

Climate Update



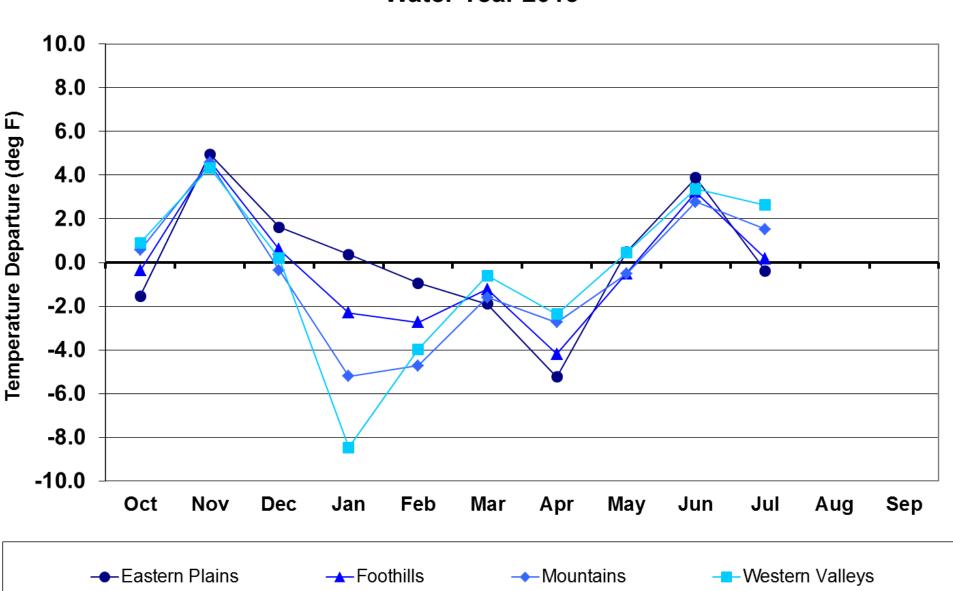
Nolan Doesken Colorado Climate Center

Colorado State Climatologist Colorado State University

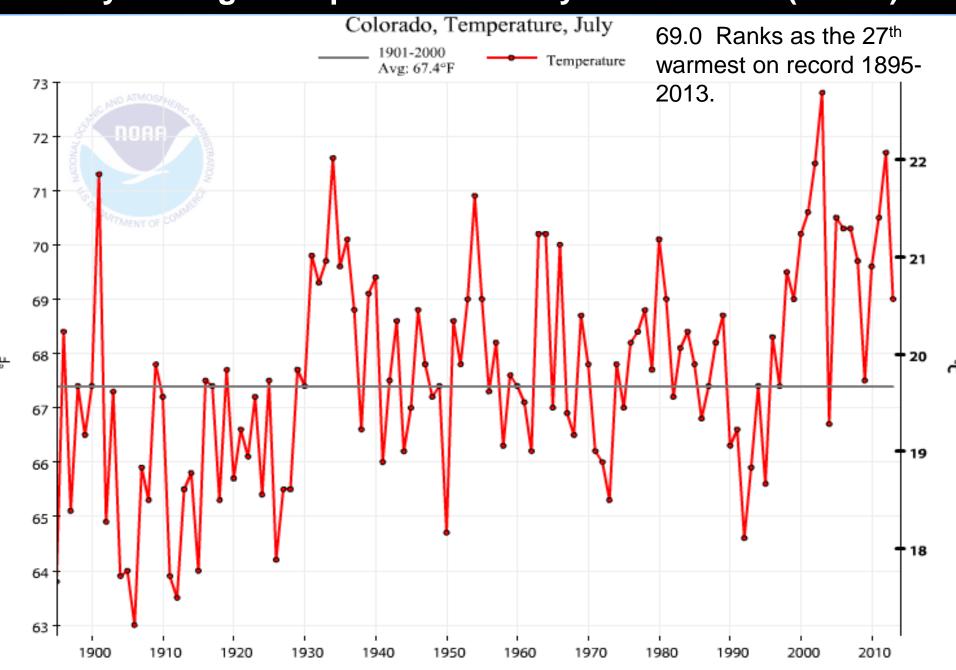
Presented to Water Availability Task Force 20 August 2013 Denver, CO

Water Year 2013 Temperature Departures

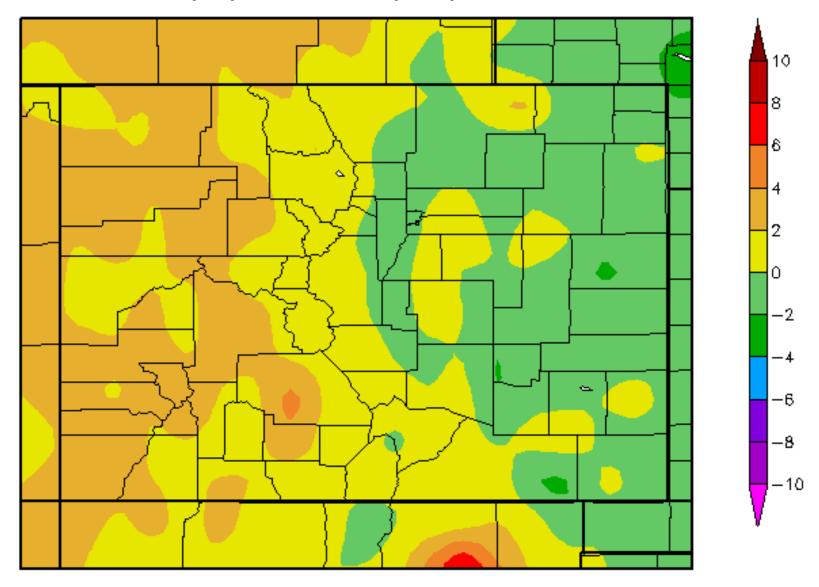




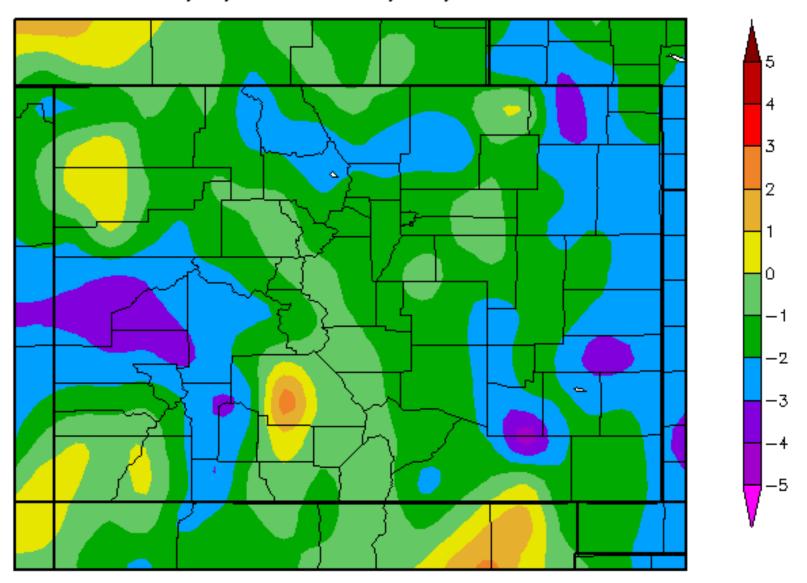
July Average Temperature History for Colorado (NCDC)



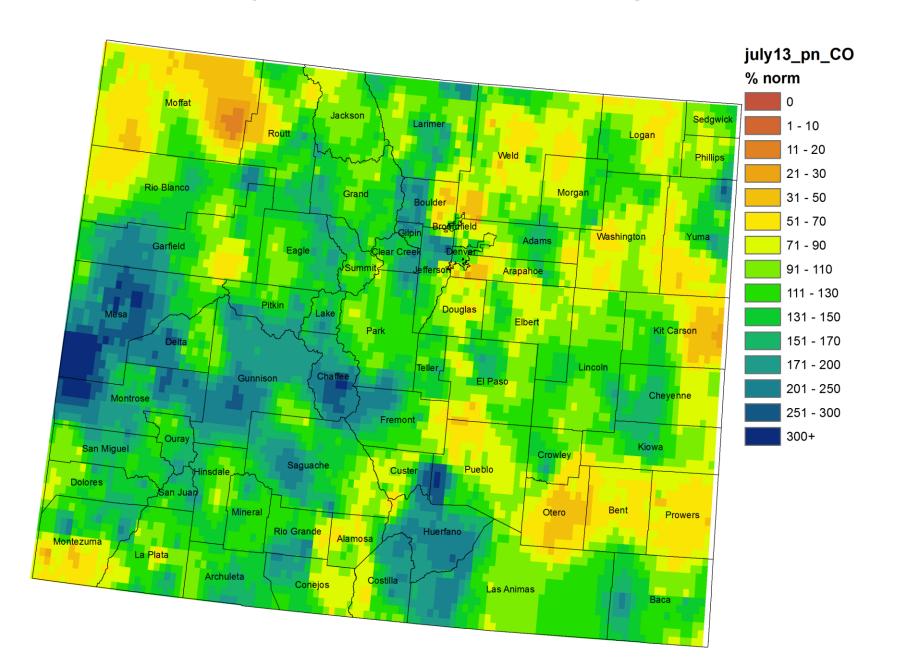
Departure from Normal Temperature (F) 7/1/2013 - 7/31/2013



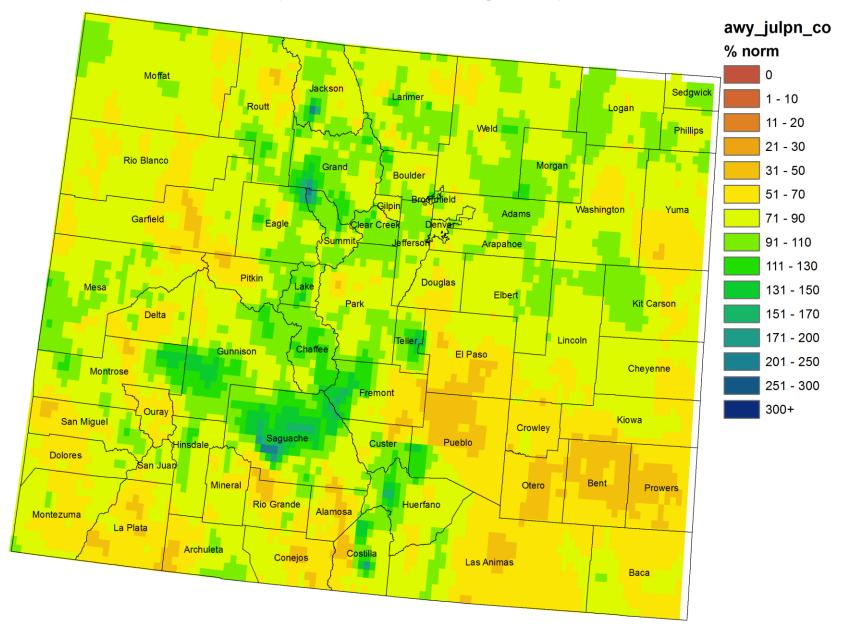
Departure from Normal Temperature (F) 8/1/2013 - 8/18/2013



