





Wendy Ryan
Colorado Climate Center

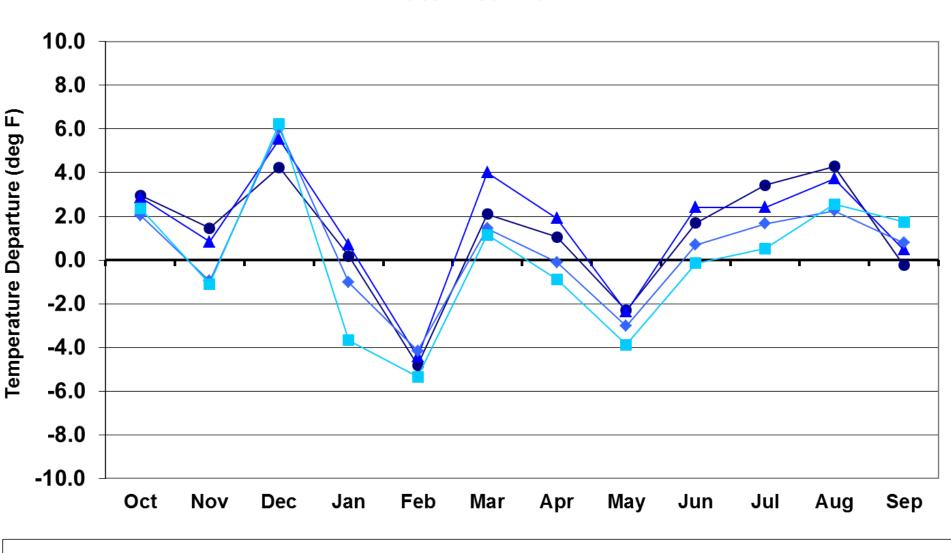
Atmospheric Science Department Colorado State University

