

Climate Update



Wendy Ryan Colorado Climate Center

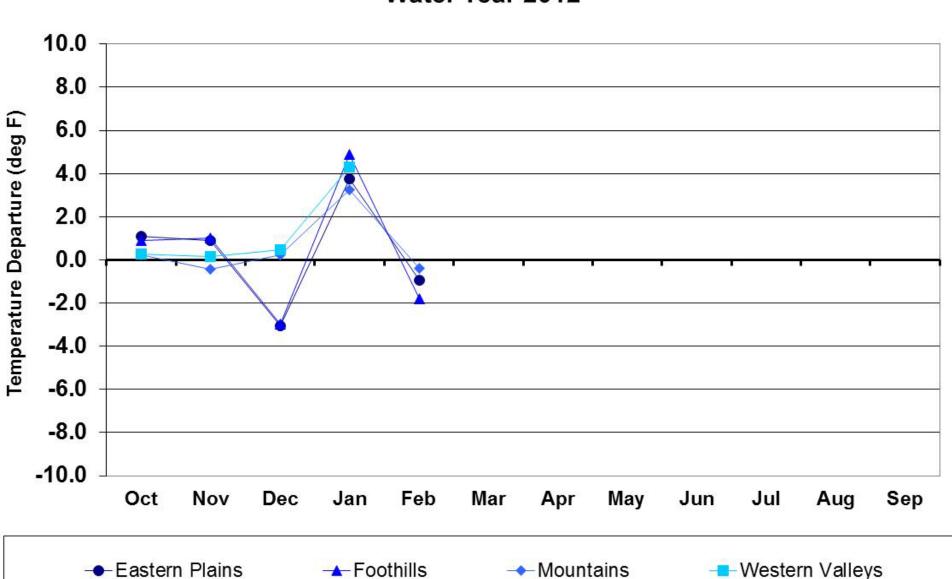
Atmospheric Science Department Colorado State University

Presented to Water Availability Task Force March 22, 2012 Denver, CO

Prepared by Wendy Ryan

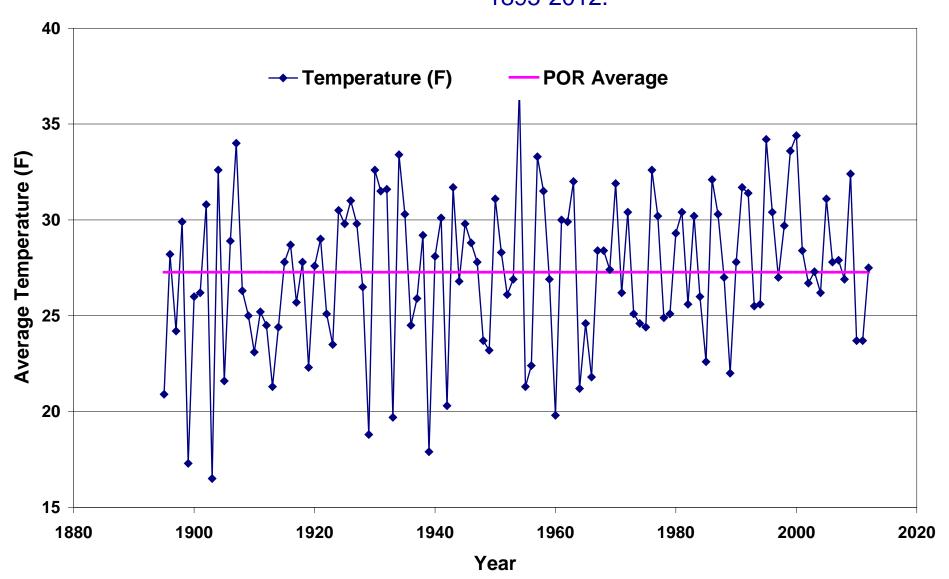
Water Year 2012 Temperature Departures



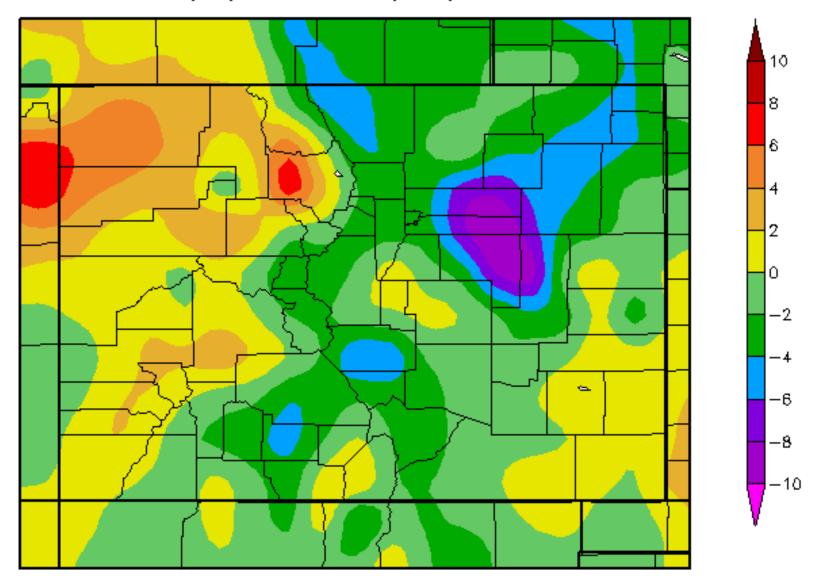


February Average Temperature History for Colorado (NCDC)