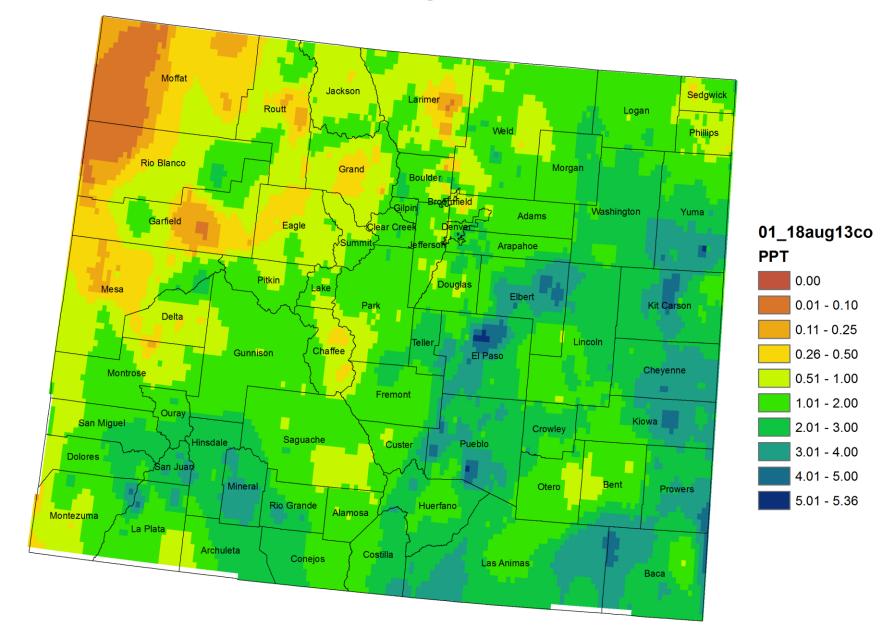
Colorado July 2013 Precipitation as a Percentage of Normal



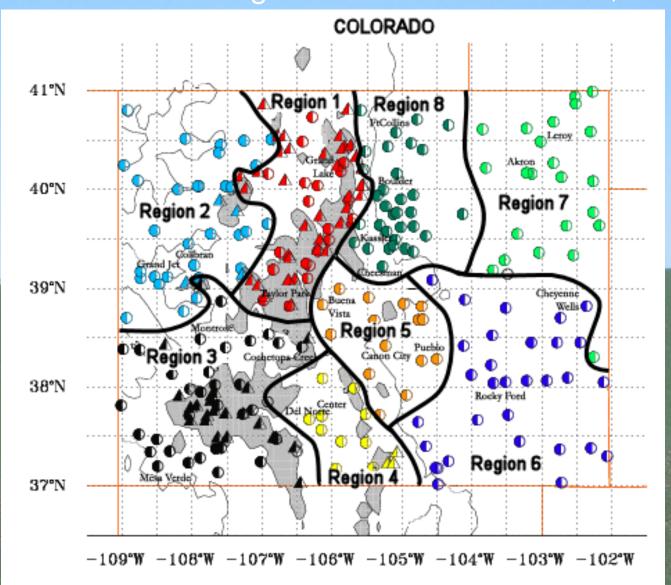
Colorado Water Year 2013 Precipitation as a Percentage of Normal (October 2012 - July 2013)



Colorado Month to Date Precipitation (in) 1 - 18 August 2013

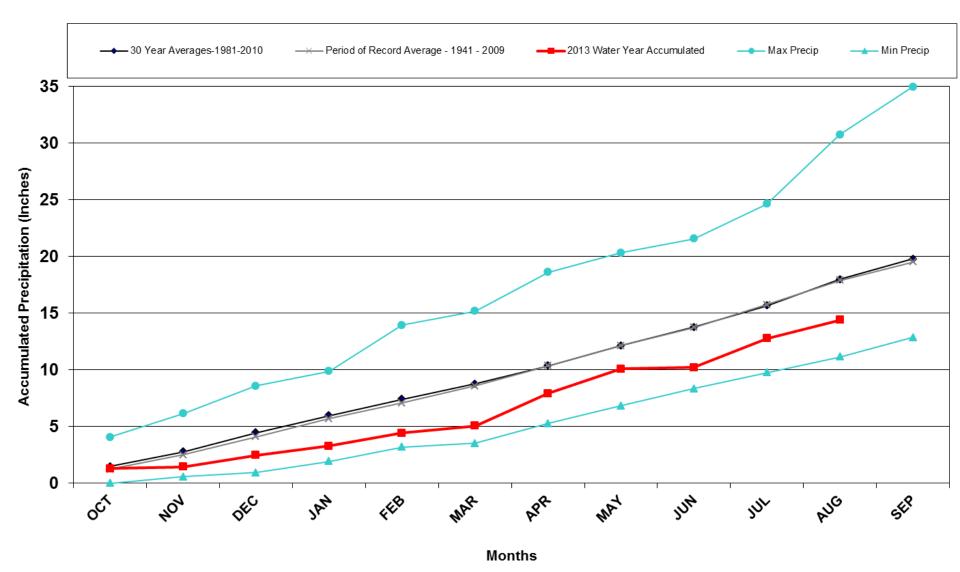


Climate divisions defined by Dr. Klaus Wolter of NOAA's Climate Diagnostic Center in Boulder, CO

