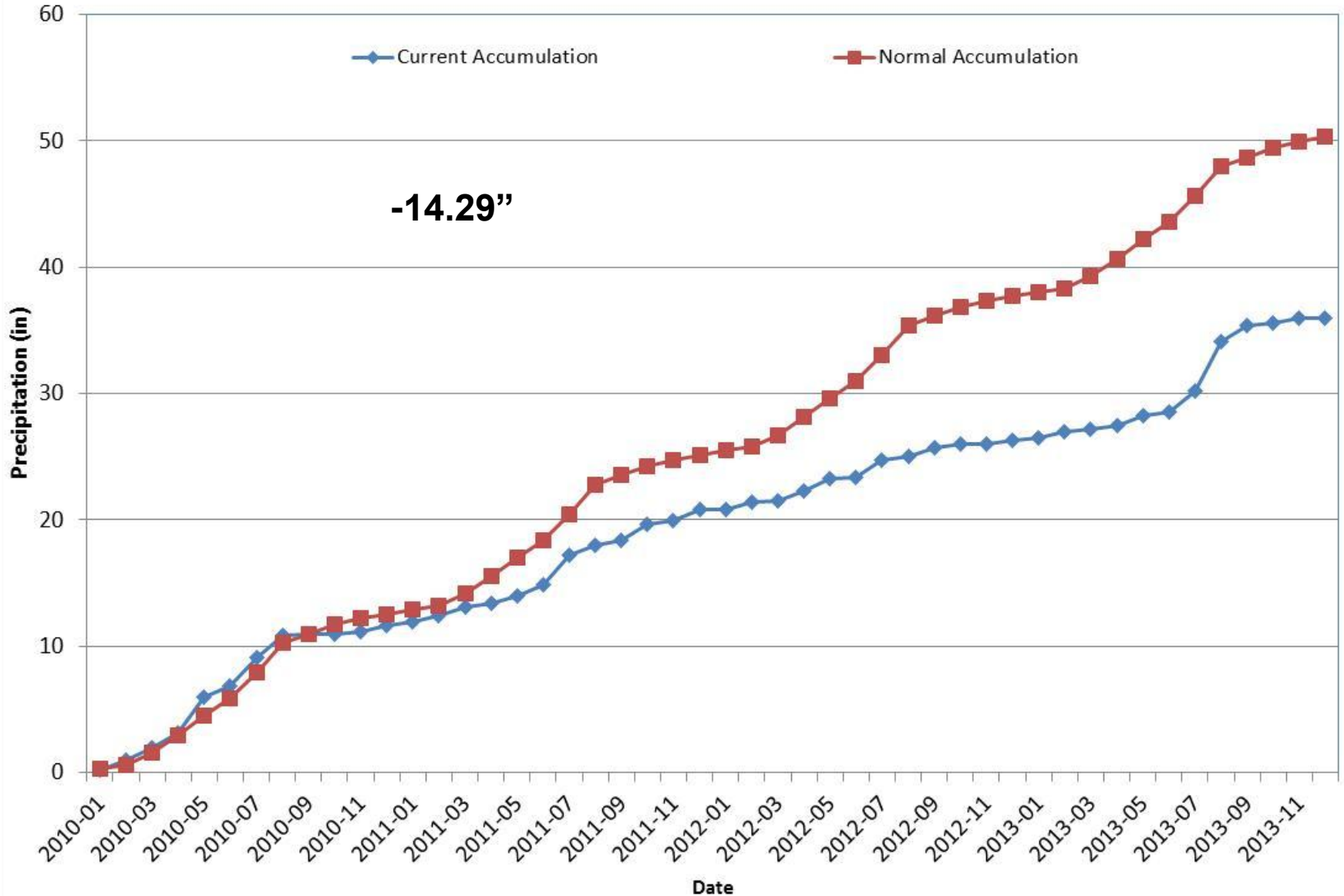
Division 5 – Pueblo

Pueblo WSO 2014 Water Year



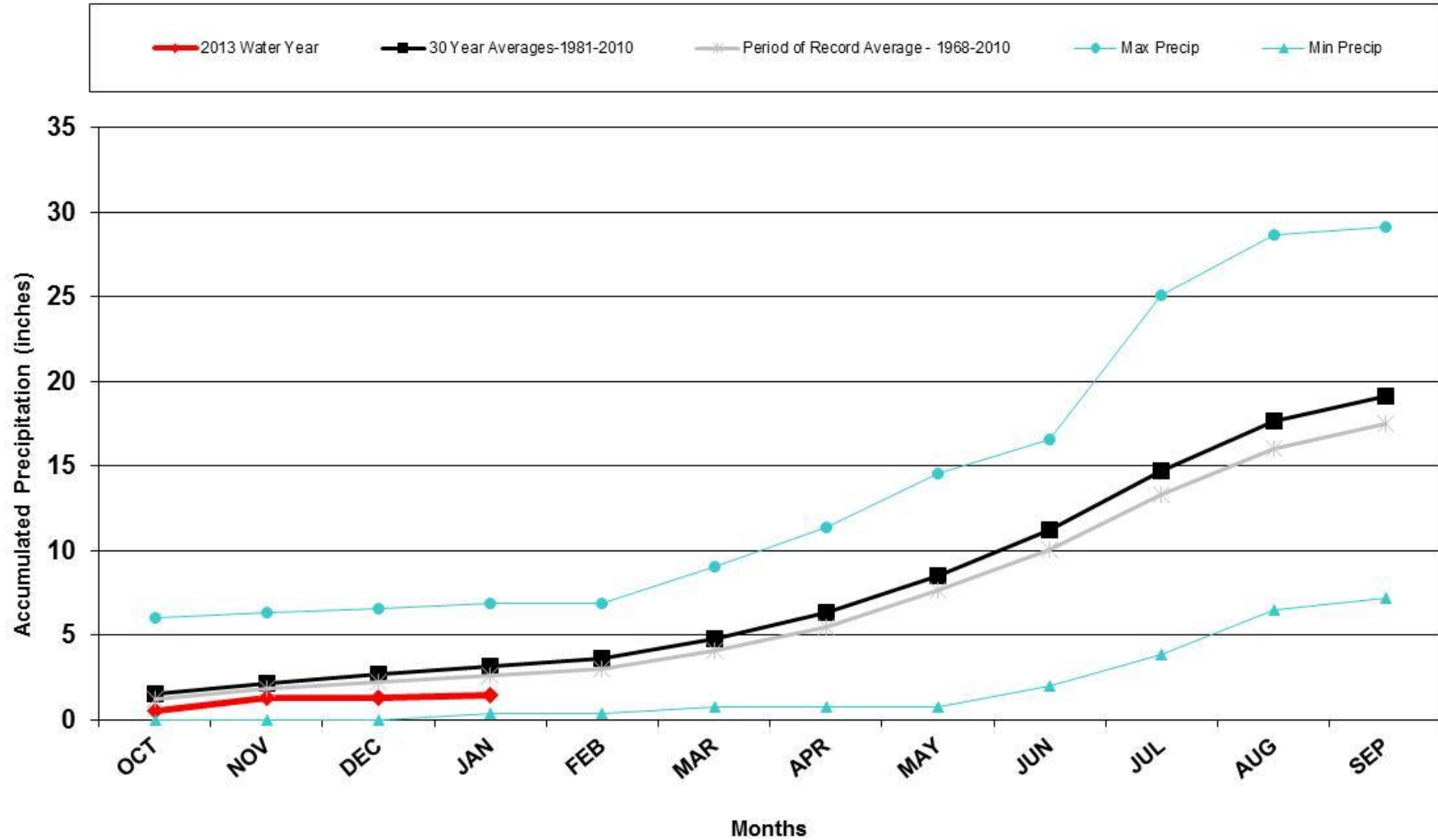
Division 5 – Pueblo

Pueblo Memorial AP Precipitation Accumulation



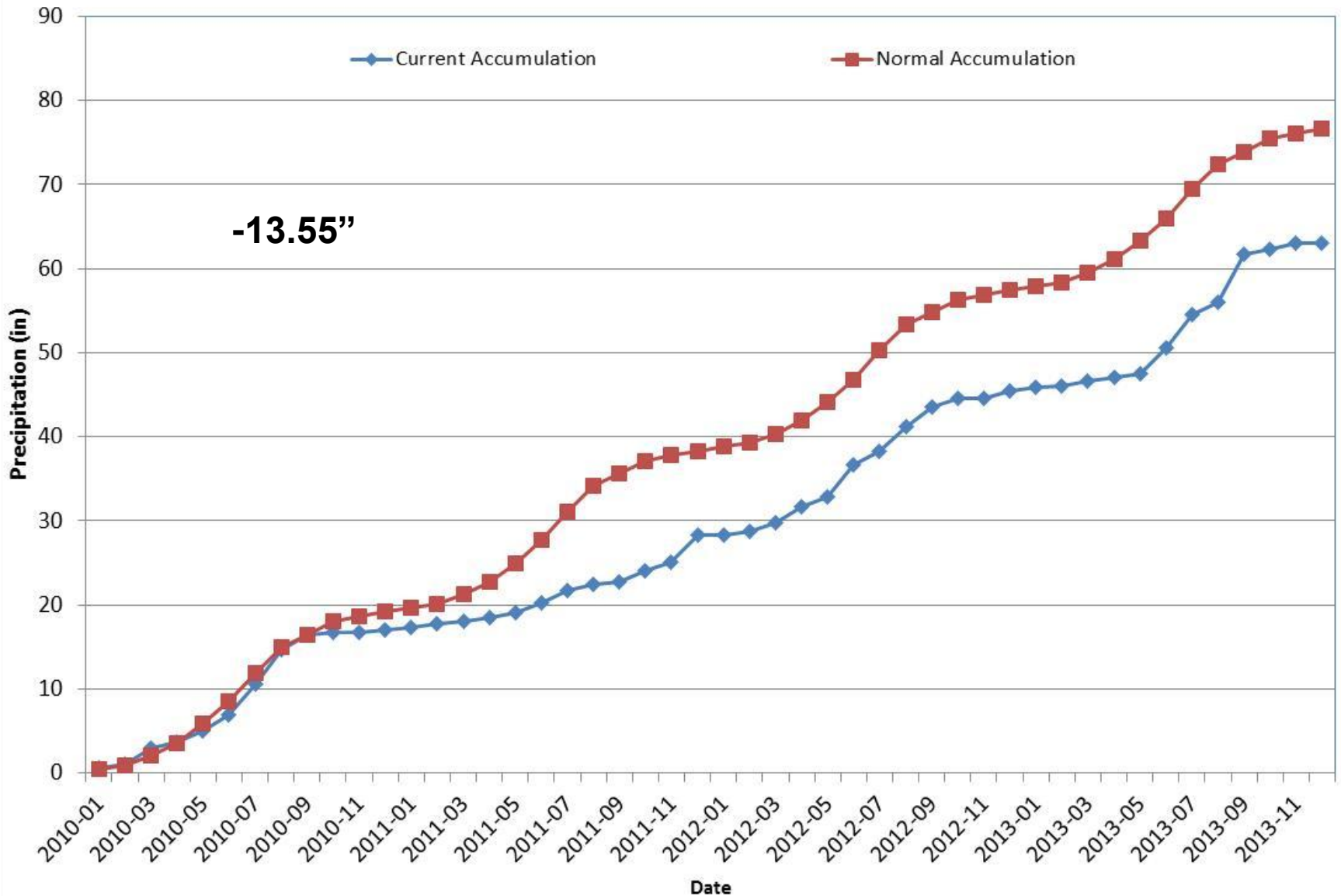
Division 6 - Walsh

Walsh 2014 Water Year