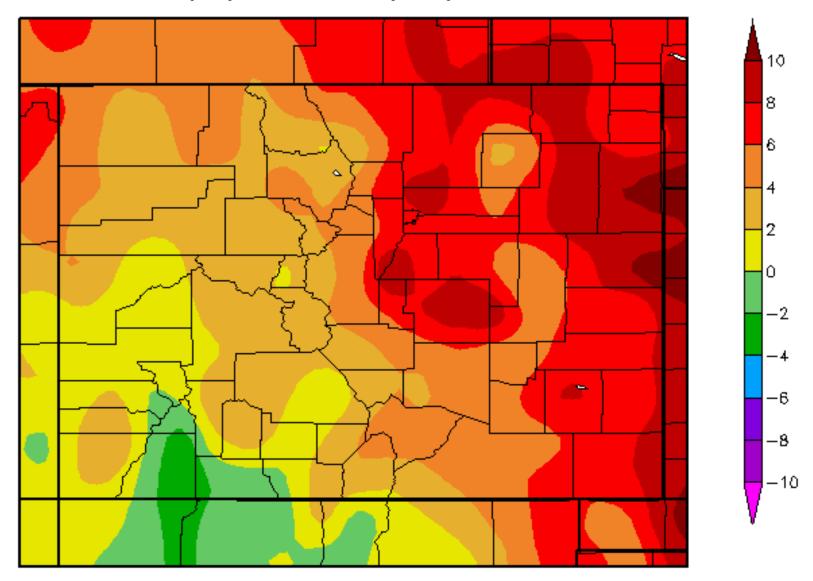
27.5 Ranks as the 60th warmest on record 1895-2012.



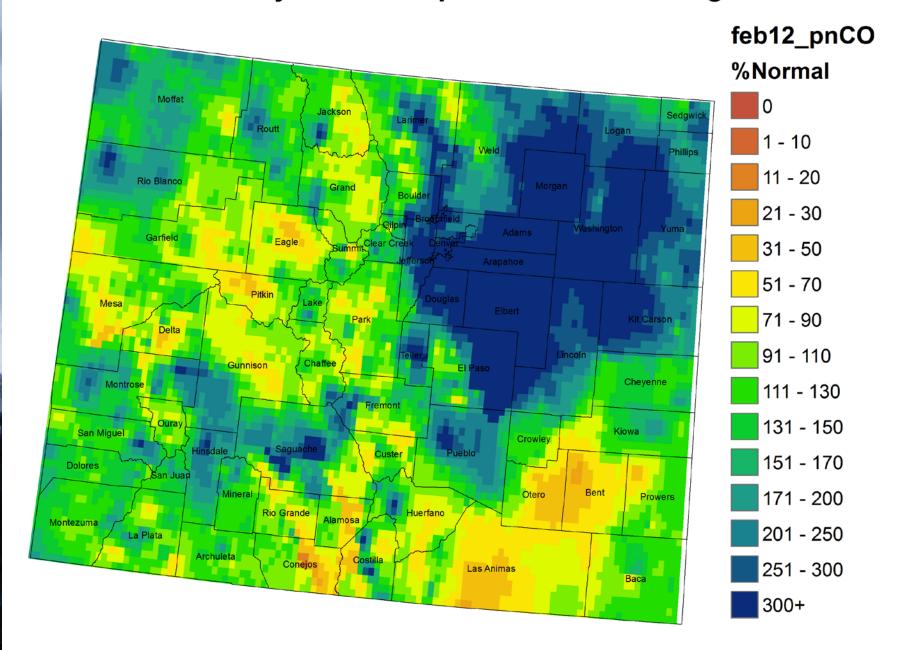
Departure from Normal Temperature (F) 2/1/2012 - 2/29/2012



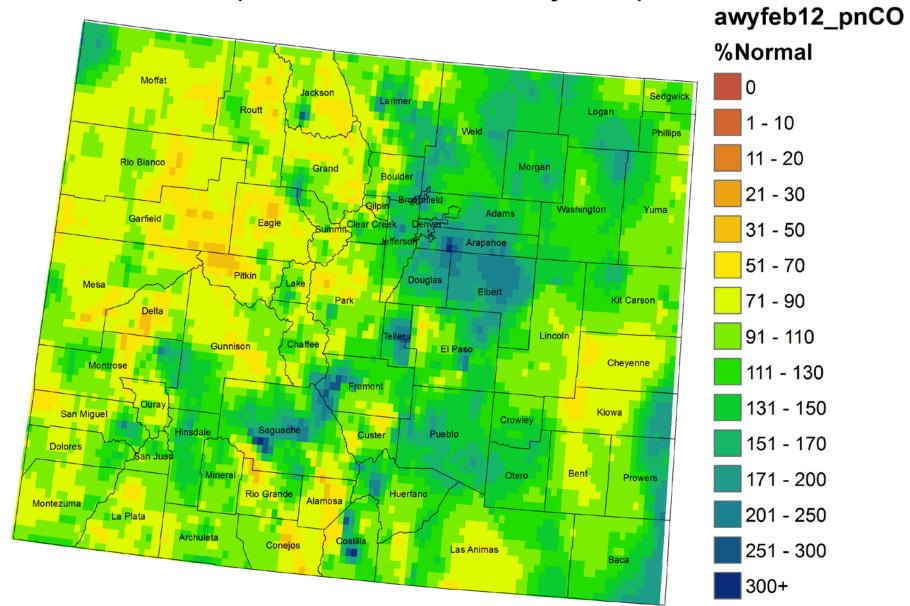
Departure from Normal Temperature (F) 3/1/2012 - 3/19/2012