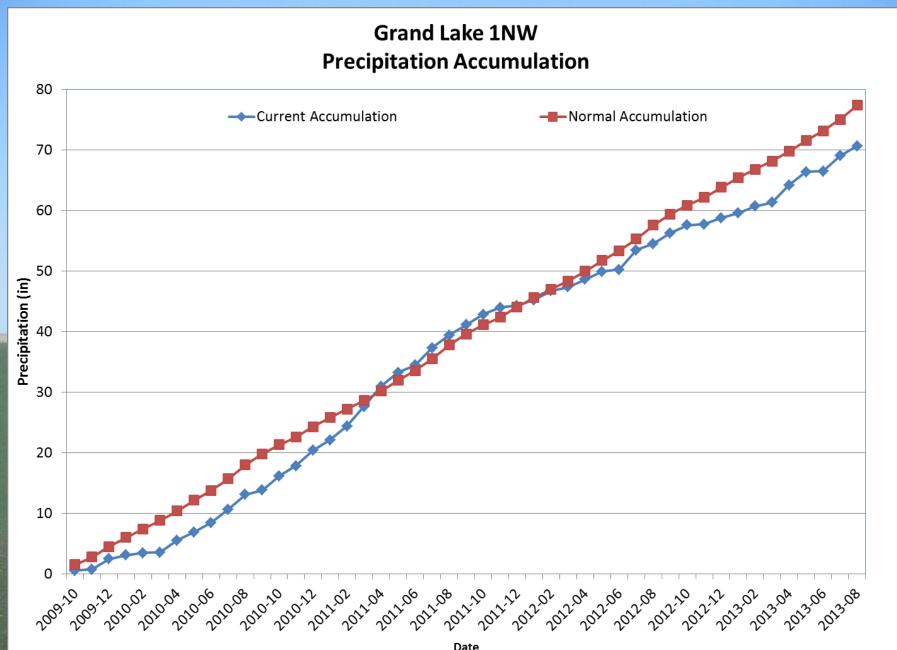


Division 1 – Grand Lake 1NW

Grand Lake 1 NW 2013 Water Year

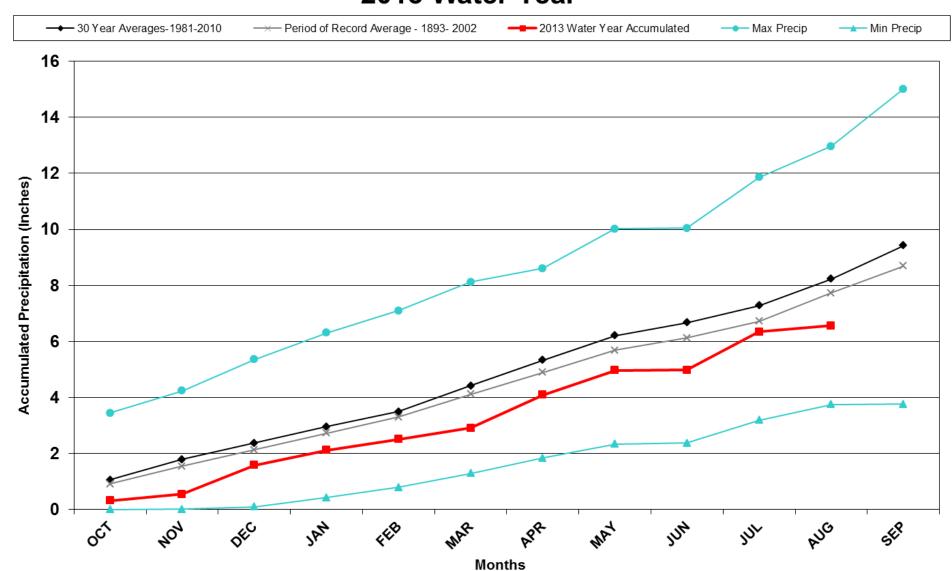


Division 1 – Grand Lake 1NW



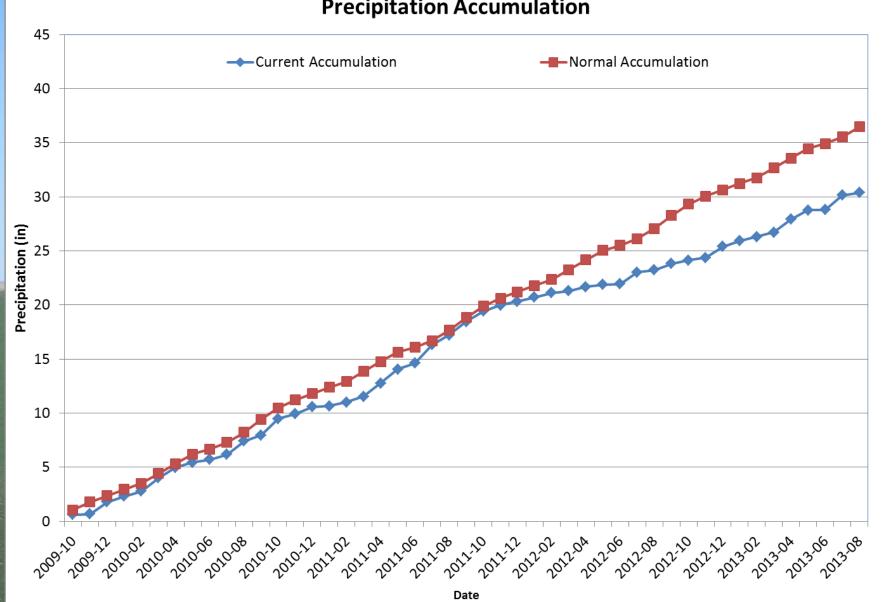
Division 2 – Grand Junction

Grand Junction WSFO 2013 Water Year



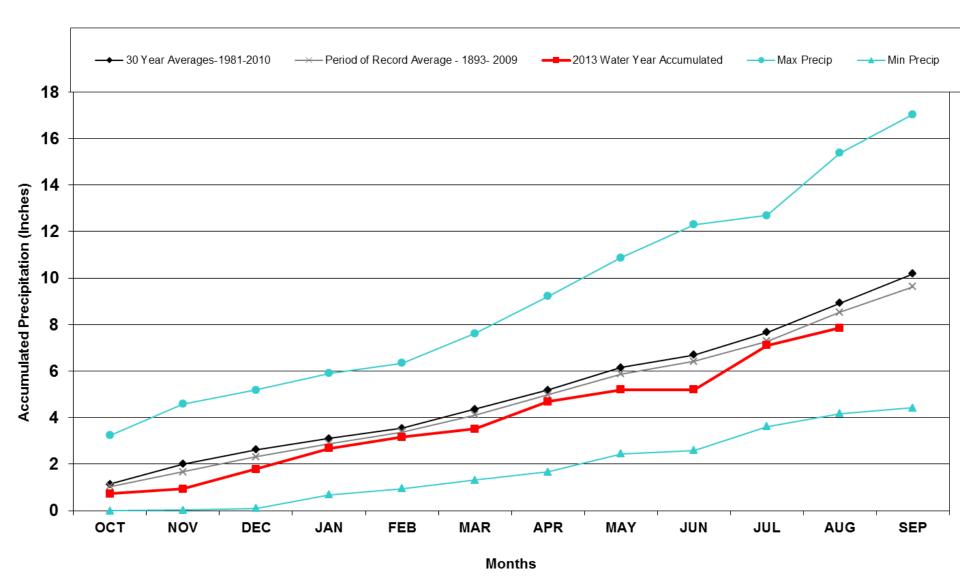
Division 2 – Grand Junction



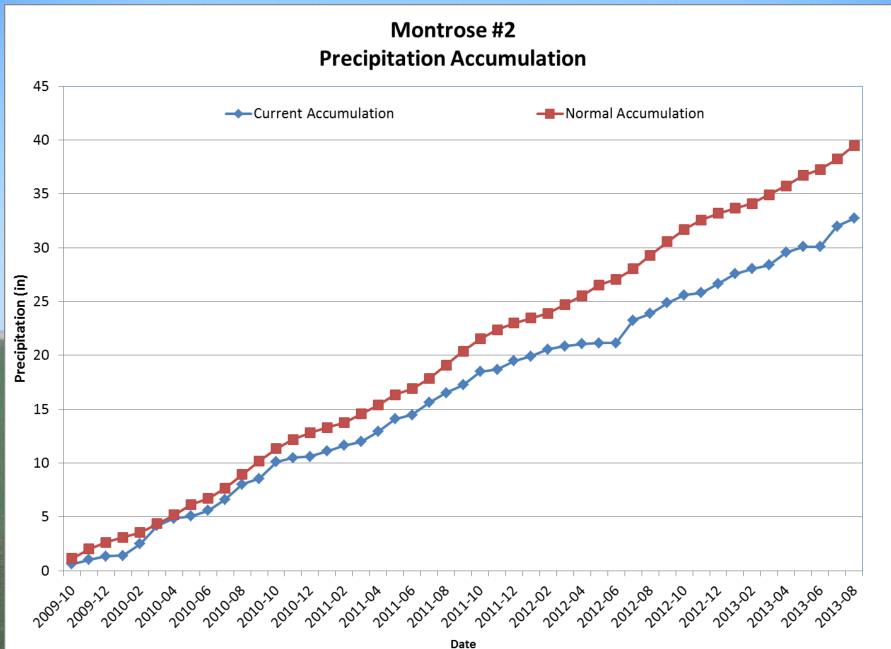


Division 3 – Montrose

Montrose #2 2013 Water Year



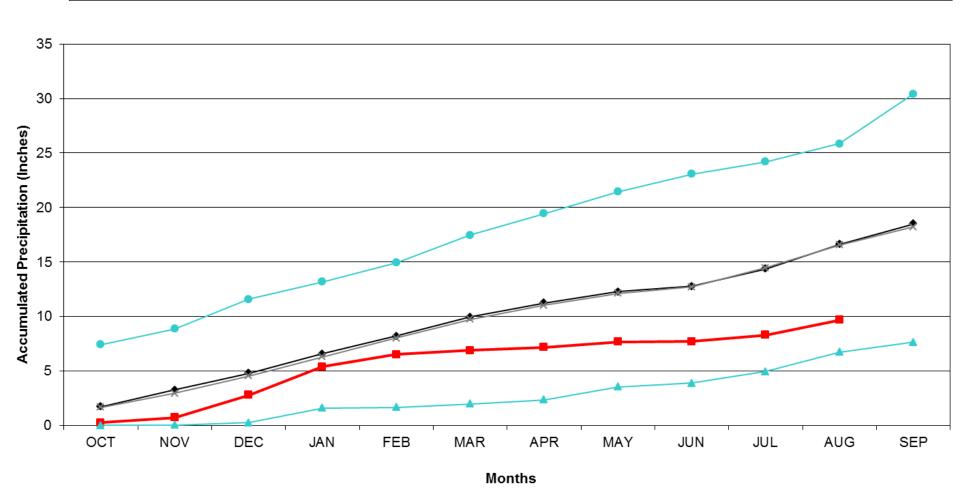