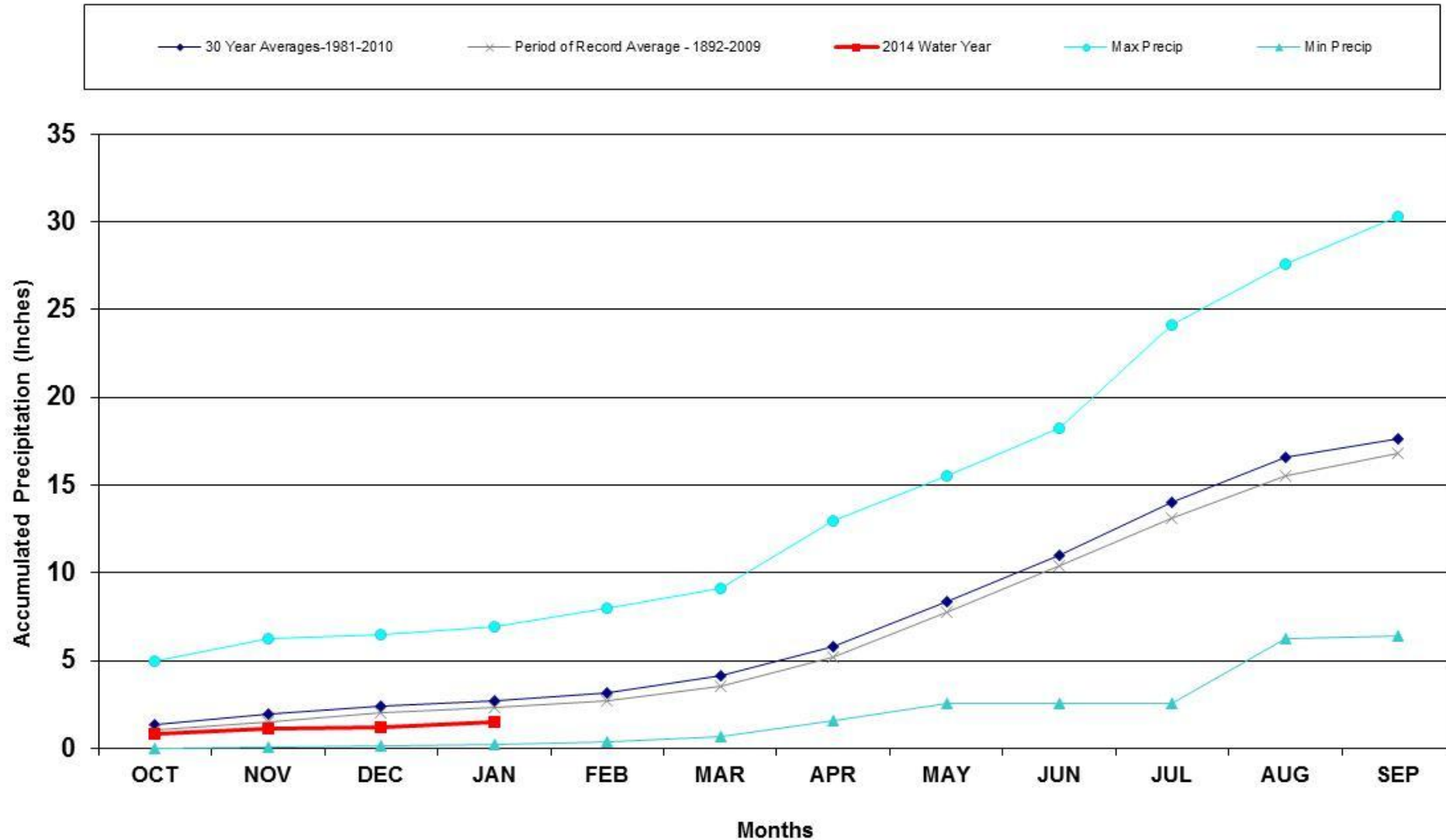
Division 6 - Walsh

Walsh 1W Precipitation Accumulation



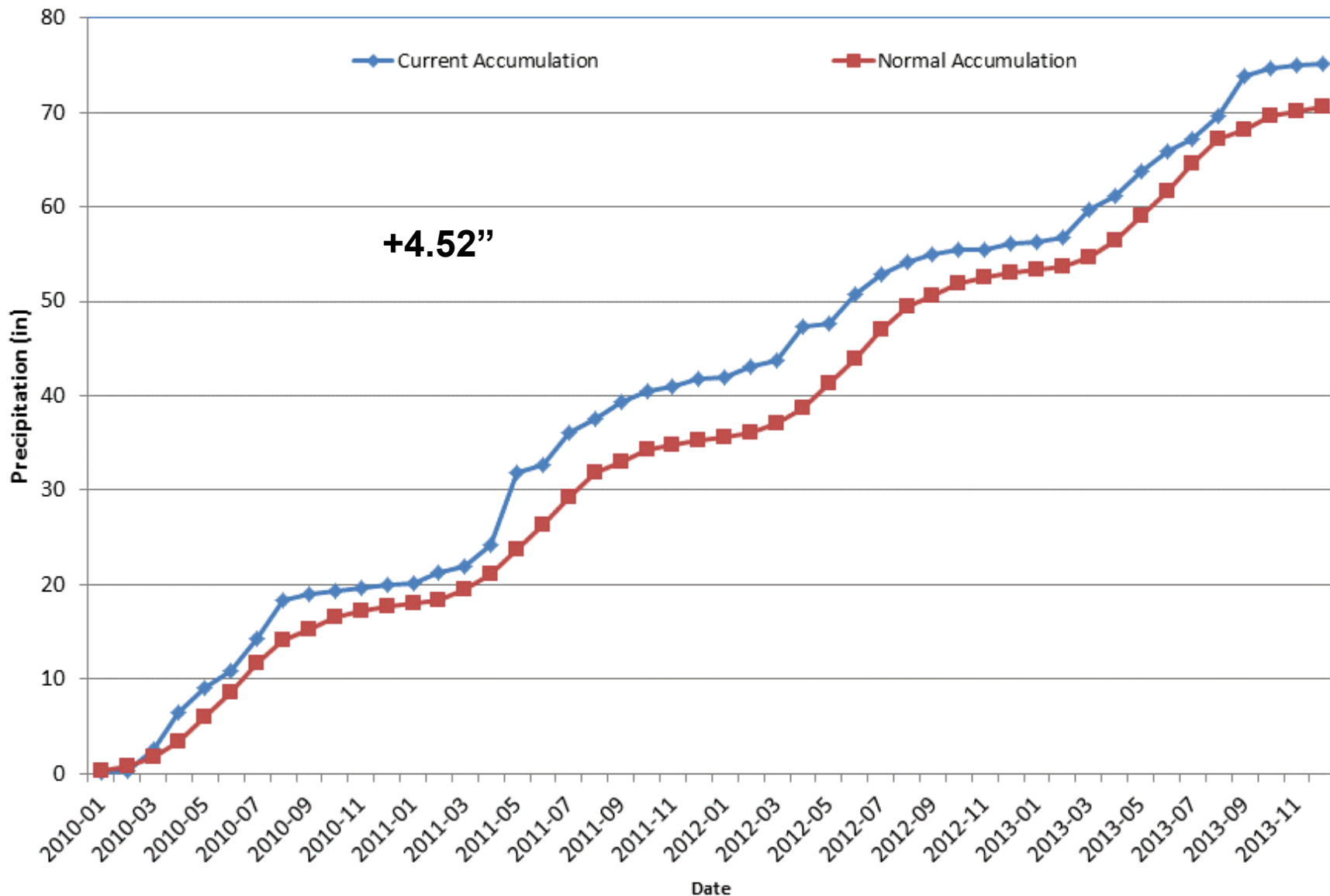
Division 6 - Burlington

Burlington 2014 Water Year



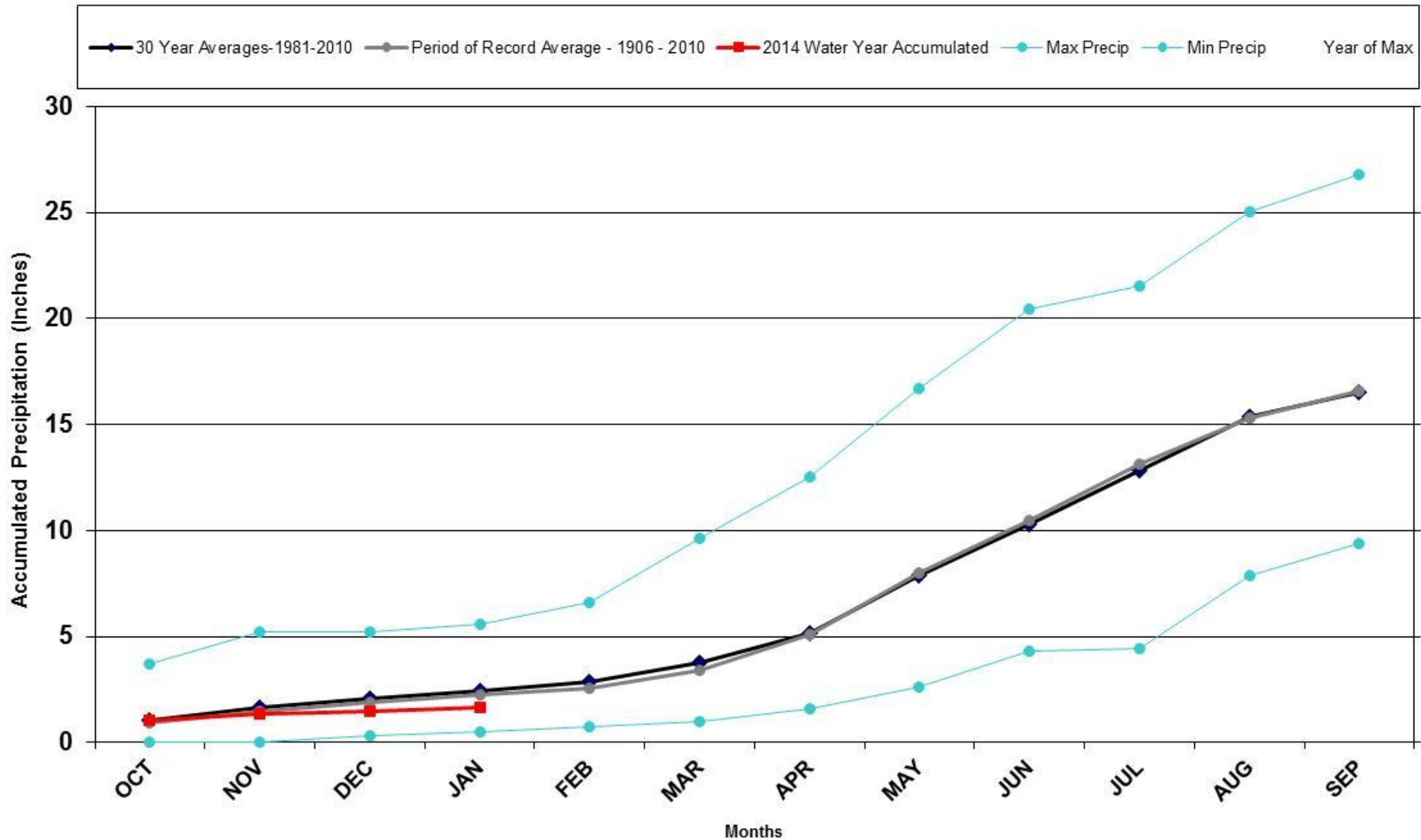
Division 6 - Burlington

Burlington, CO
Precipitation Accumulation