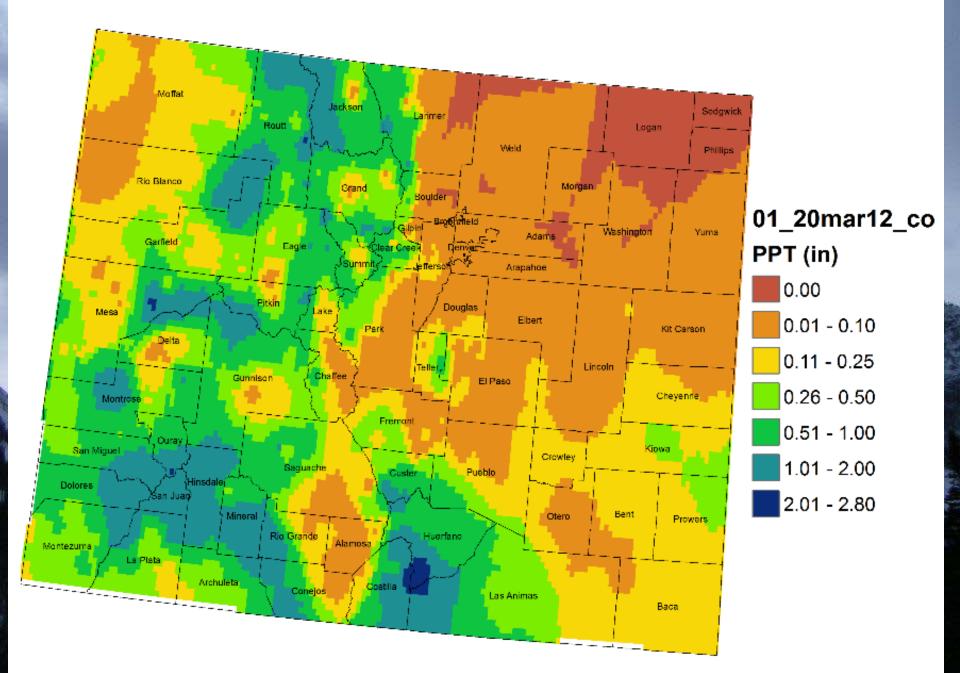
Colorado February 2012 Precipitation as Percentage of Normal



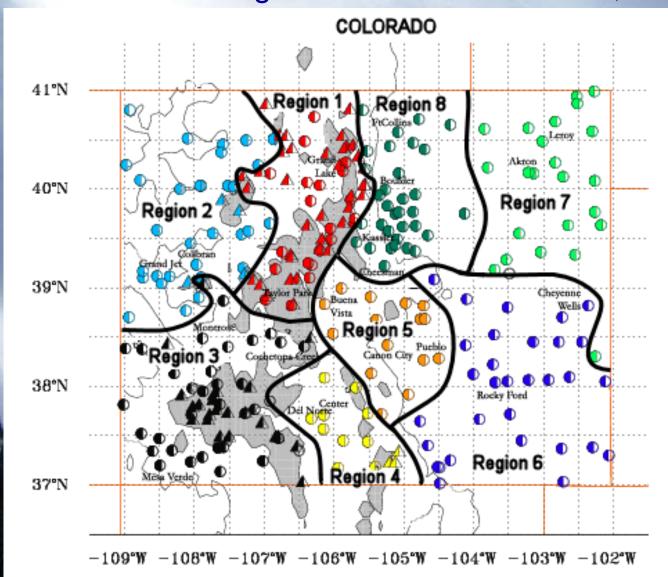
Colorado Water Year 2012 Precipitation as Percentage of Normal (October 2011 - February 2012)



Colorado Precipitation 1 - 20 March 2012

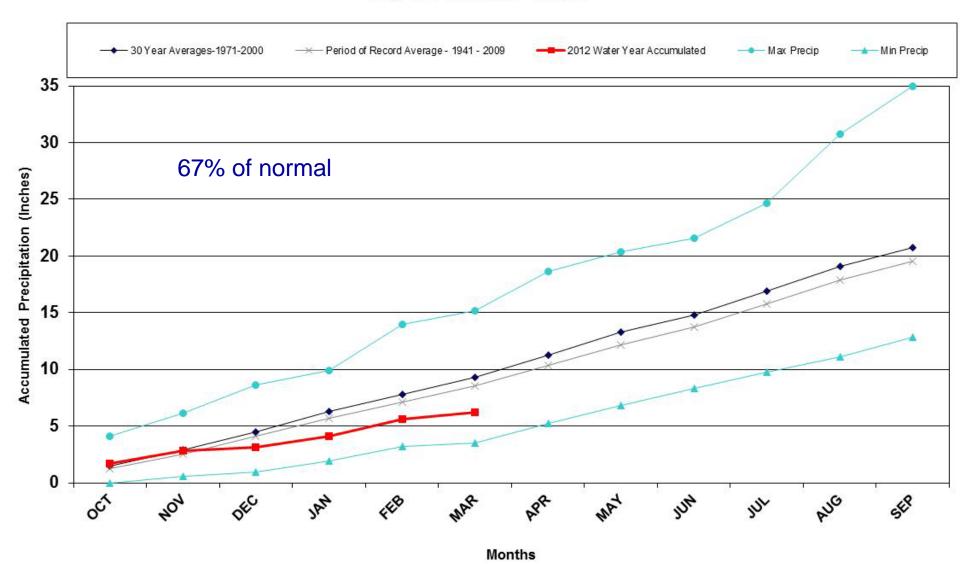


Climate divisions defined by Dr. Klaus Wolter of NOAA's Climate Diagnostic Center in Boulder, CO