Division 3 – Montrose



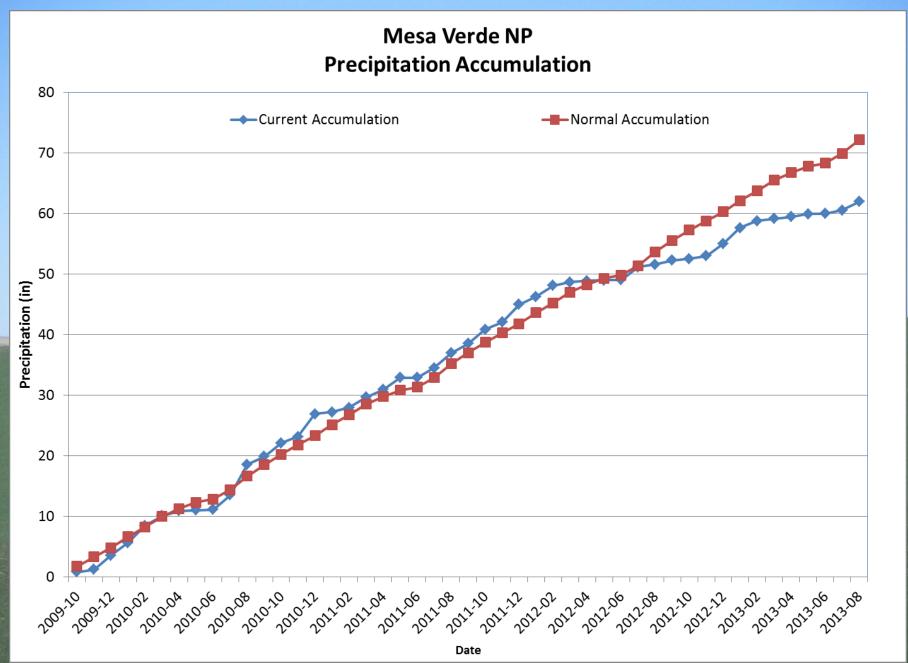
Division 3 – Mesa Verde NP

Mesa Verde NP 2013 Water Year



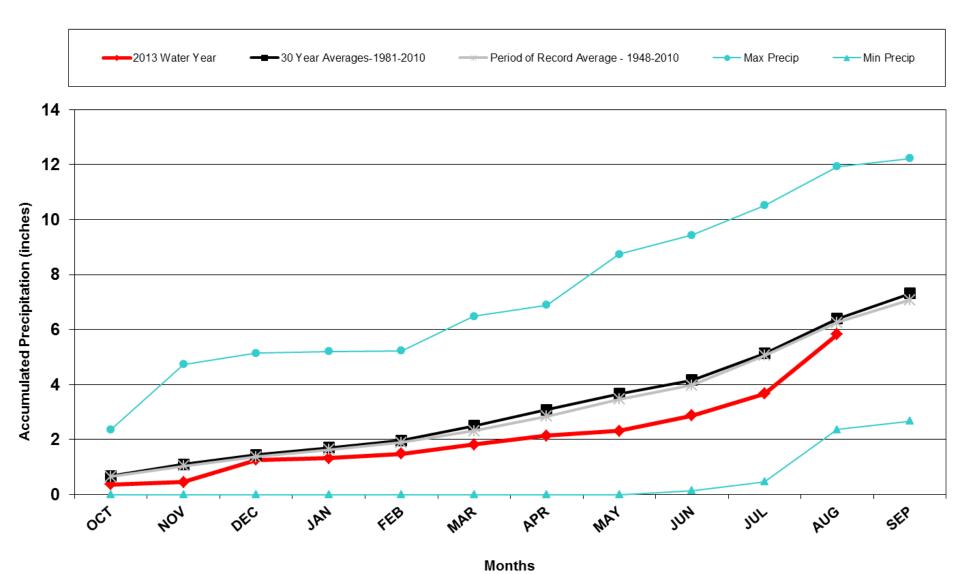


Division 3 – Mesa Verde NP

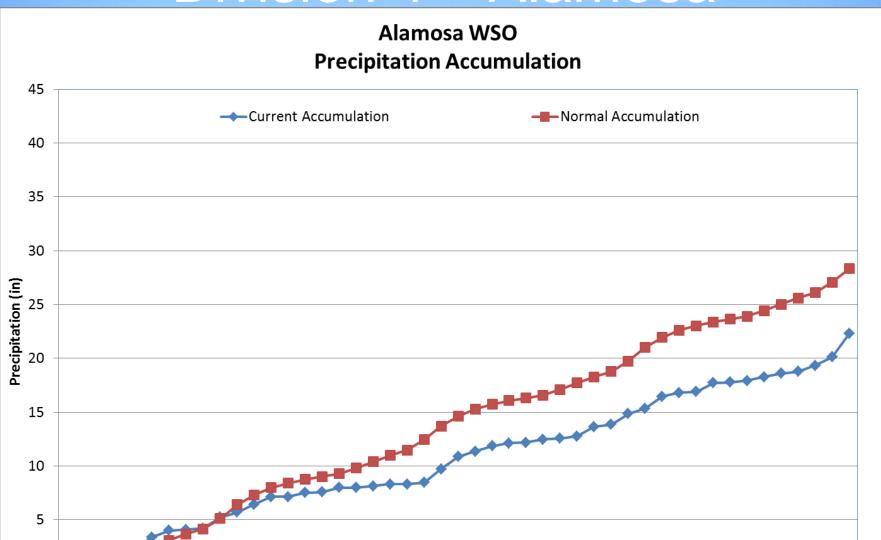


Division 4 – Alamosa

Alamosa WSO 2013 Water Year

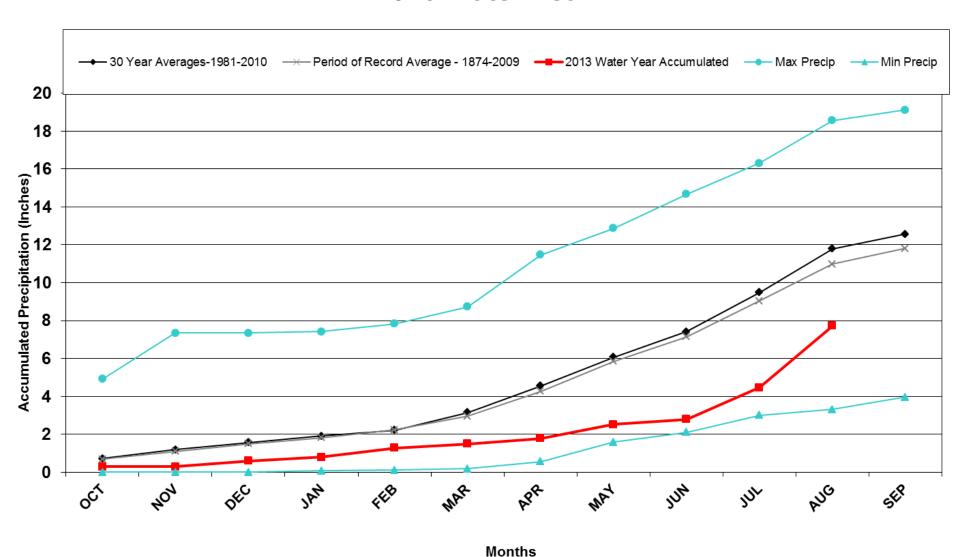


Division 4 – Alamosa

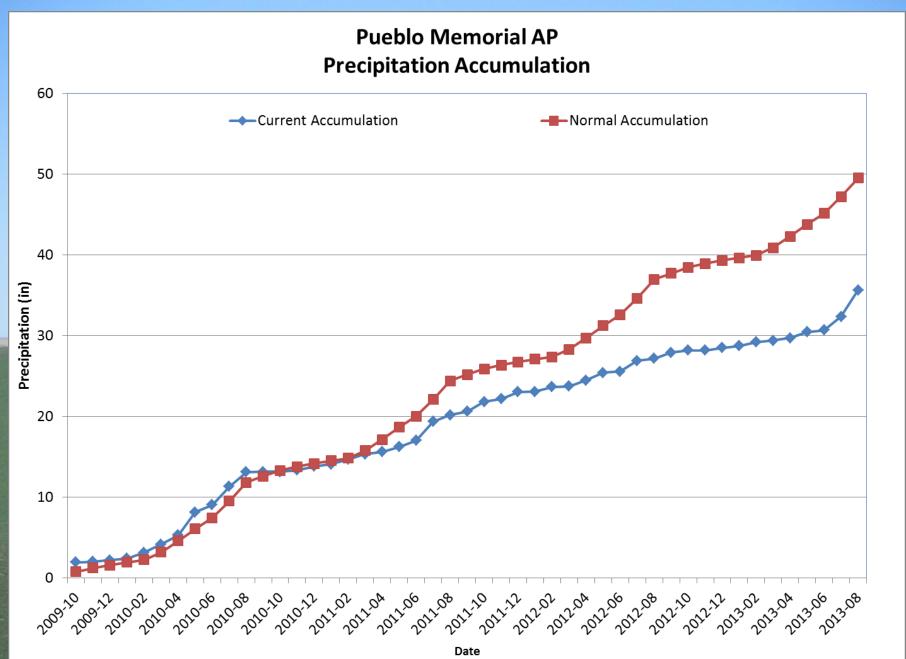


Division 5 – Pueblo

Pueblo WSO 2013 Water Year

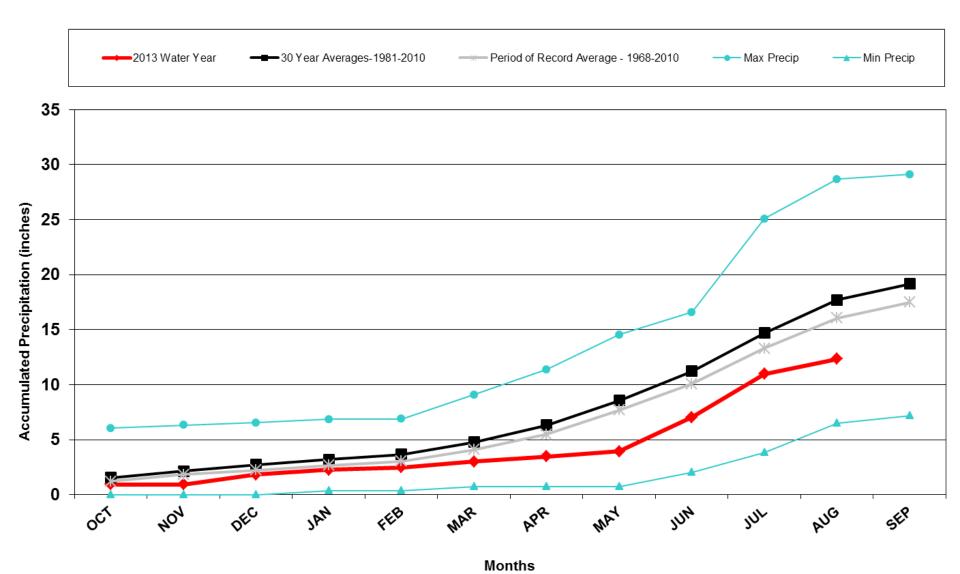


Division 5 – Pueblo