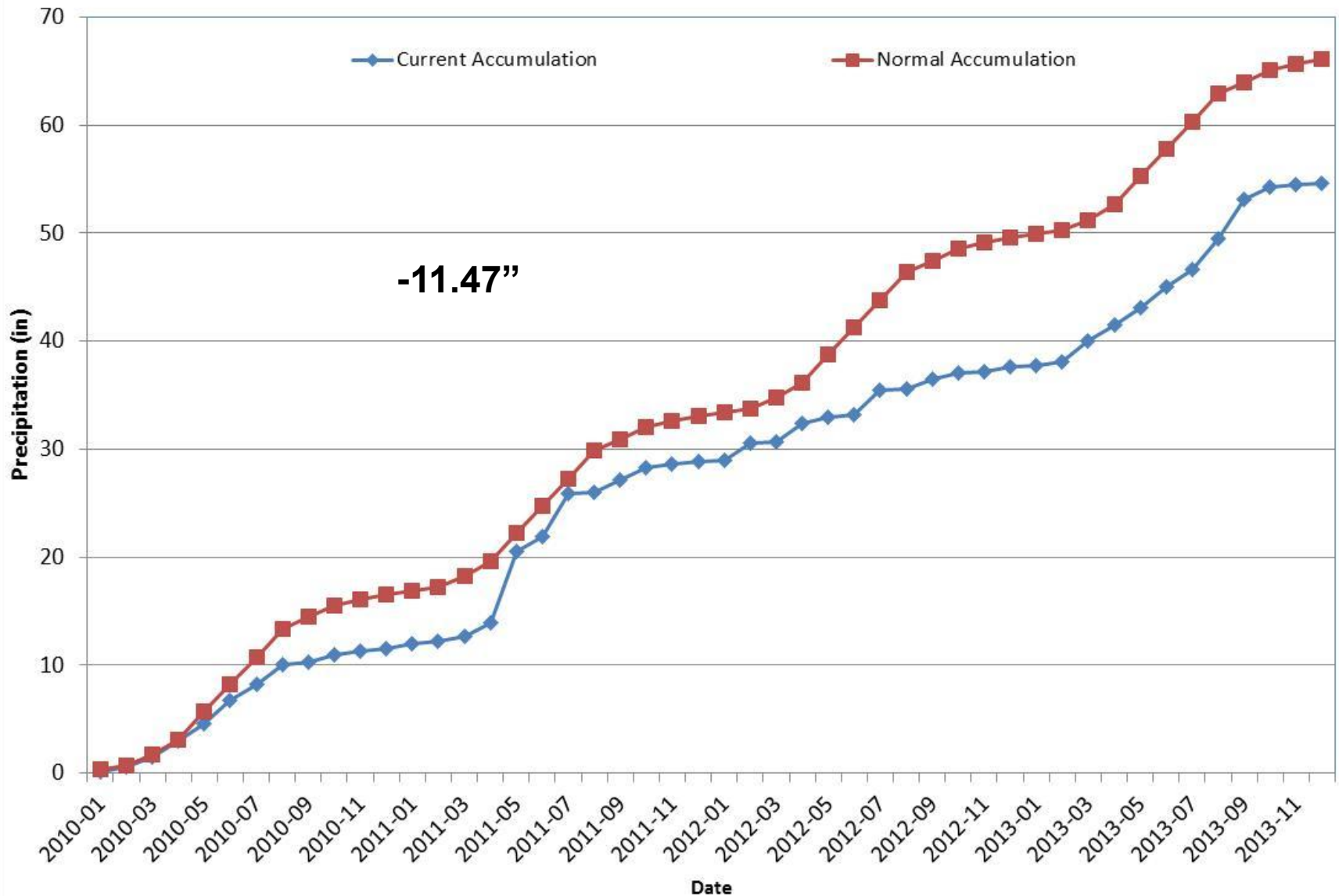
Division 7 – Akron

Akron 4E 2014 Water Year



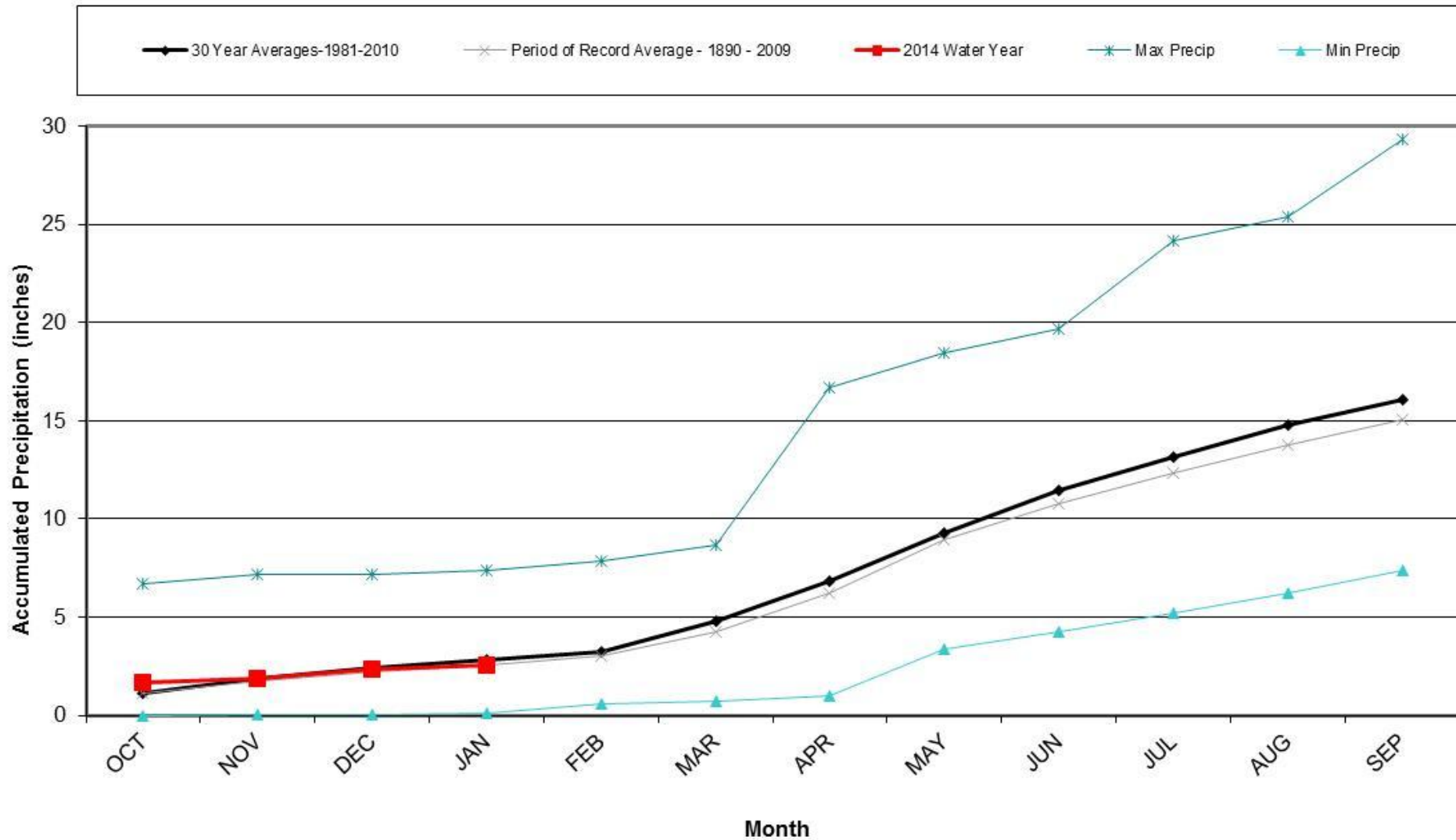
Division 7 – Akron

Akron 4E Precipitation Accumulation



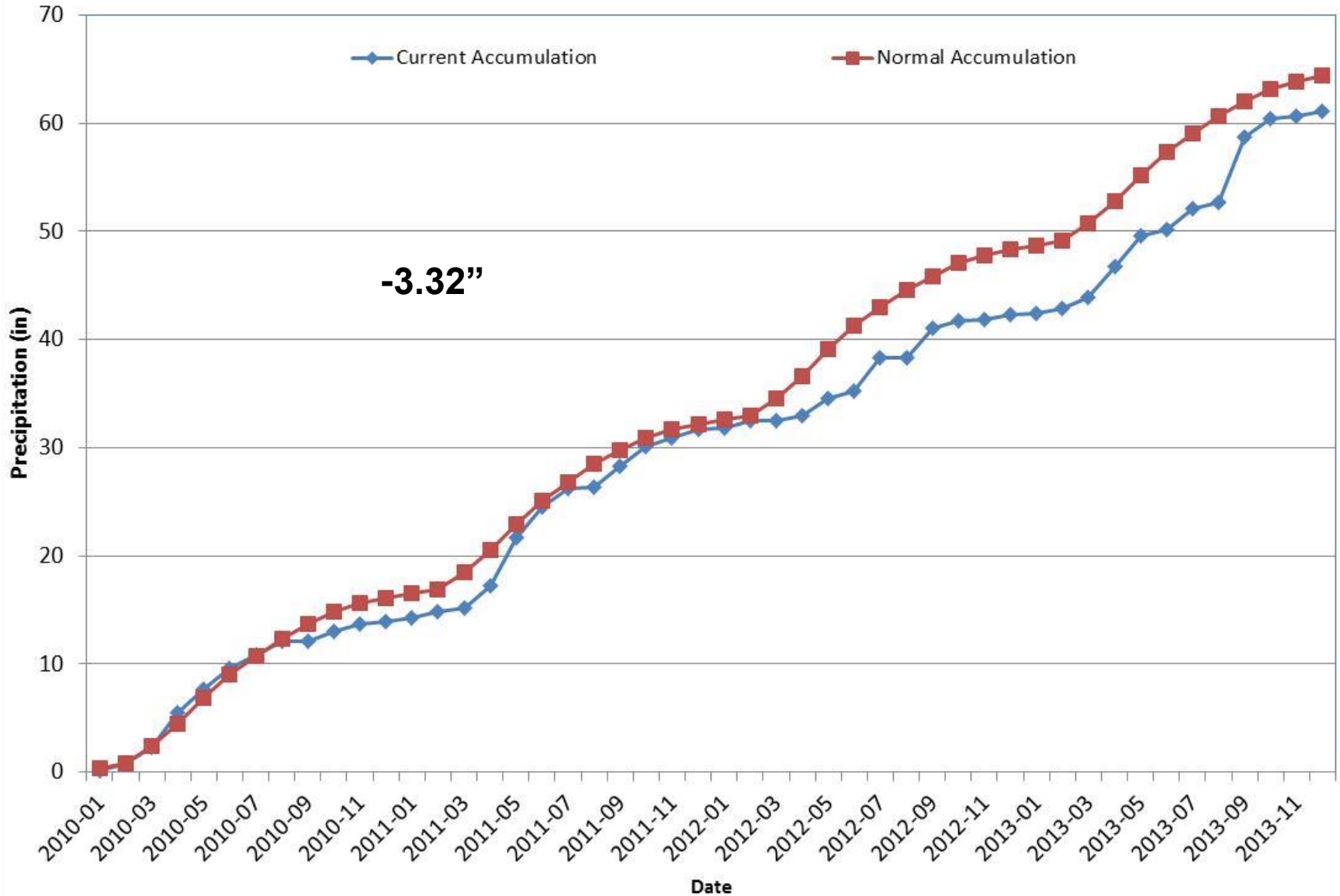
Division 8 – Fort Collins

Fort Collins 2014 Water Year