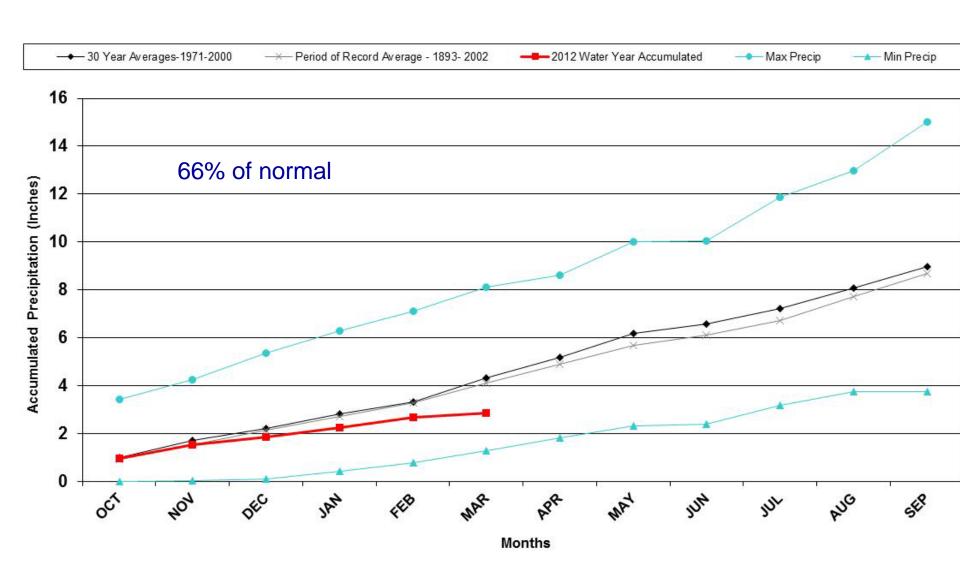
Division 1 - Grand Lake 1NW

Grand Lake 1 NW 2012 Water Year



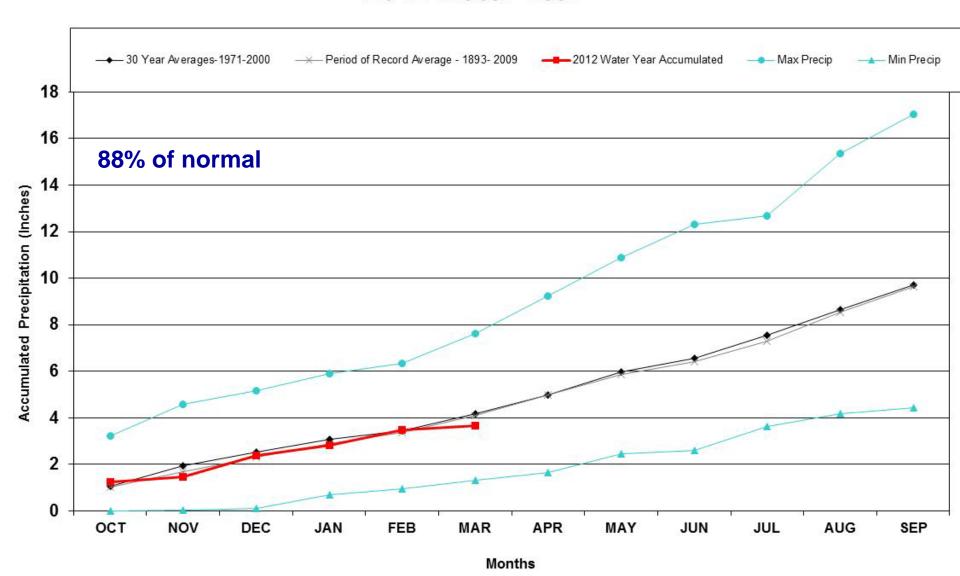
Division 2 - Grand Junction

Grand Junction WSFO 2012 Water Year



Division 3 - Montrose

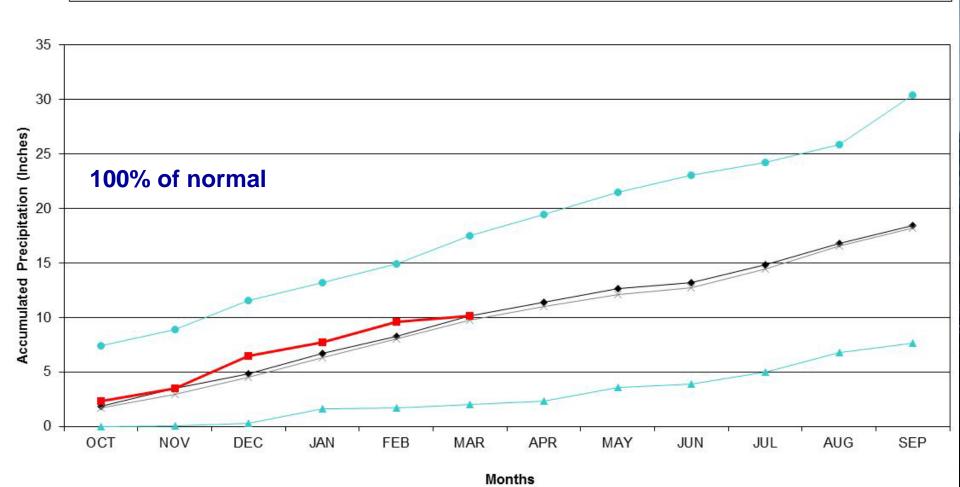
Montrose #2 2012 Water Year



Division 3 – Mesa Verde NP

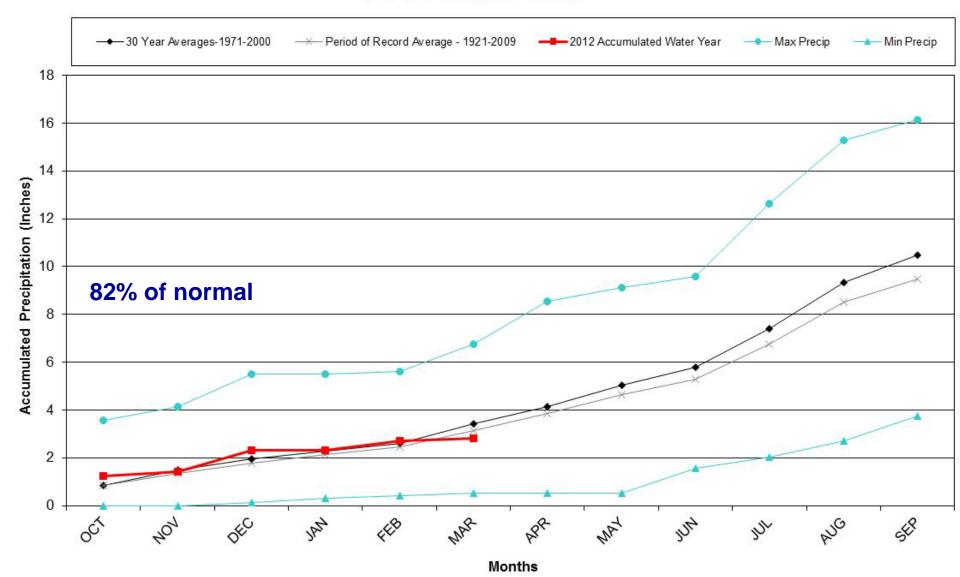
Mesa Verde NP 2012 Water Year





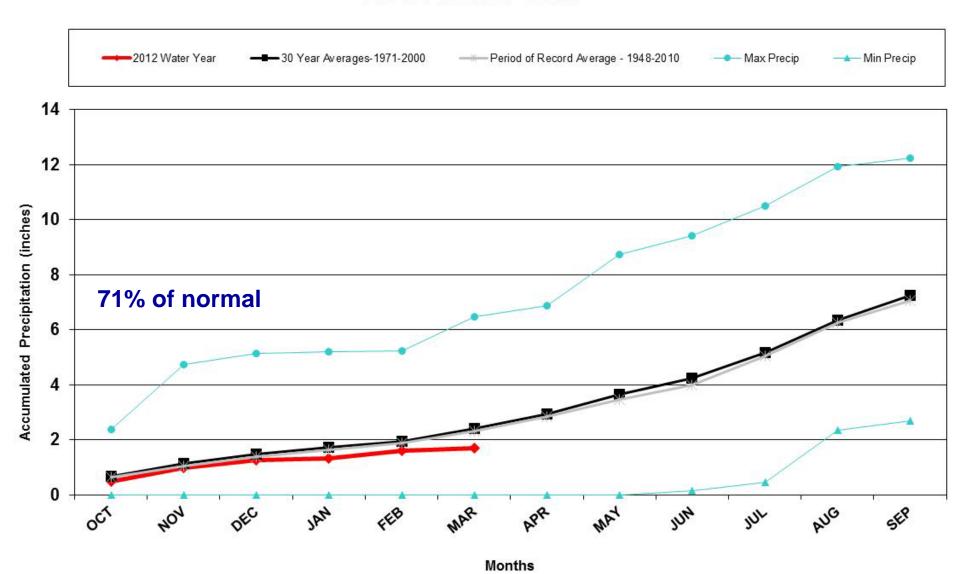
Division 4 - Del Norte