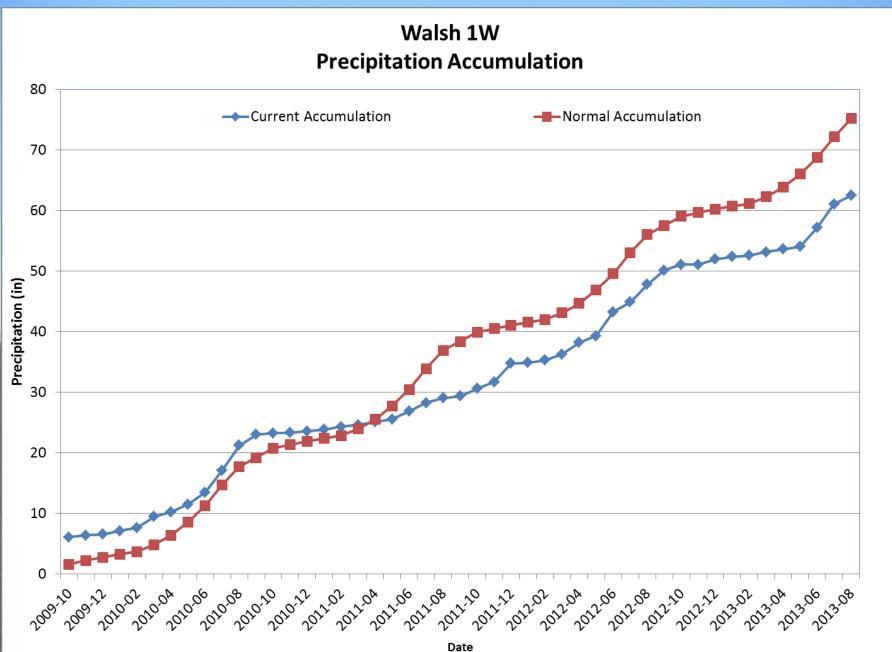


Division 6 - Walsh

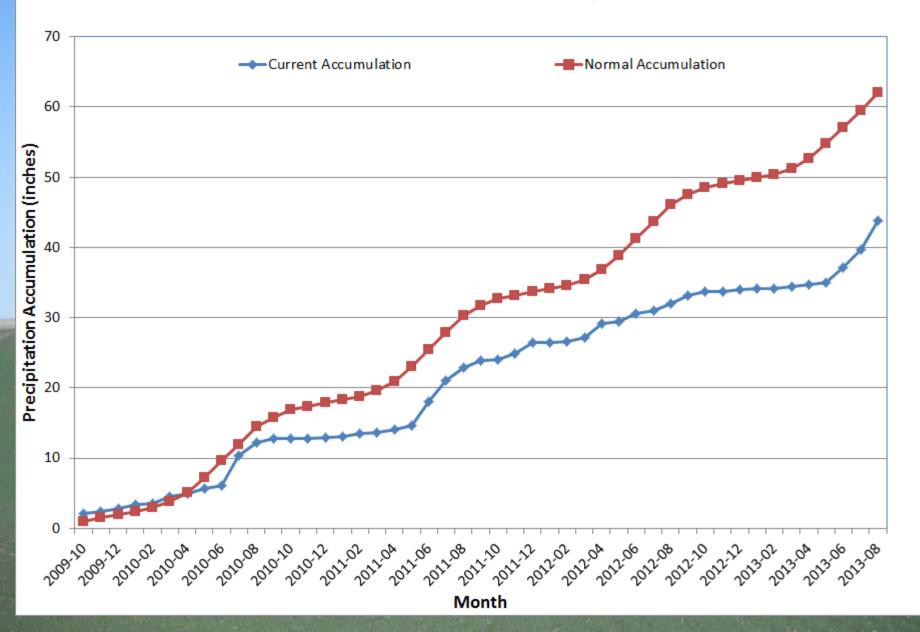
Walsh 2013 Water Year



Division 6 - Walsh

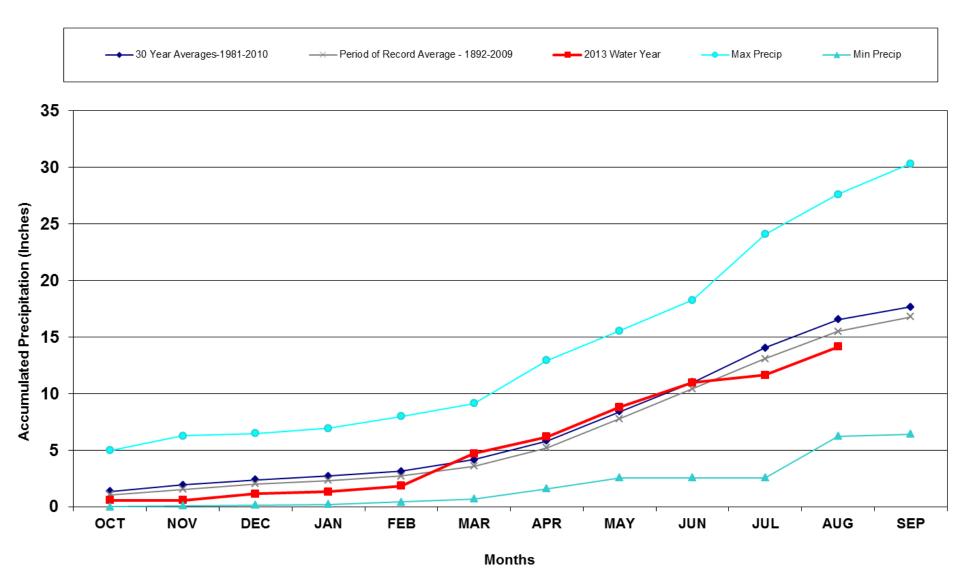


Lamar Accumulated Preciptation

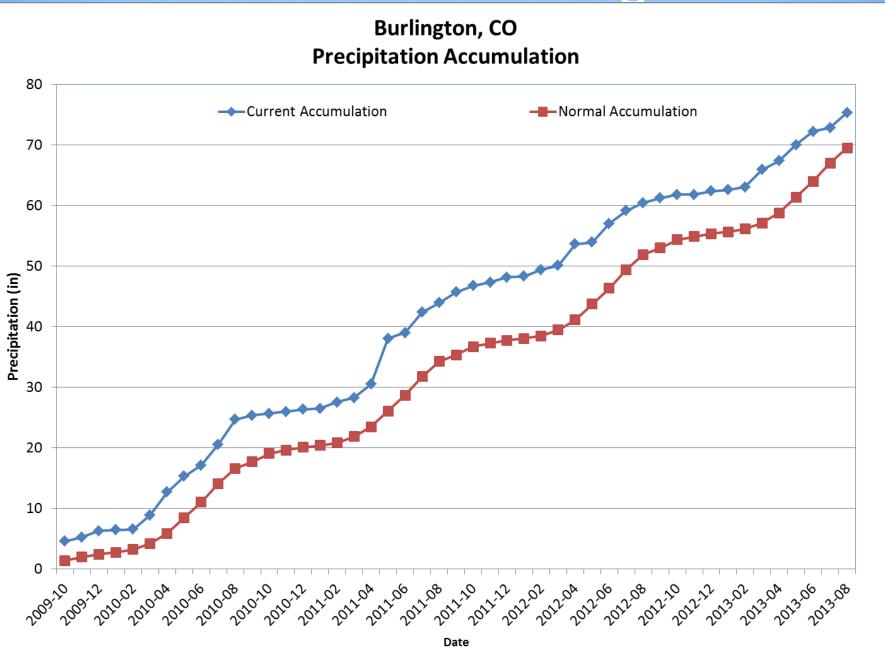


Division 6 - Burlington

Burlington 2013 Water Year

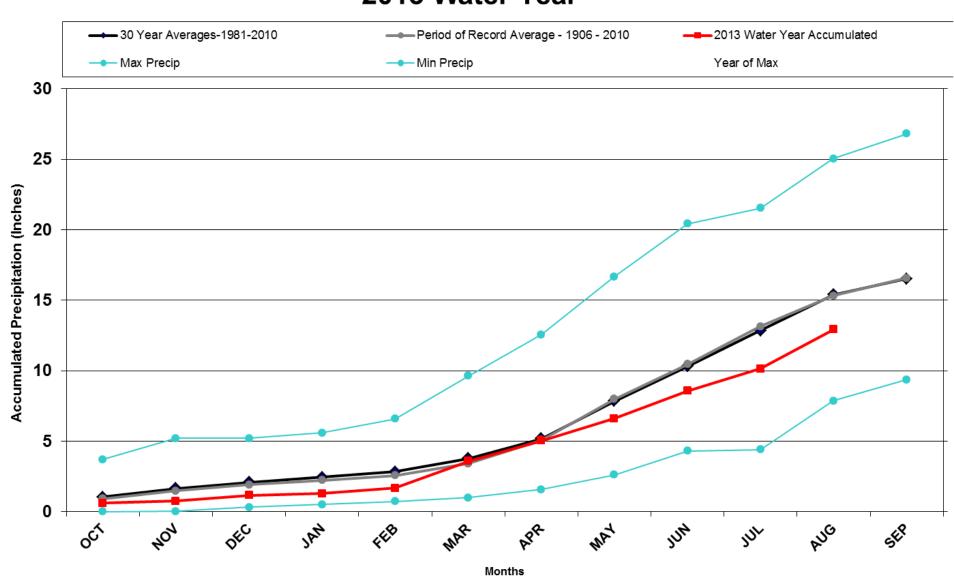


Division 6 - Burlington

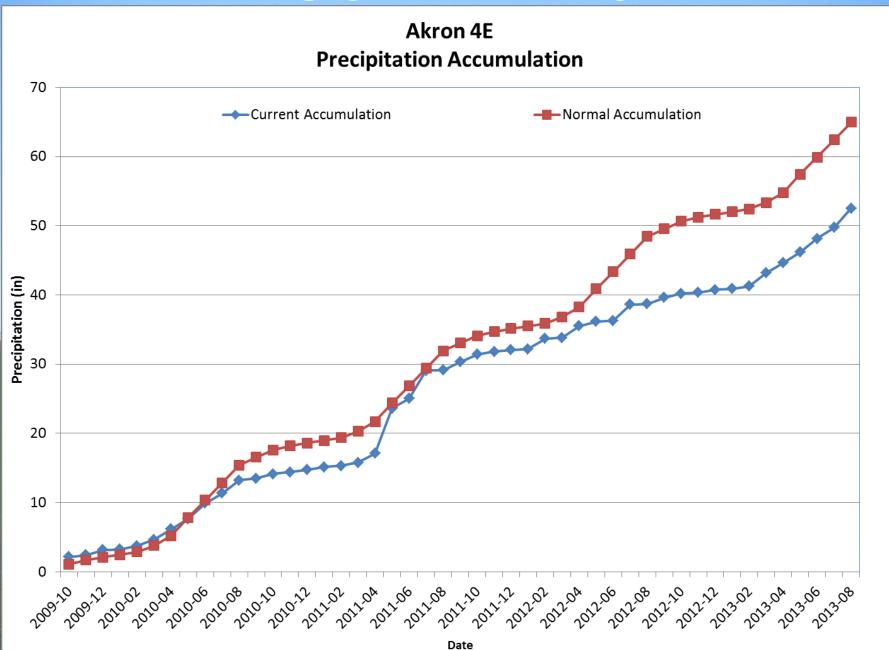


Division 7 – Akron

Akron 4E 2013 Water Year