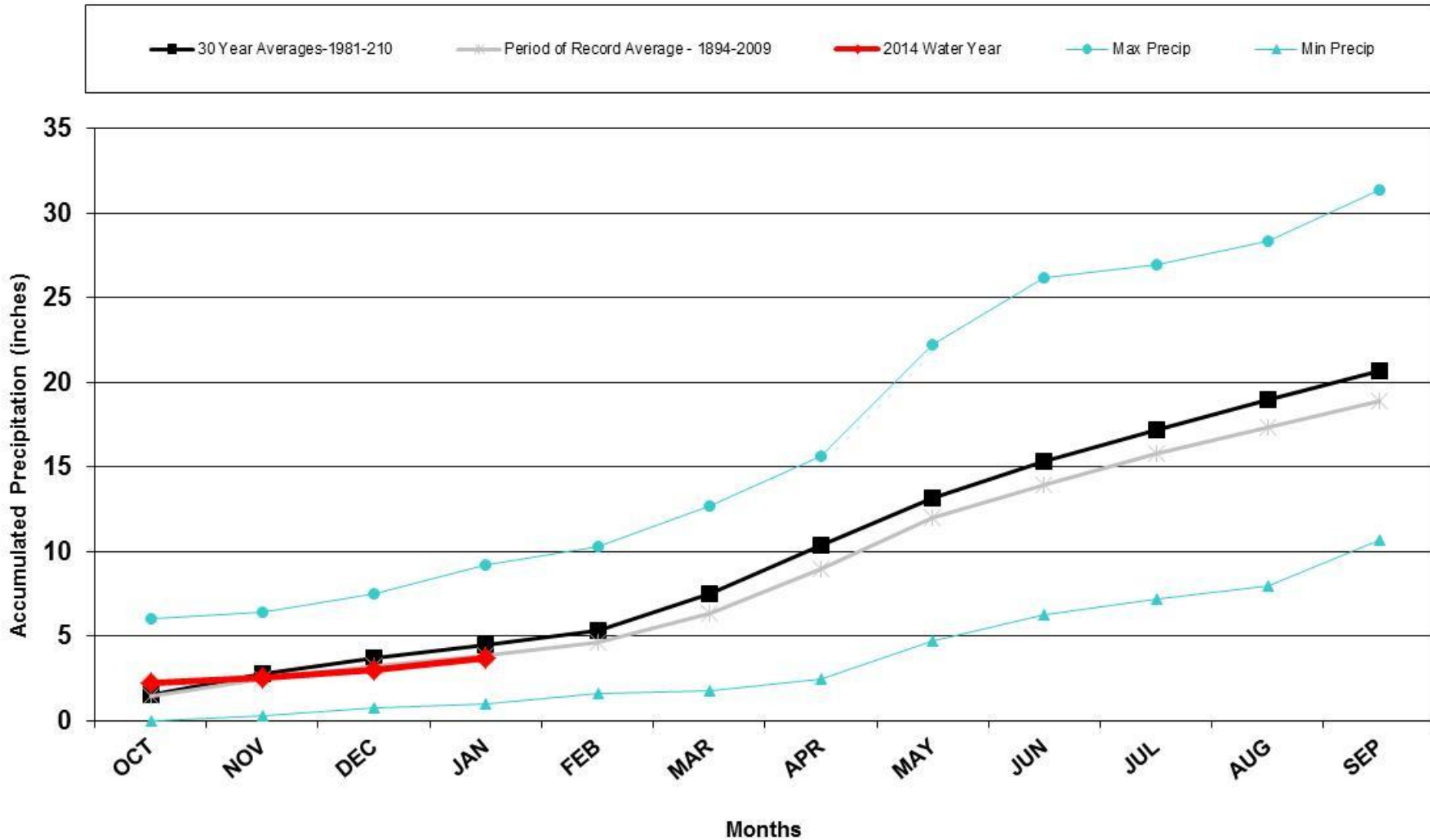
Division 8 – Fort Collins

Fort Collins Precipitation Accumulation



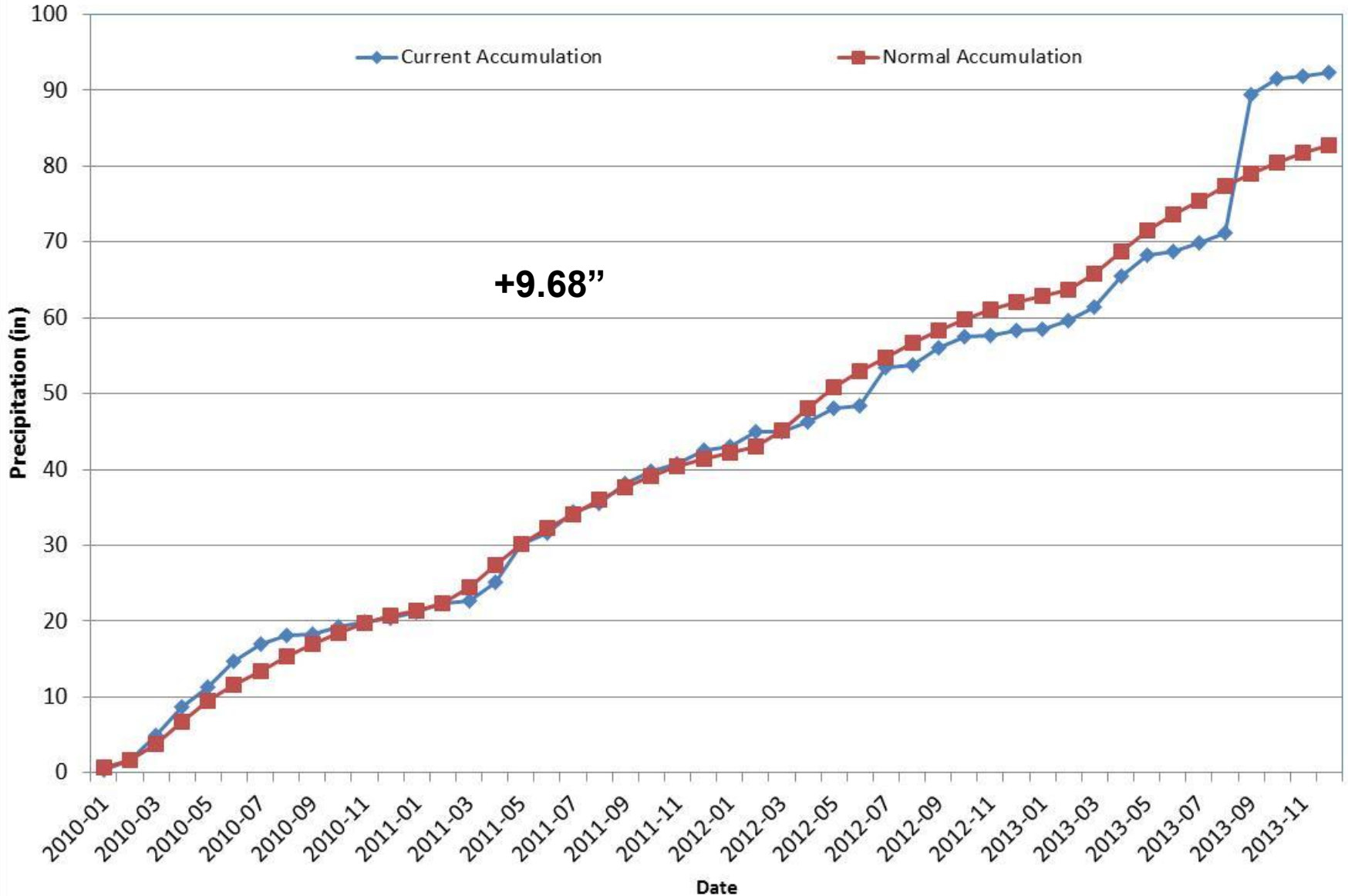
Division 8 - Boulder

Boulder 2014 Water Year



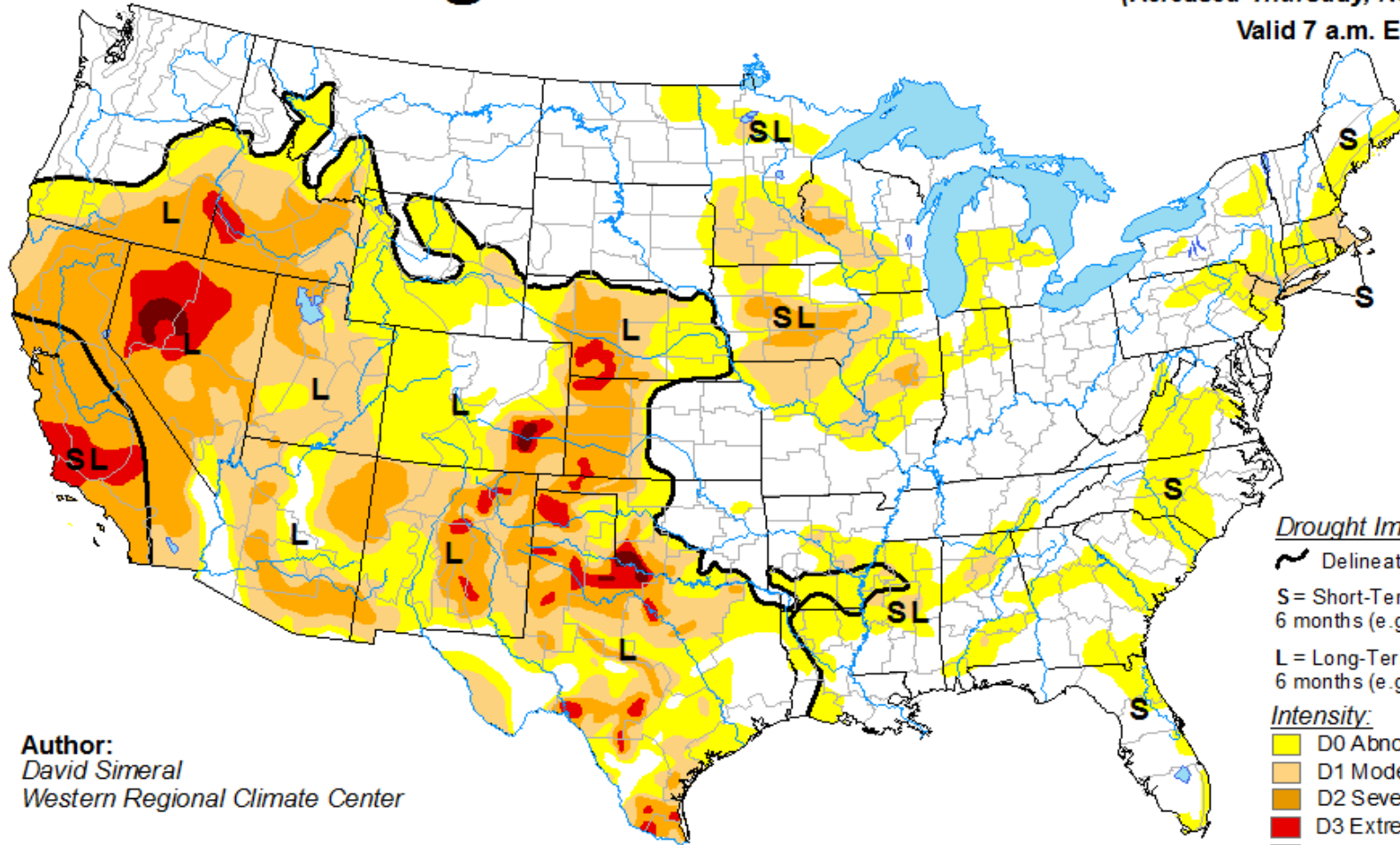
Division 8 - Boulder

Boulder Precipitation Accumulation