Del Norte 2012 Water Year



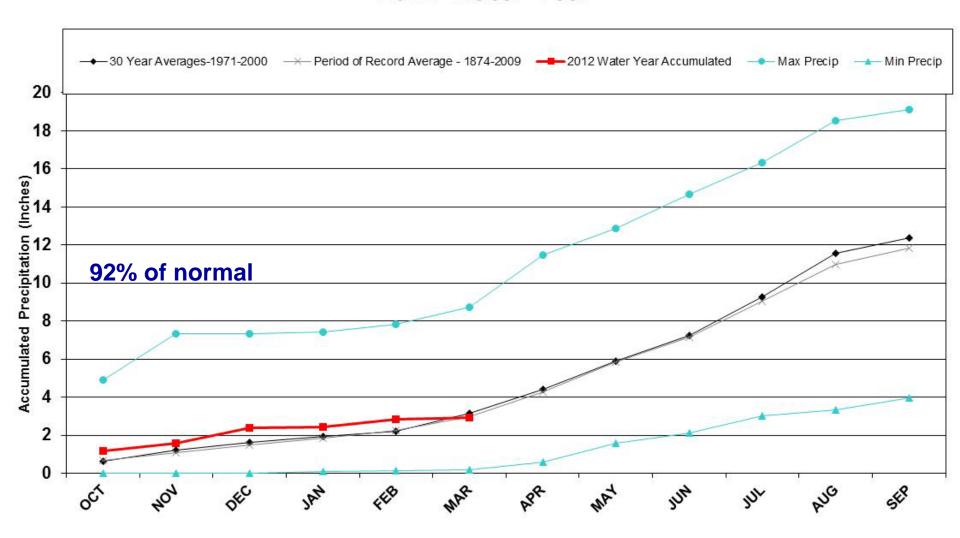
Division 4 – Alamosa

Alamosa WSO 2012 Water Year



Division 5 - Pueblo

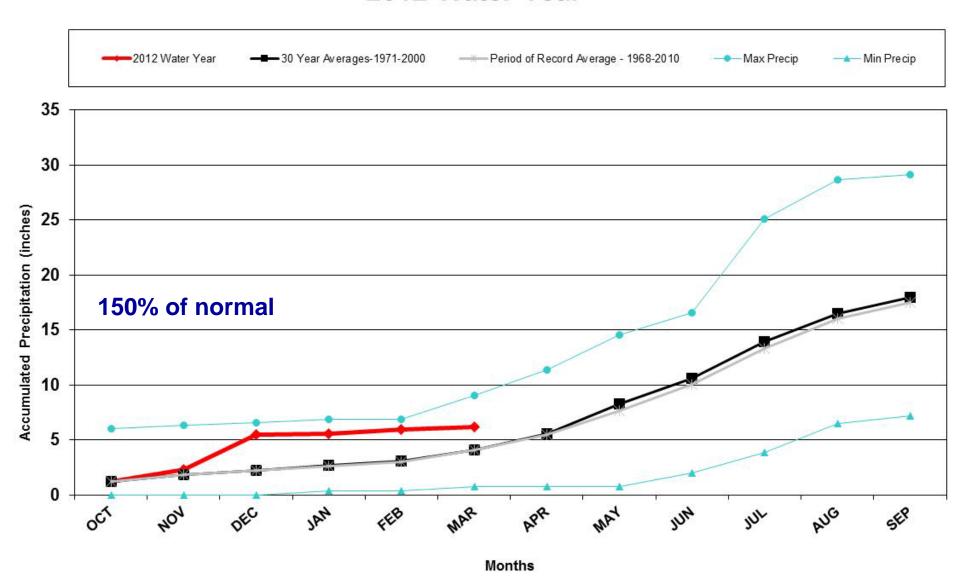
Pueblo WSO 2012 Water Year



Months

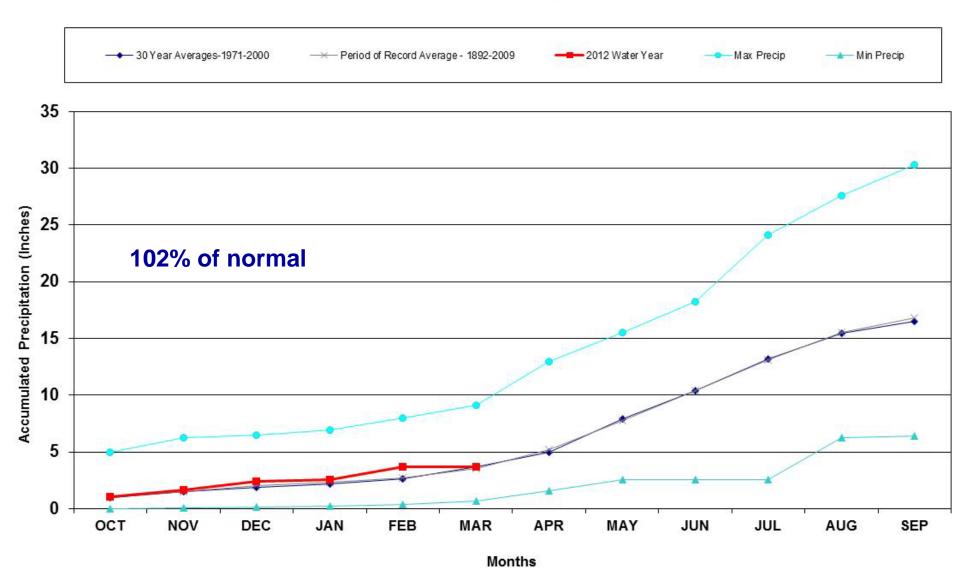
Division 6 - Walsh

Walsh 2012 Water Year



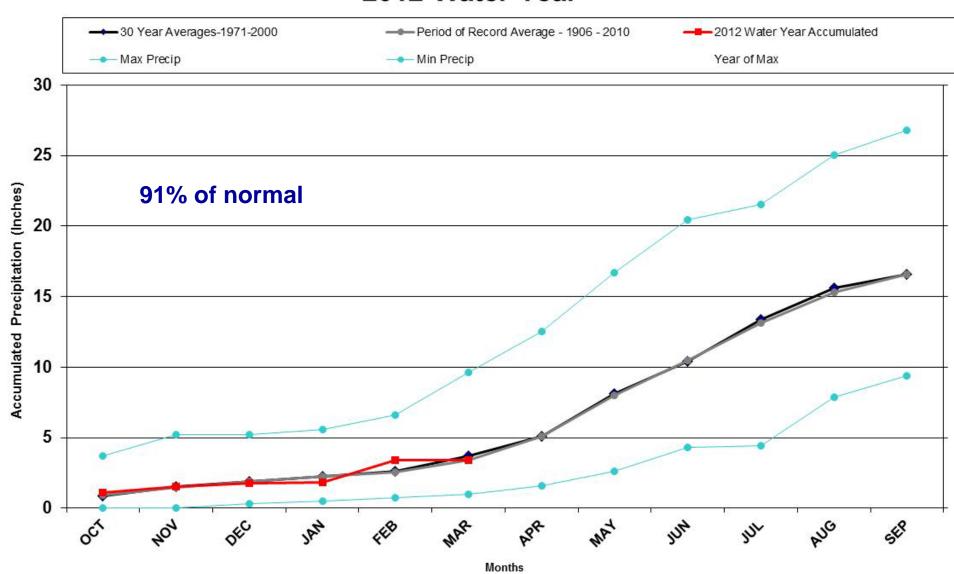
Division 6 - Burlington

Burlington 2012 Water Year



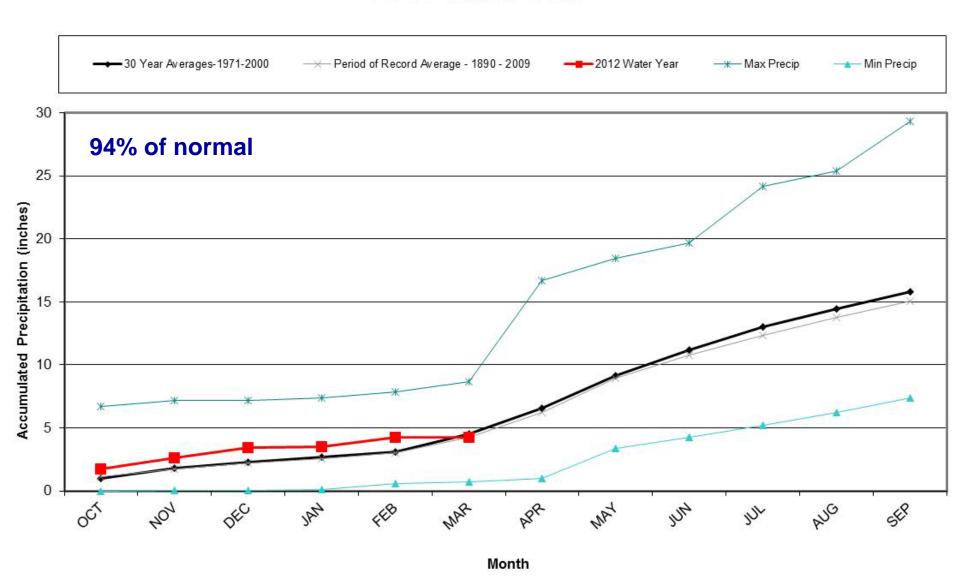
Division 7 – Akron

Akron 4E 2012 Water Year