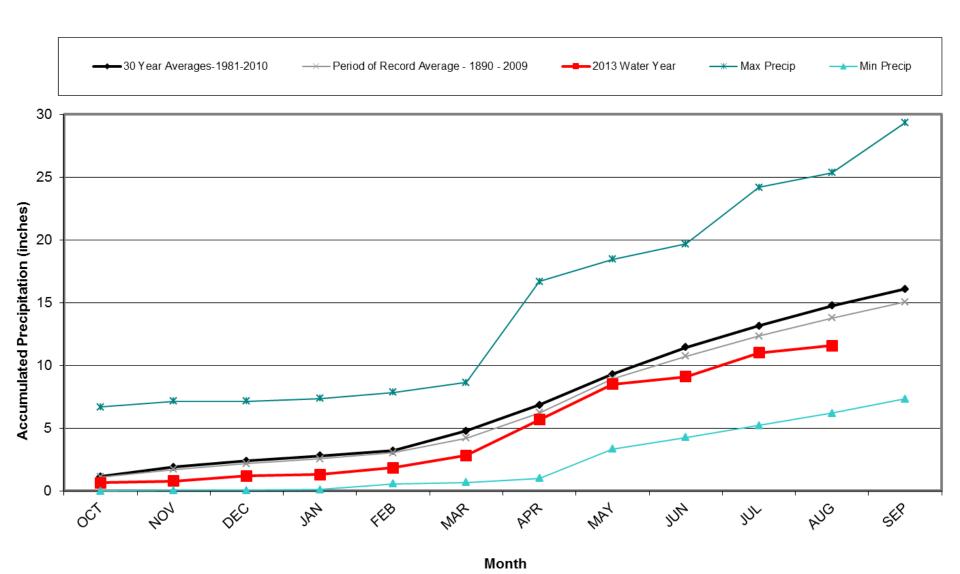


Division 7 – Akron

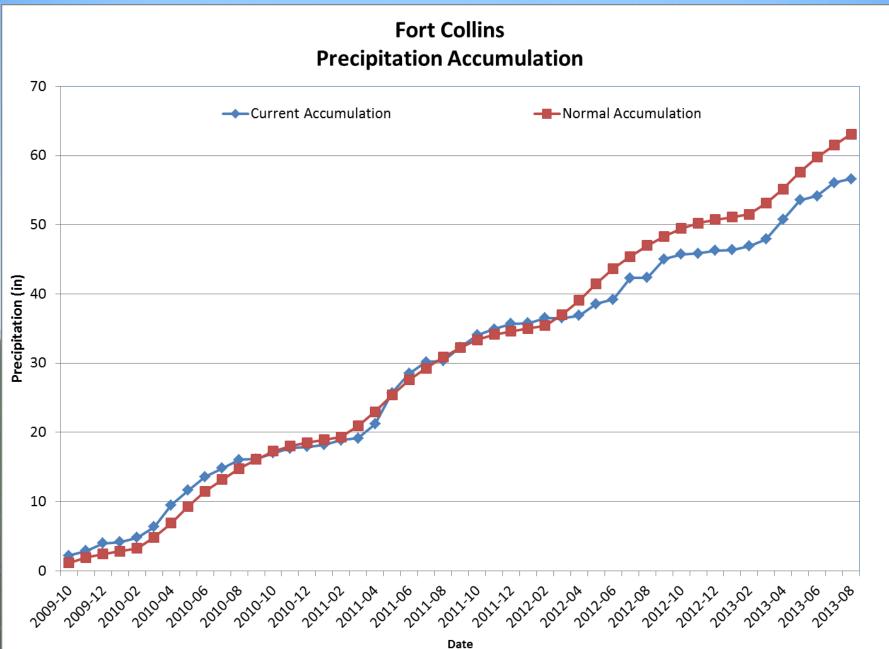


Division 8 – Fort Collins

Fort Collins 2013 Water Year

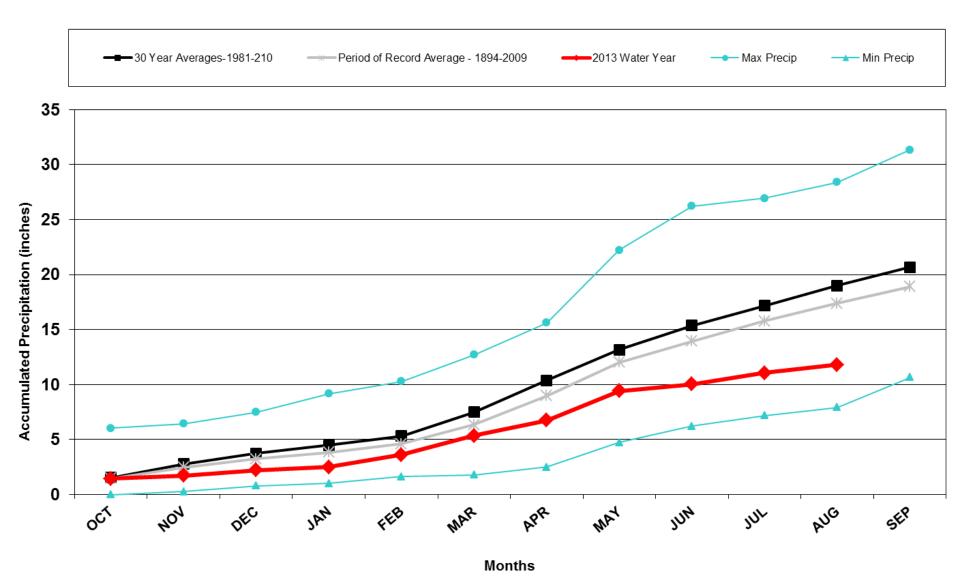


Division 8 – Fort Collins

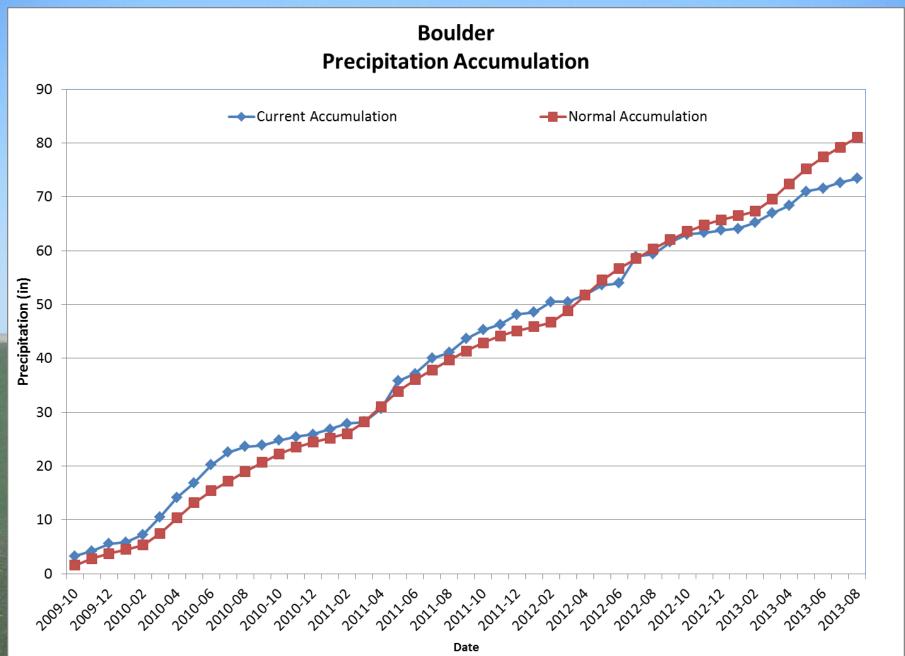


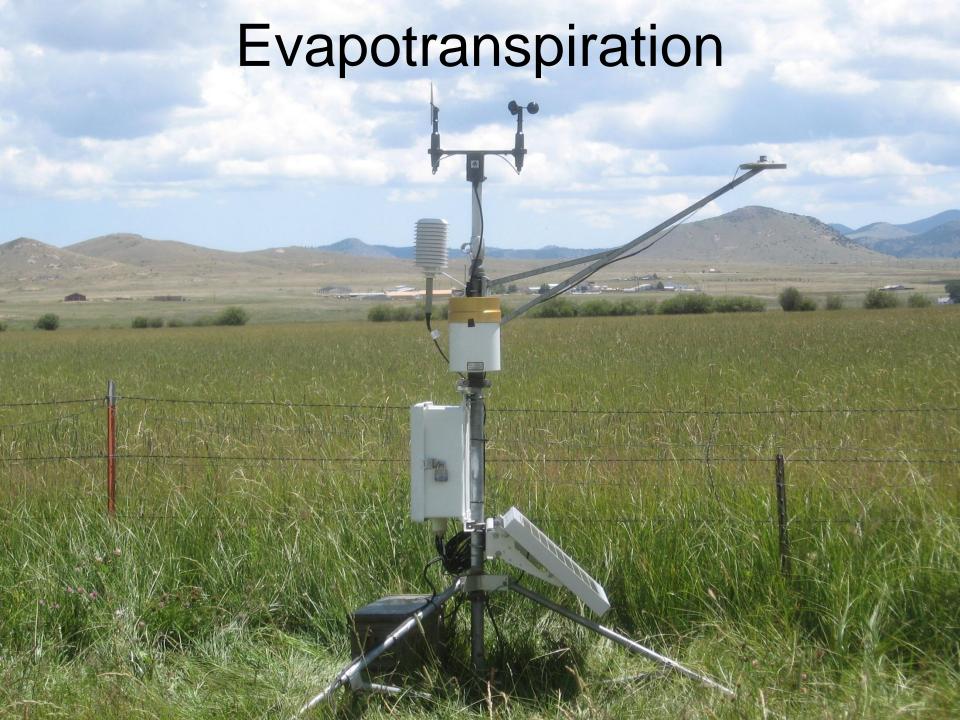
Division 8 - Boulder

Boulder 2013 Water Year



Division 8 - Boulder

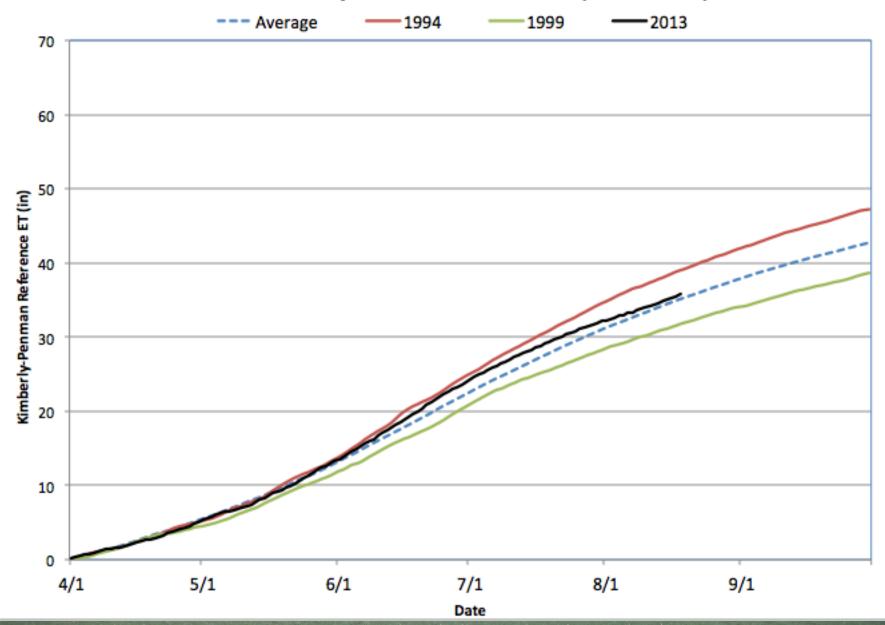




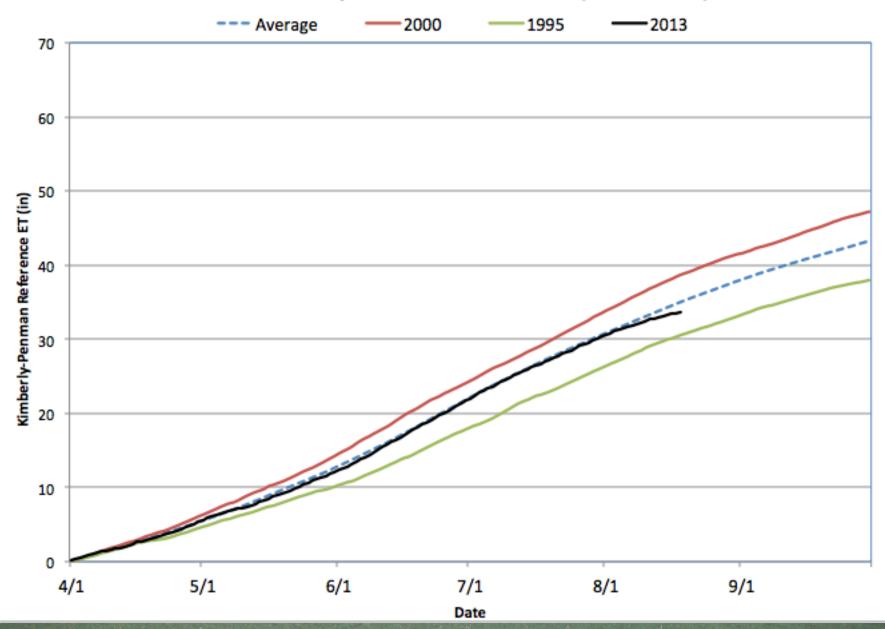
CoAgMet Reference Evapotranspiration Stations