U.S. Drought Monitor

November 12, 2013
(Released Thursday, Nov. 14, 2013)
Valid 7 a.m. EST



Author:
David Simeral
Western Regional Climate Center

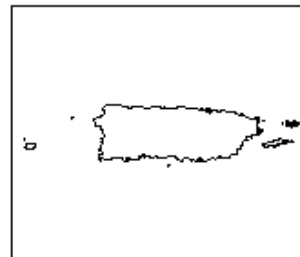
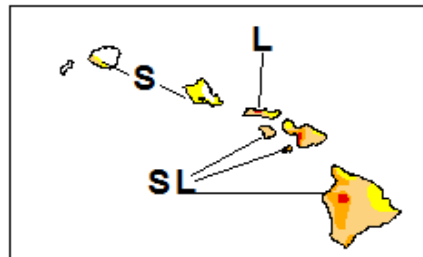
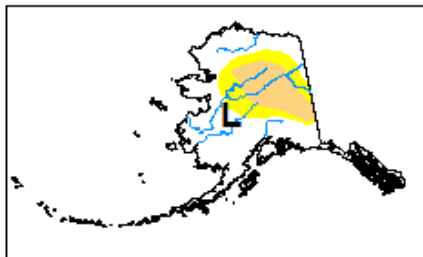
Drought Impact Types:

- ~ 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:

- 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.



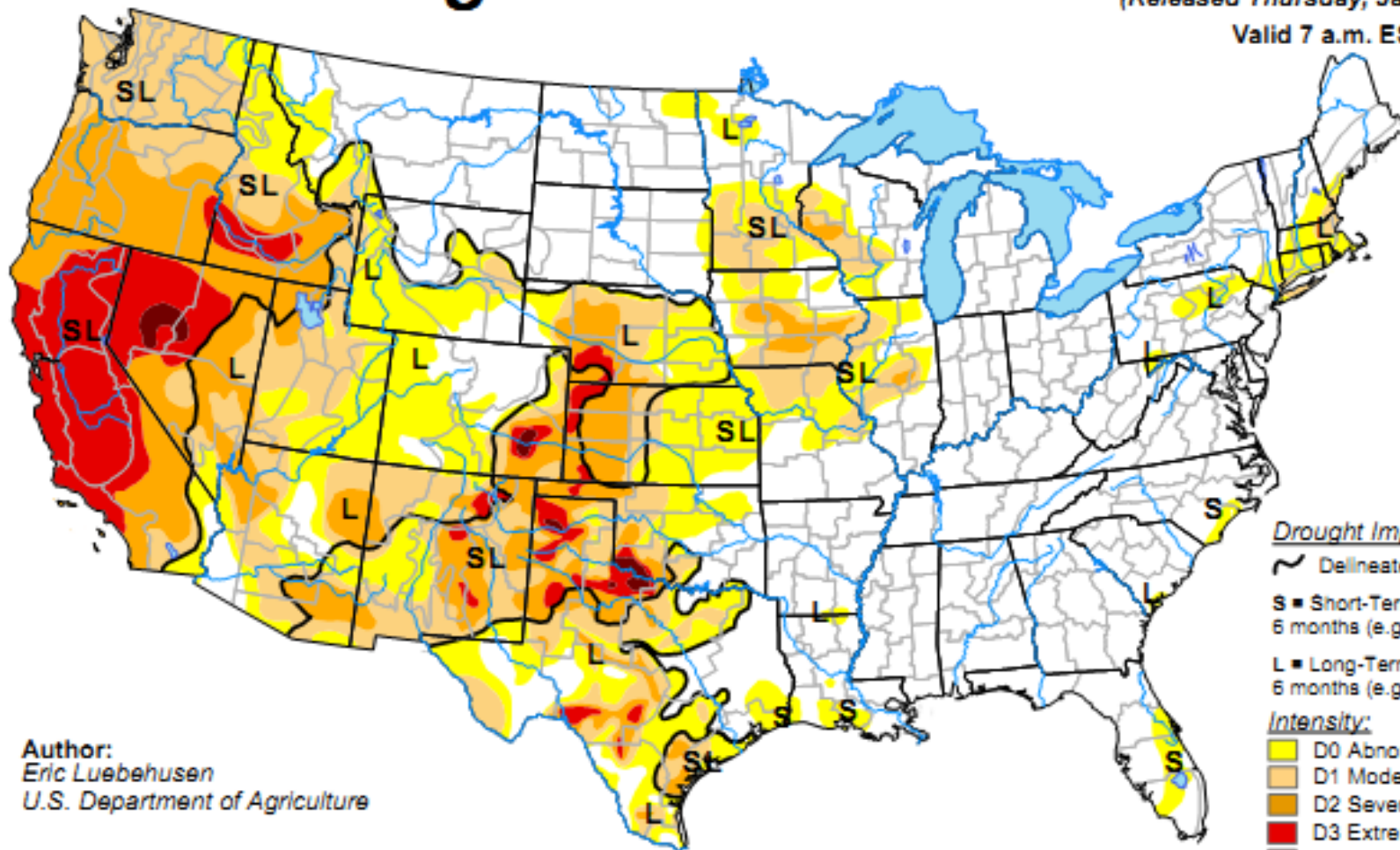
<http://droughtmonitor.unl.edu/>

U.S. Drought Monitor

January 14, 2014

(Released Thursday, Jan. 16, 2014)