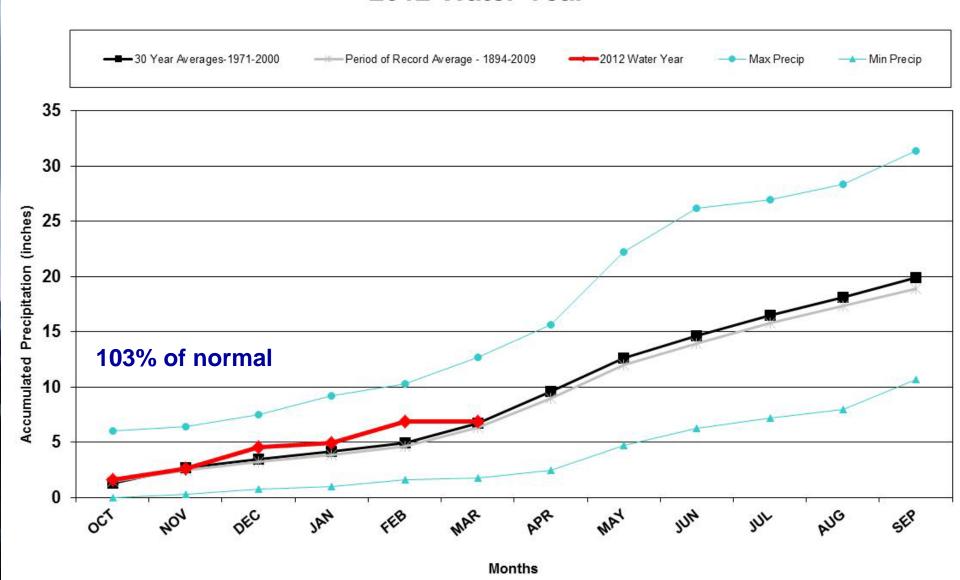
Division 8 - Fort Collins

Fort Collins 2012 Water Year



Division 8 - Boulder

Boulder 2012 Water Year



U.S. Drought Monitor Valid 7 a.m. EST DRAE Drought Impact Types: Intensity: Delineates dominant impacts D0 Abnormally Dry D1 Drought - Moderate S = Short-Term, typically <6 months (e.g. agriculture, grasslands) D2 Drought - Severe D3 Drought - Extreme L = Long-Term, typically >6 months

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