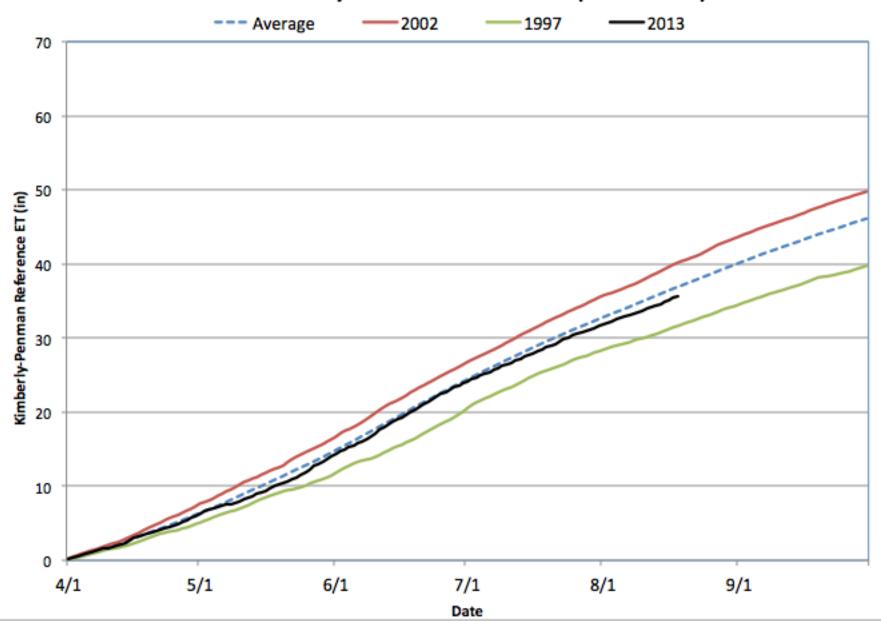
Olathe Kimberly-Penman Reference ET (1993 - 2013)



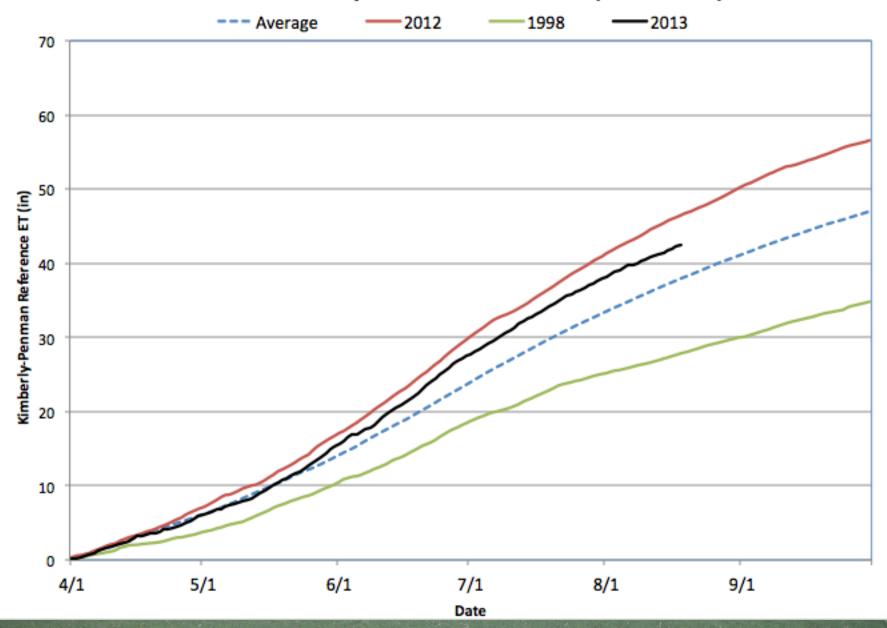
Cortez Kimberly-Penman Reference ET (1992 - 2013)



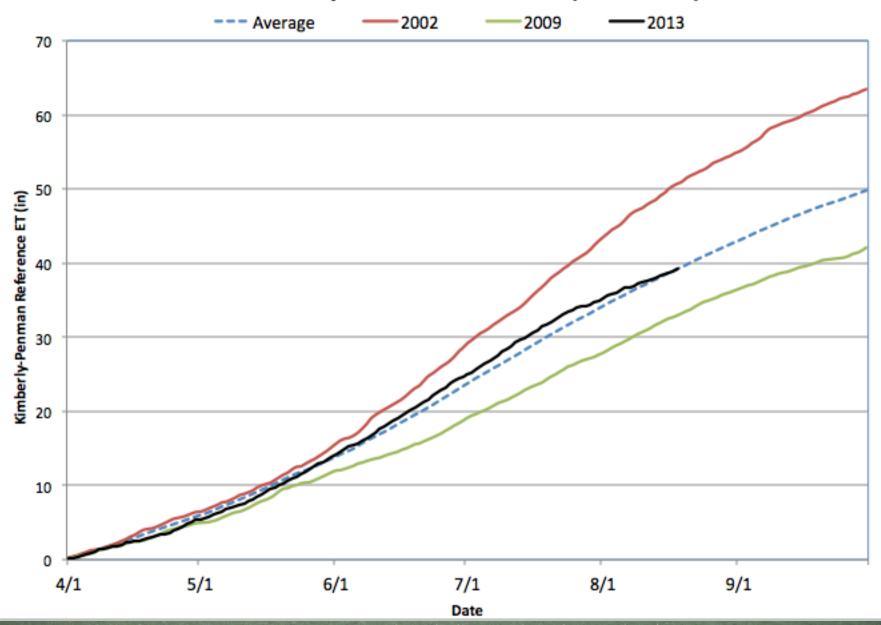




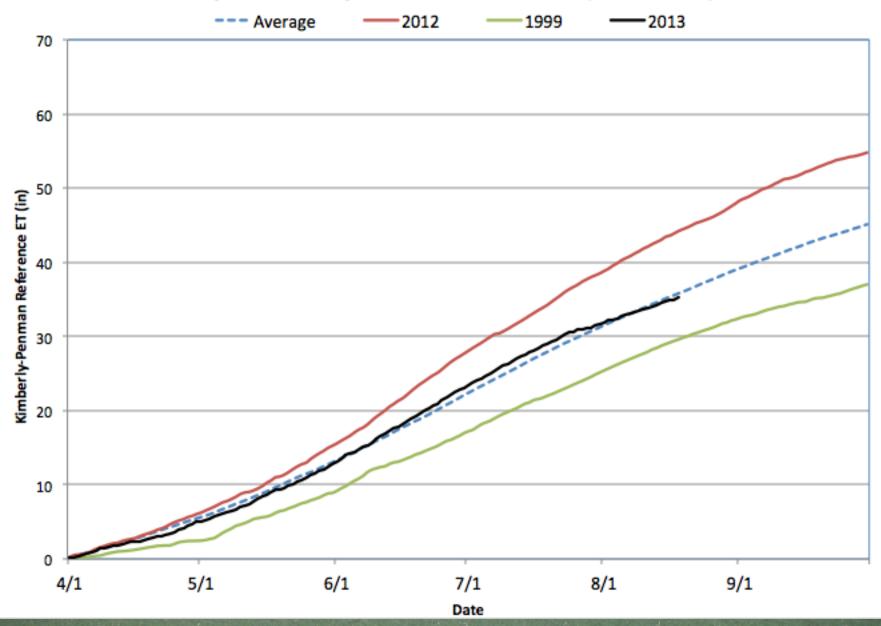




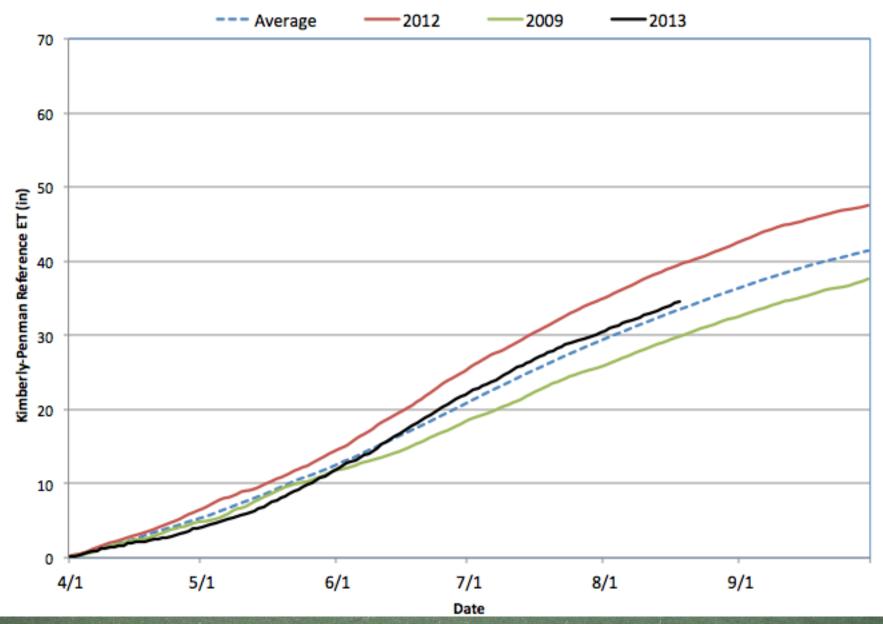




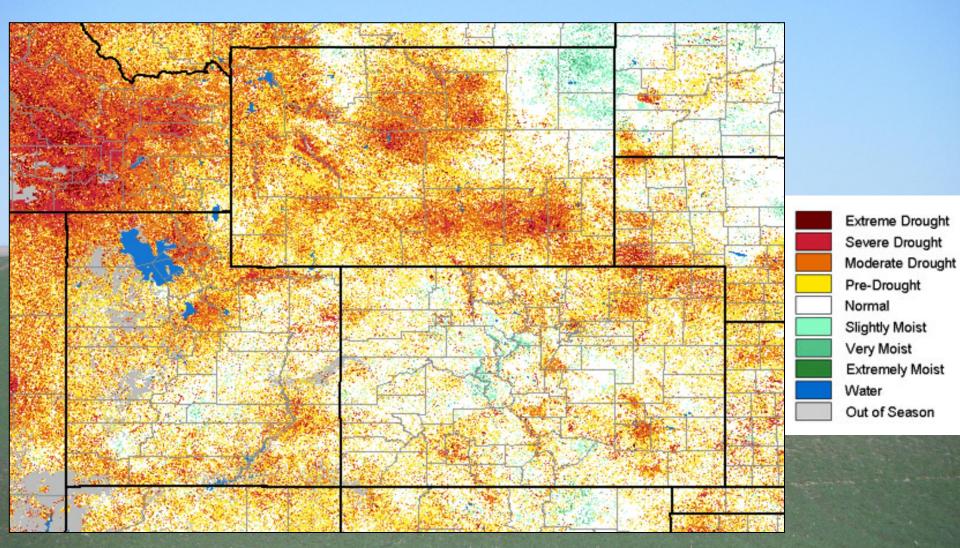
Holyoke Kimberly-Penman Reference ET (1992 - 2013)