Valid 7 a.m. EST



Author:
Eric Luebehusen
U.S. Department of Agriculture

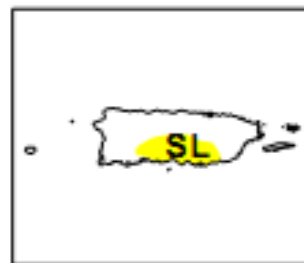
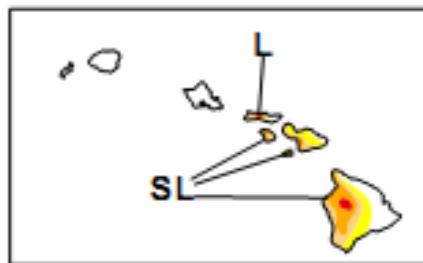
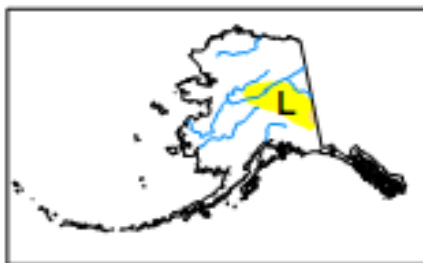
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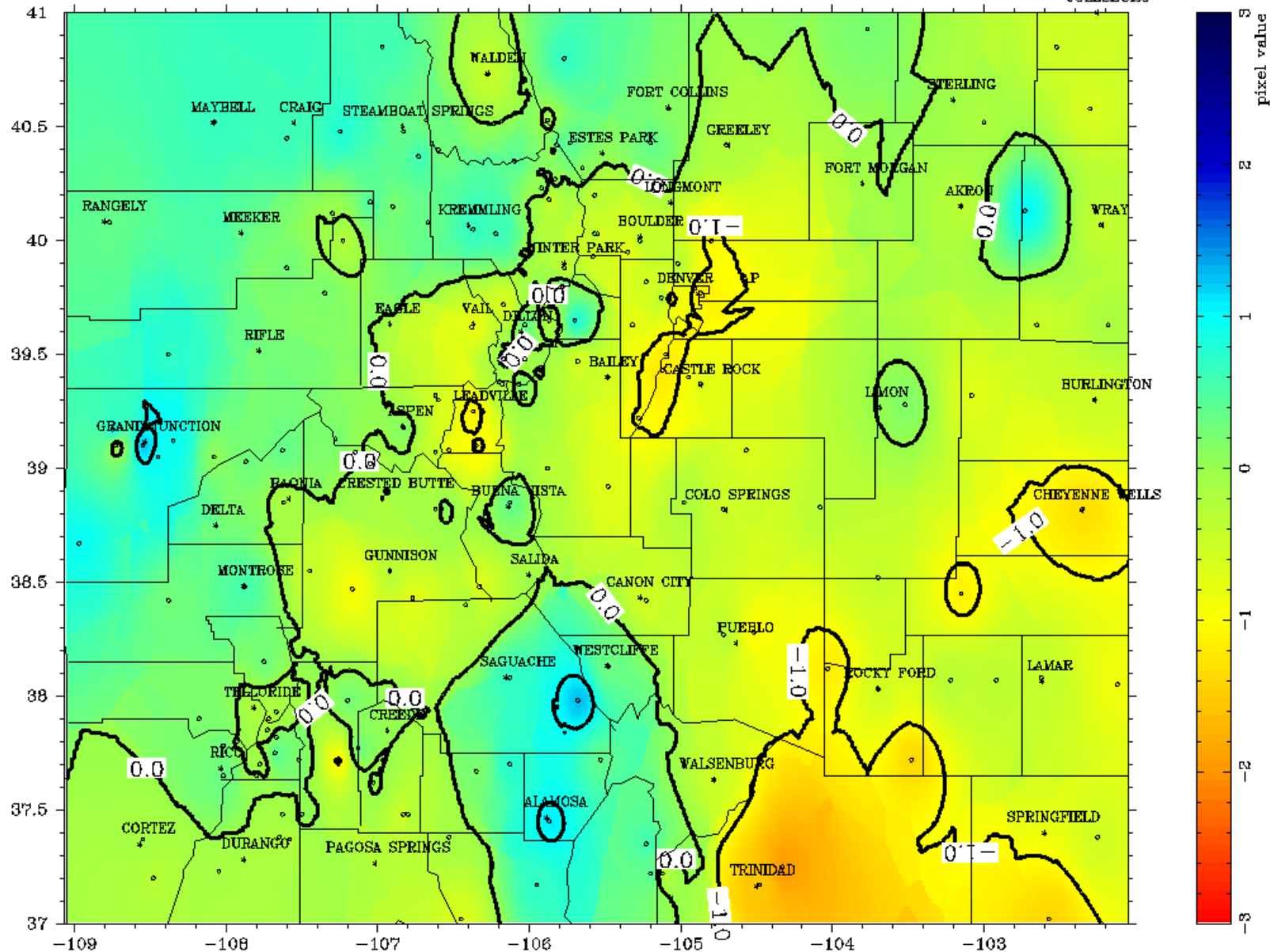


<http://droughtmonitor.unl.edu/>

Colorado

12/2013 3 mon. SPI

JULESBURG



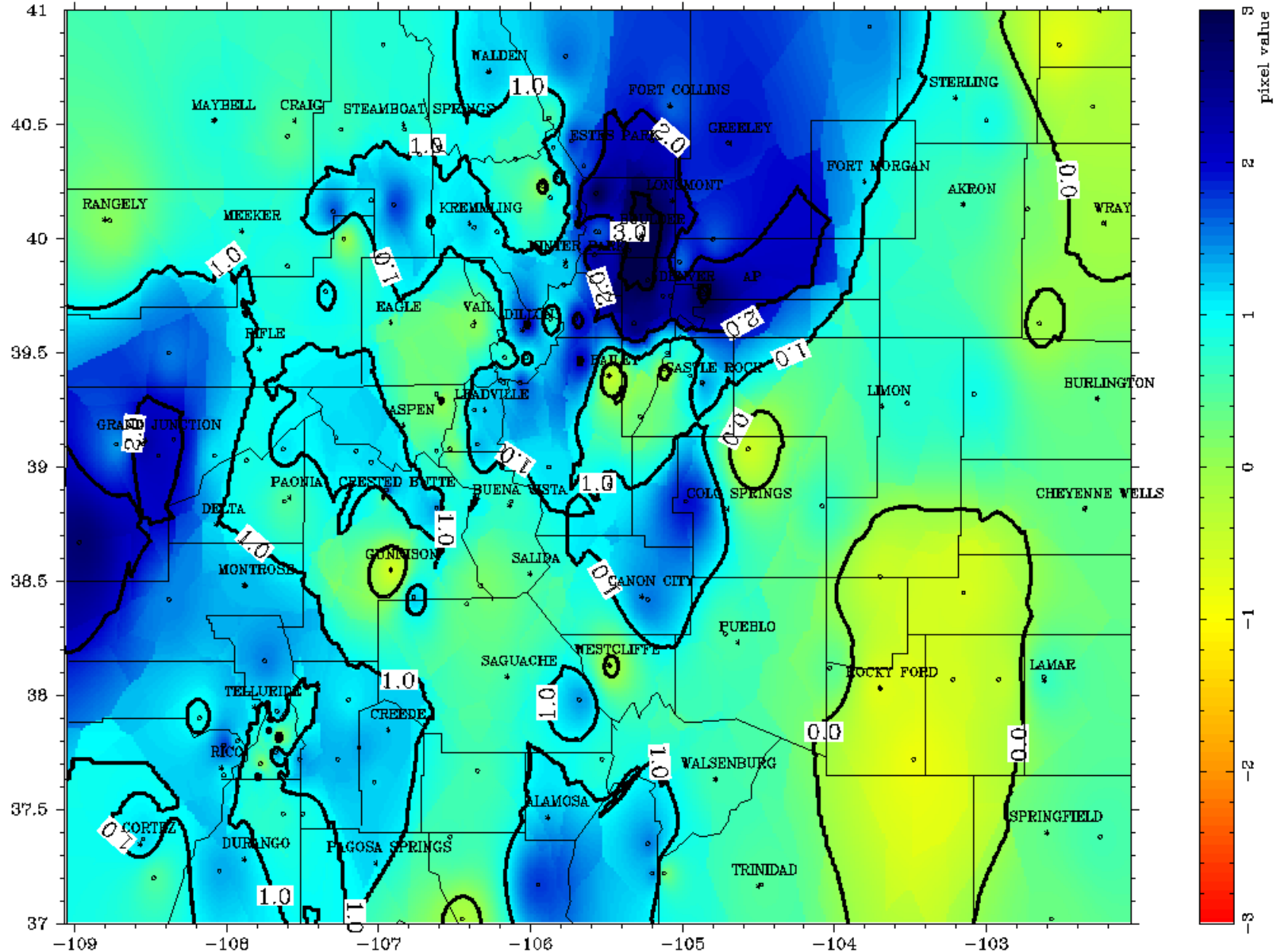
100 % < 2.0	7 % < -1.0
100 % < 1.0	0 % < -2.0
61 % < 0.0	0 % < -3.0