(e.g. hydrology, ecology)

http://droughtmonitor.unl.edu/

D4 Drought - Exceptional



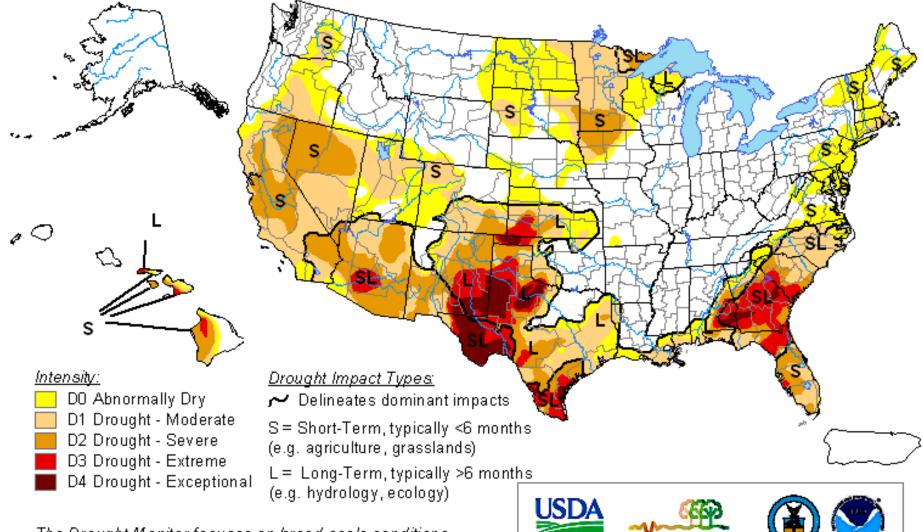
February 14, 2012

Released Thursday, February 16, 2012 Author: Rich Tinker, NOAA/NWS/NCEP/CPC

U.S. Drought Monitor

March 20, 2012

Valid 7 a.m. EDT



The Drought Monitor focuses on broad-scale conditions.

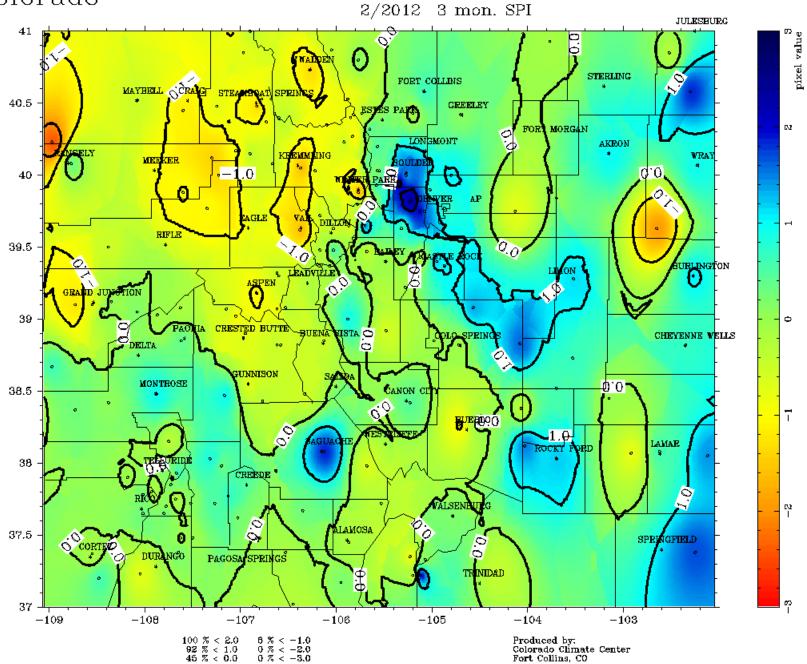
Local conditions may vary. See accompanying text summary for forecast statements.