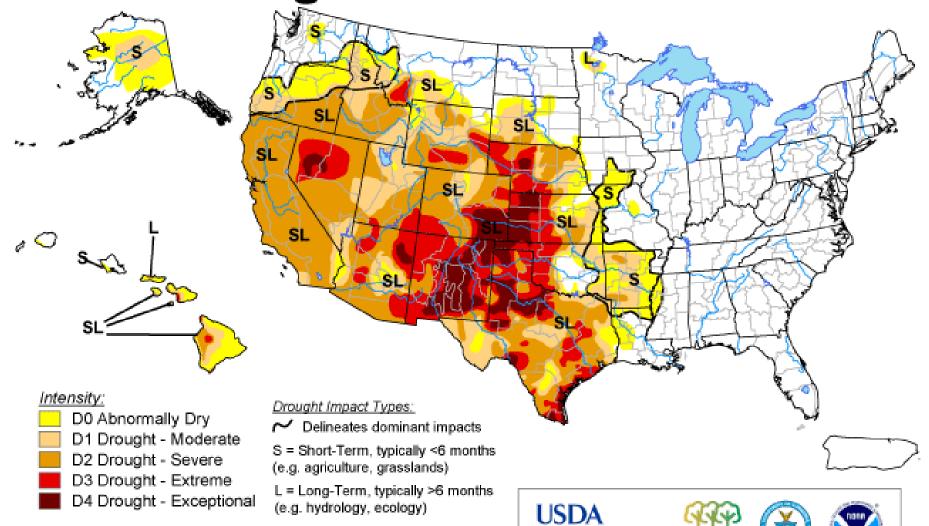


VegDRI 18 August 2013



U.S. Drought Monitor

July 16, 2013



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

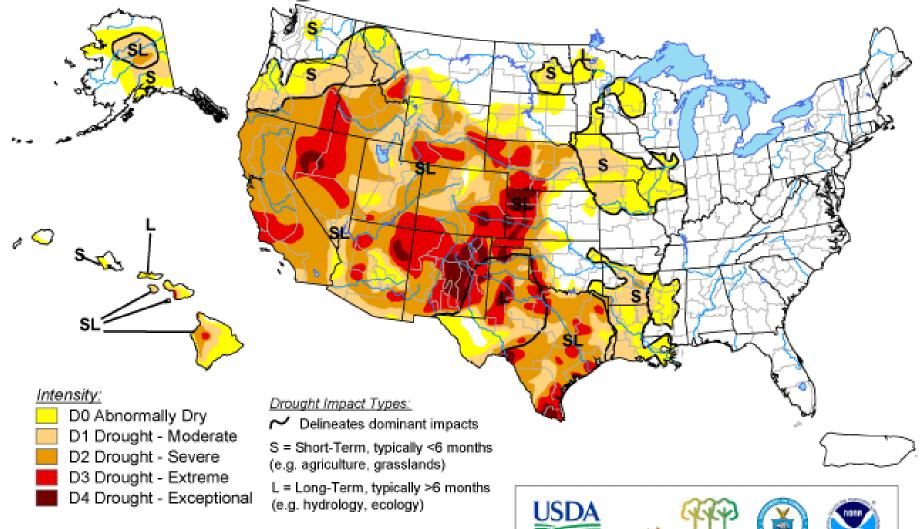
http://droughtmonitor.unl.edu/

Released Thursday, July 18, 2013 Author: Richard Heim, NOAA/NESDIS/NCDC

National V Drought Mitigation Cente

U.S. Drought Monitor

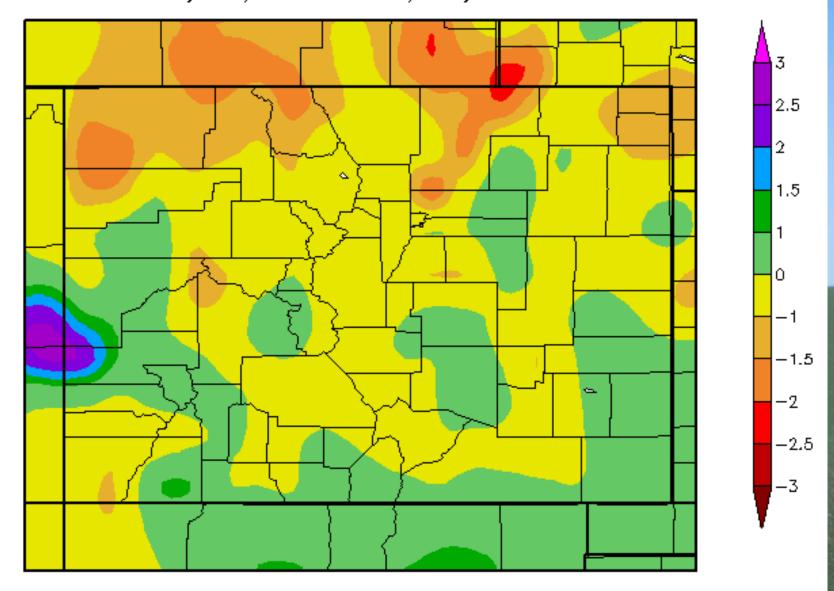
August 13, 2013



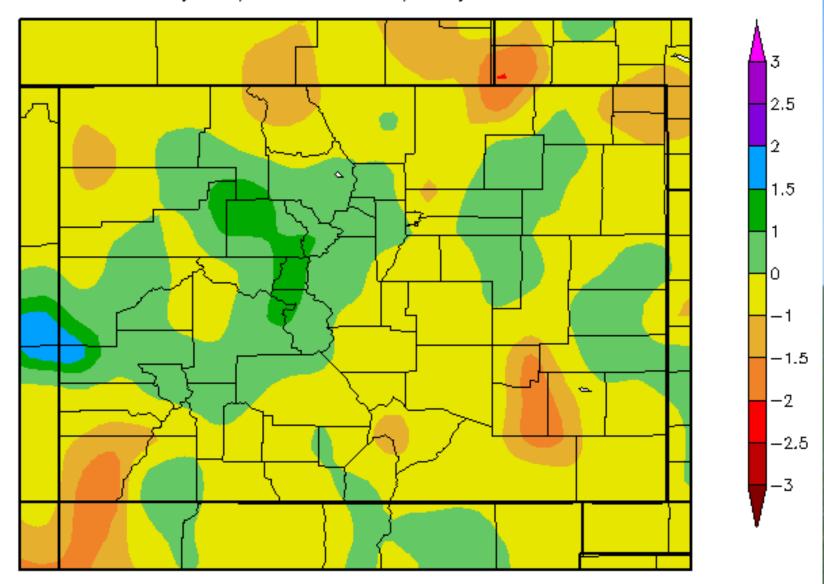
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Released Thursday, August 15, 2013 Author: Michael Brewer/L. Love-Brotak, NOAA/NESDIS/NCDC

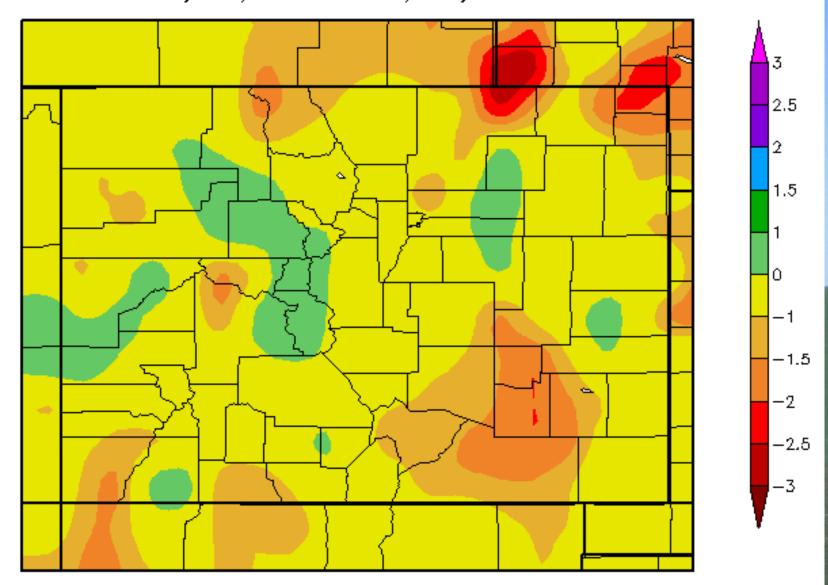
90 Day SPI 5/22/2013 - 8/19/2013



6 Month SPI 2/20/2013 - 8/19/2013

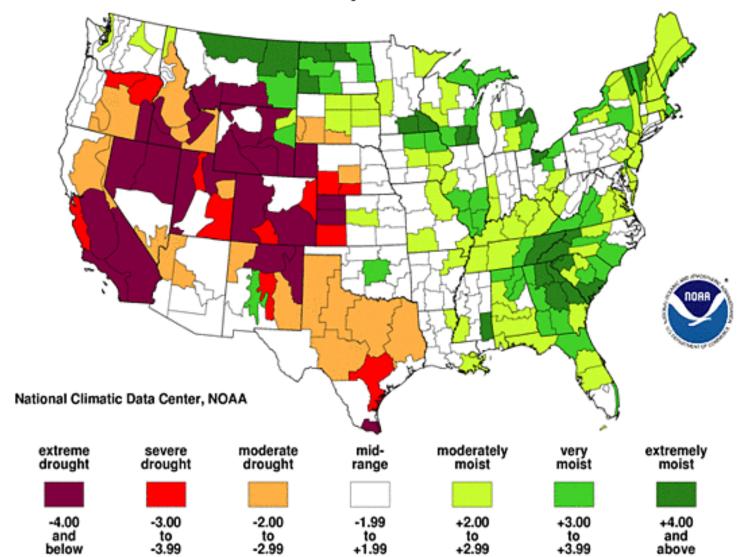


12 Month SPI 8/20/2012 - 8/19/2013



Palmer Drought Index Long-Term (Meteorological) Conditions





Colorado Climate Center

Data and Power Point Presentations available for downloading

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