Presented to Water Availability Task Force November 21, 2011 Denver, CO

Prepared by Wendy Ryan

Water Year 2011 Temperature Departures

Water Year 2011



→ Mountains

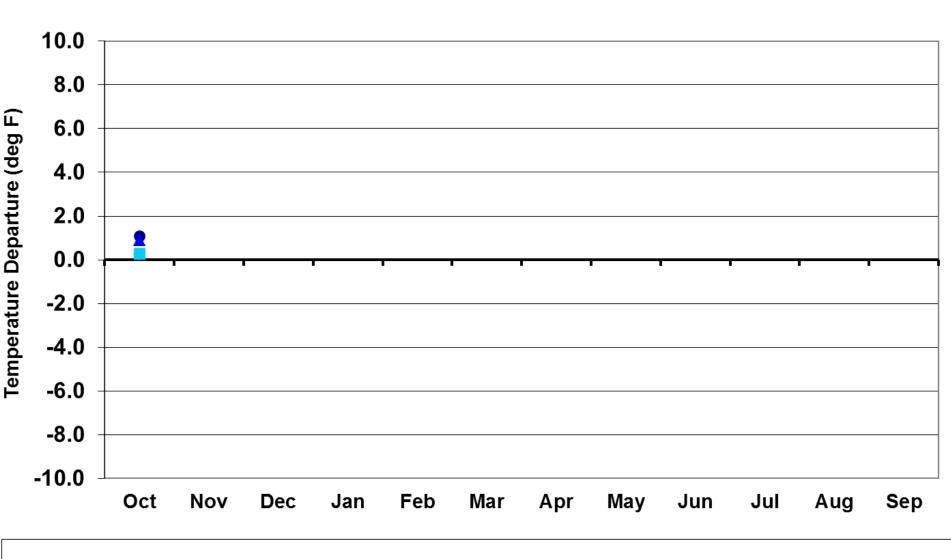
--- Western Valleys

→ Foothills

Eastern Plains

Water Year 2012 Temperature Departures

Water Year 2012



→ Mountains

--- Western Valleys

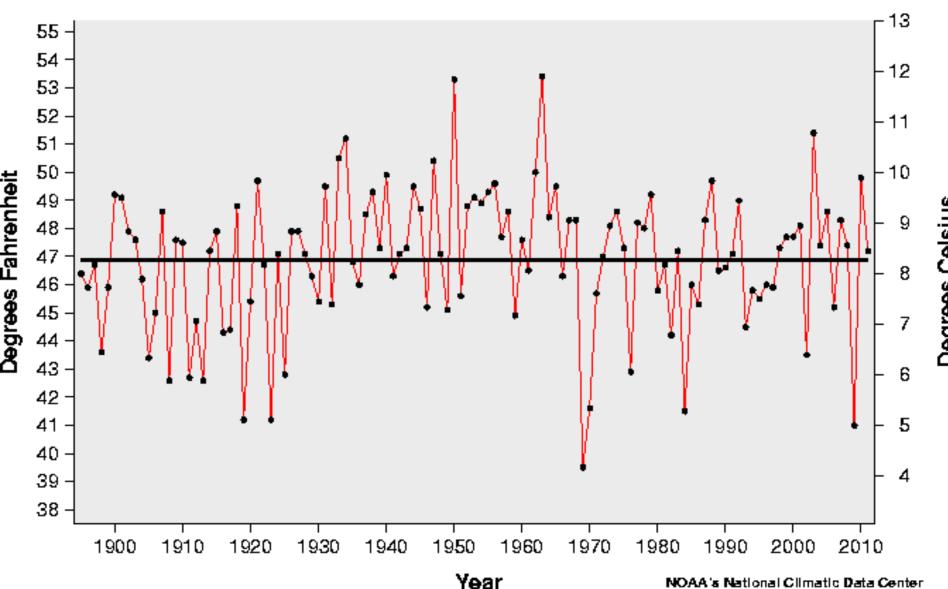
→ Foothills

Eastern Plains

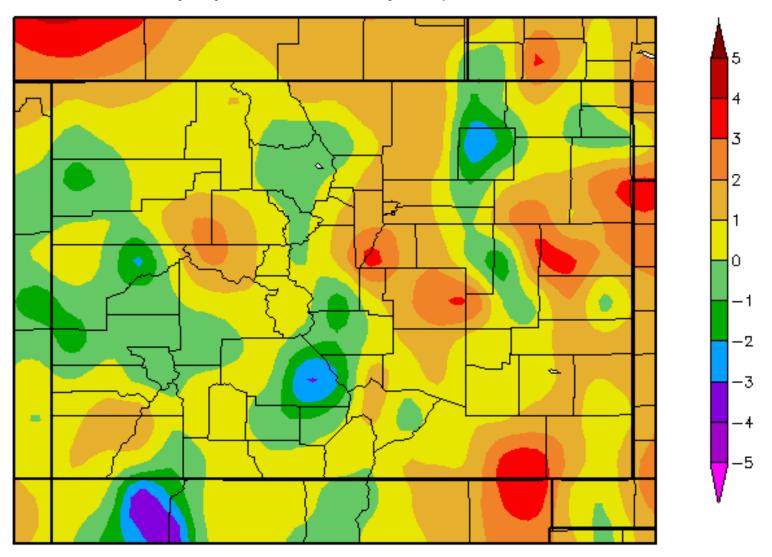
October Average Temperature History for Colorado (NCDC)

Actual Temperature
Average Temperature

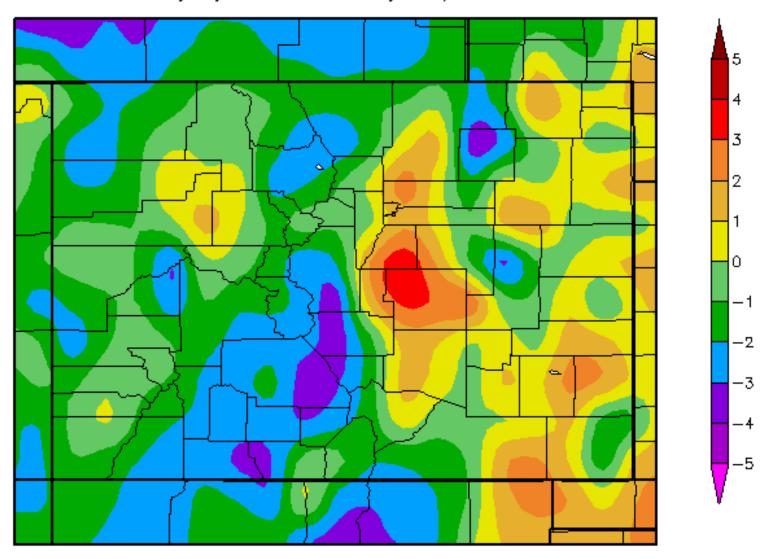
47.2 Ranks as the 58th coldest on record 1895-2011