Released Thursday, March 22, 2012

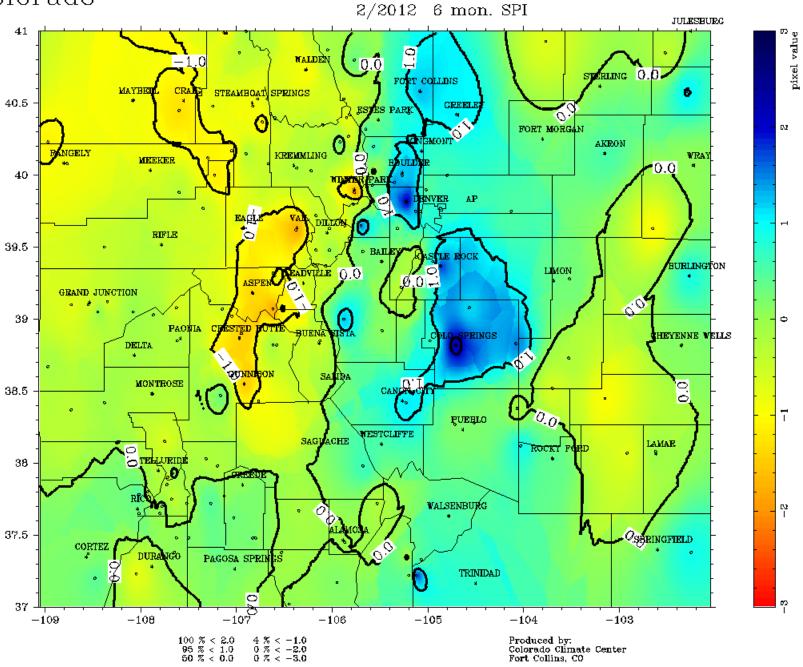
http://droughtmonitor.unl.edu/

Author: Eric Luebehusen, U.S. Department of Agriculture

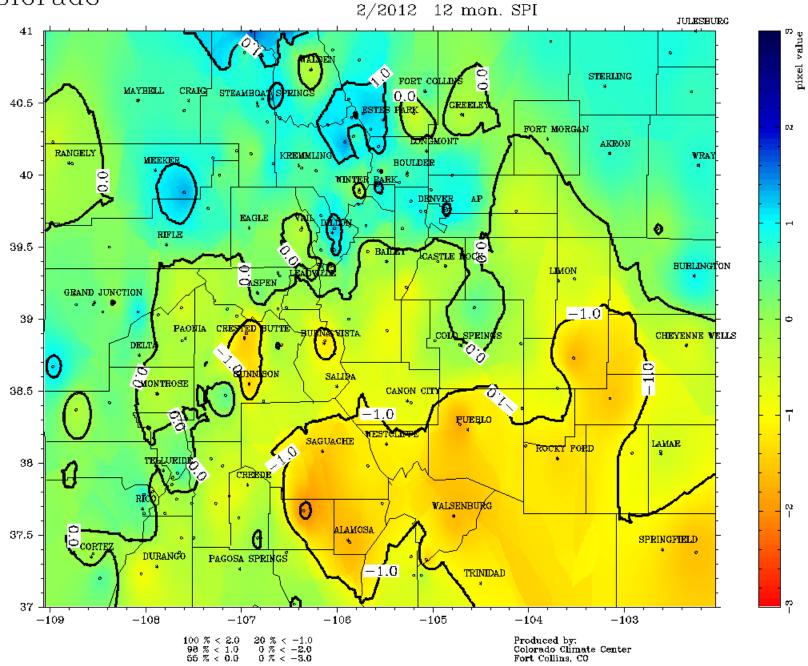
Colorado



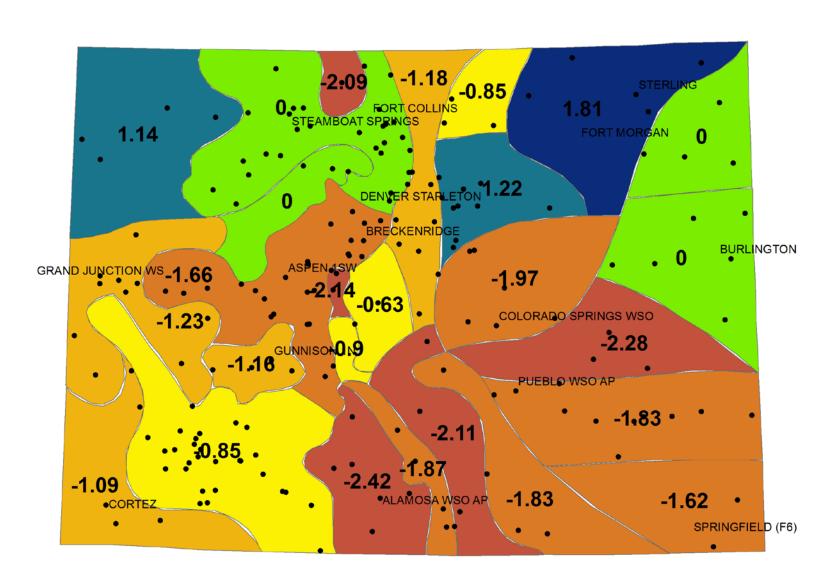
Colorado



Colorado

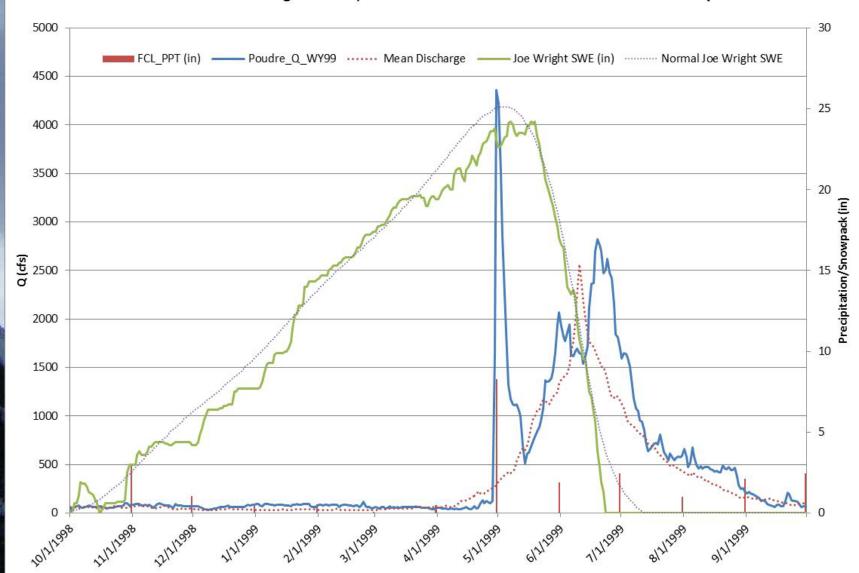


Preliminary Modified Palmer Drought Severity Index for Colorado February 2012



Flooding? Maybe?





Colorado Climate Center

Data and Power Point Presentations available for downloading

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