Produced by:
Colorado Climate Center
Fort Collins, CO

Colorado

12/2013 6 mon. SPI

JULESBURG



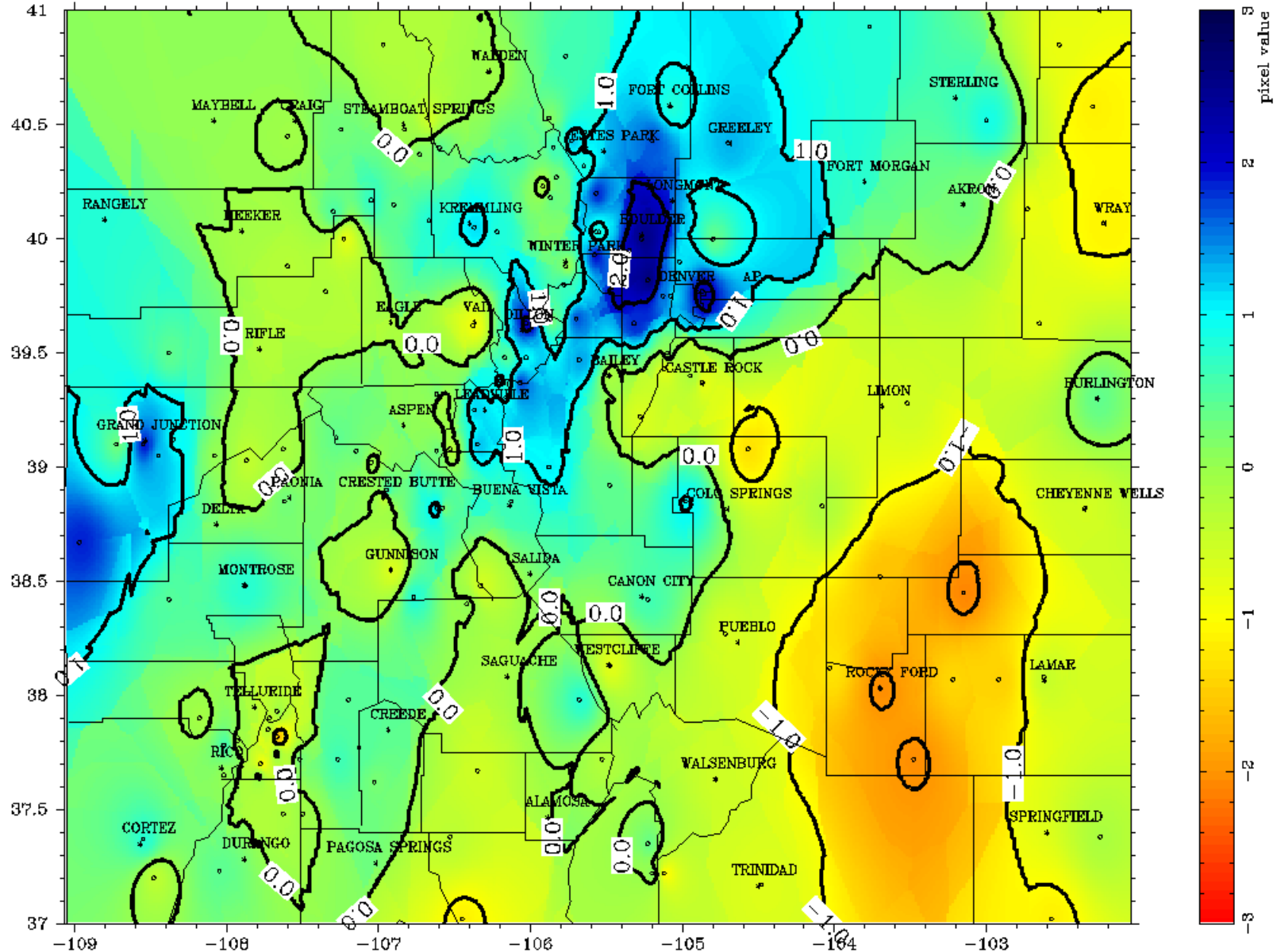
96 % < 2.0 0 % < -1.0
 64 % < 1.0 0 % < -2.0
 11 % < 0.0 0 % < -3.0

Produced by:
 Colorado Climate Center
 Fort Collins, CO

Colorado

12/2013 12 mon. SPI

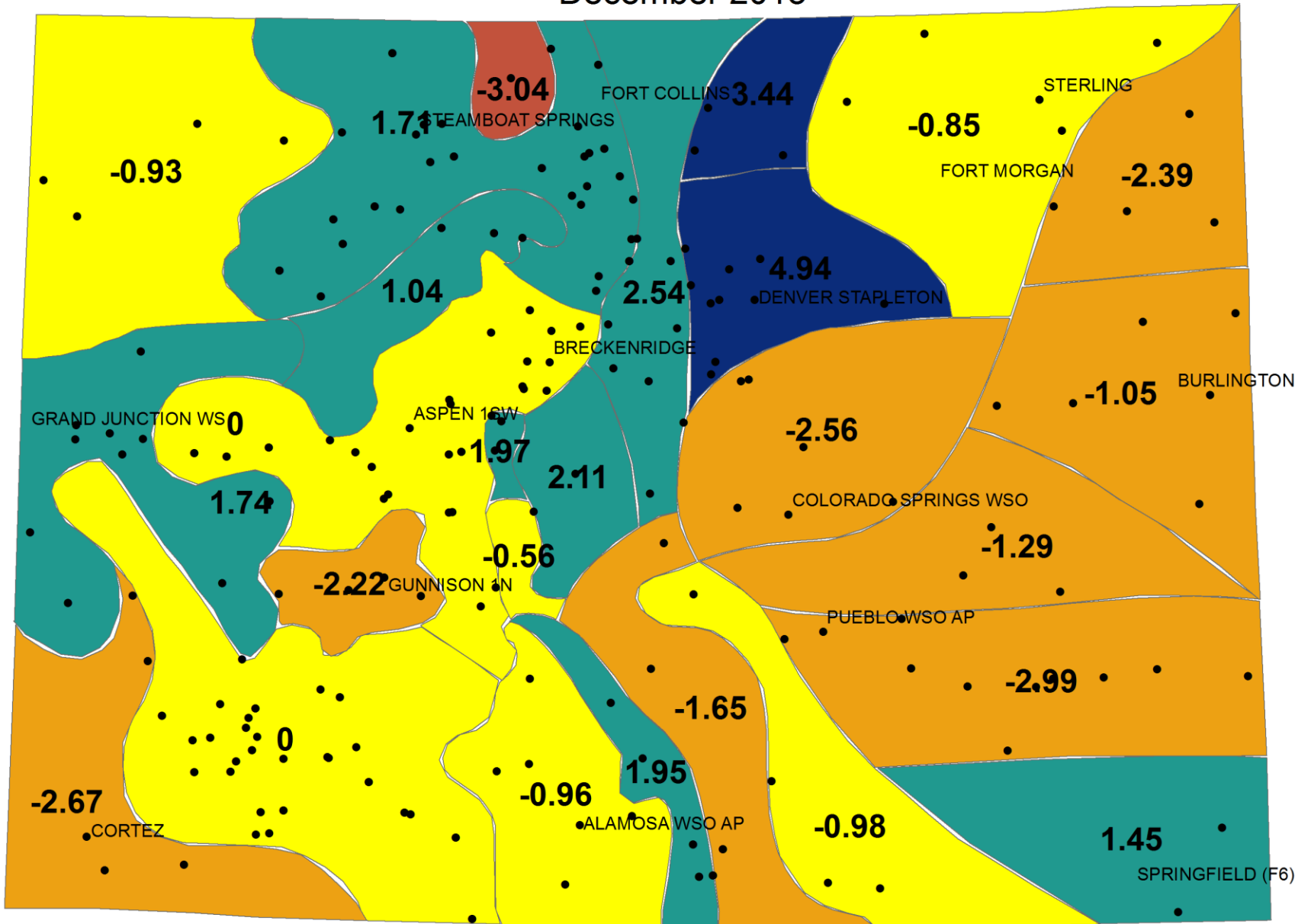
JULESBURG



99 % < 2.0	11 % < -1.0
91 % < 1.0	0 % < -2.0
48 % < 0.0	0 % < -3.0

Produced by:
Colorado Climate Center
Fort Collins, CO

Modified Palmer Drought Severity Index for Colorado December 2013



Colorado Climate Center

Data and Power Point Presentations available for downloading

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