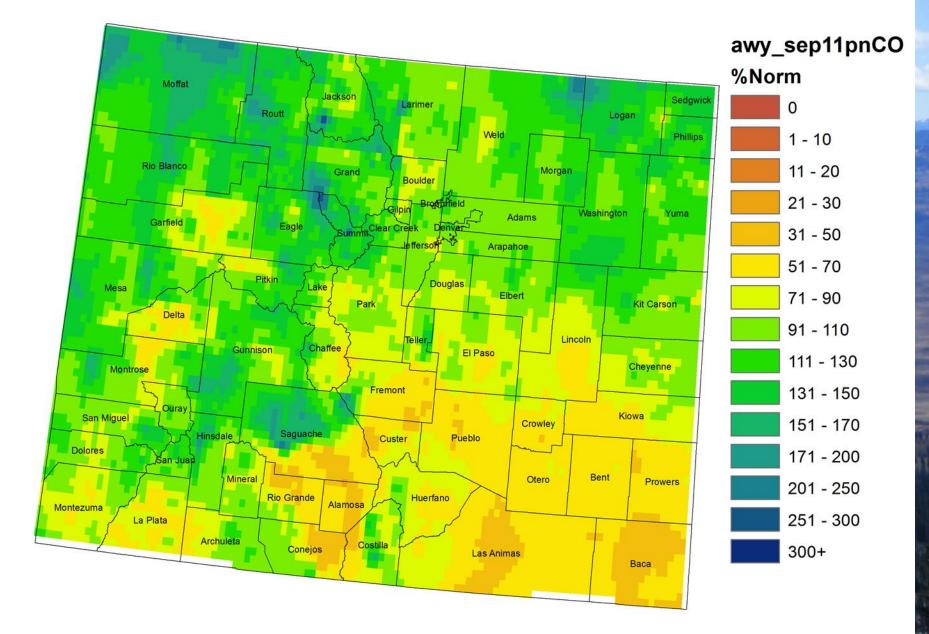
Departure from Normal Temperature (F) 10/1/2011 - 10/31/2011



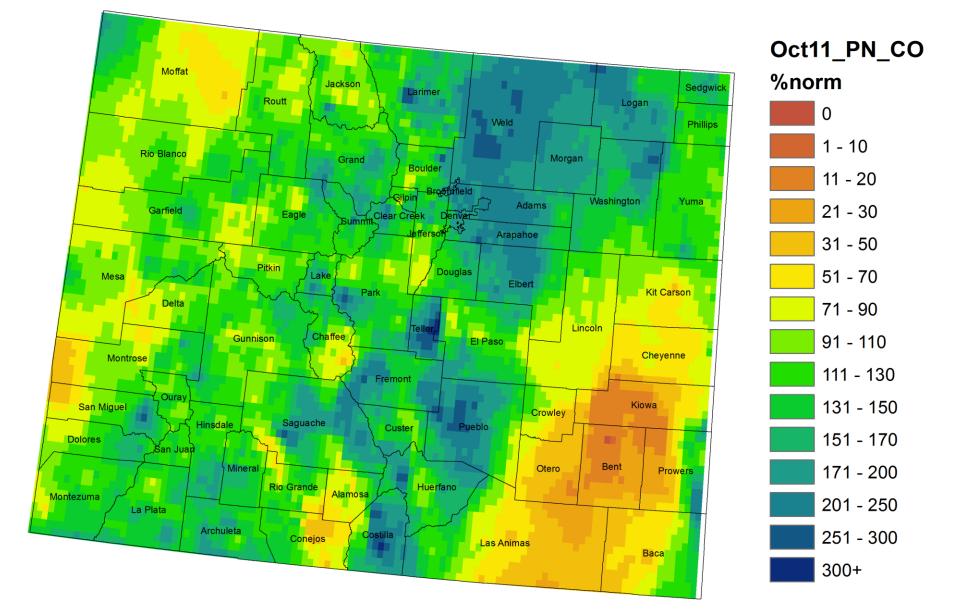
Departure from Normal Temperature (F) 11/1/2011 - 11/20/2011



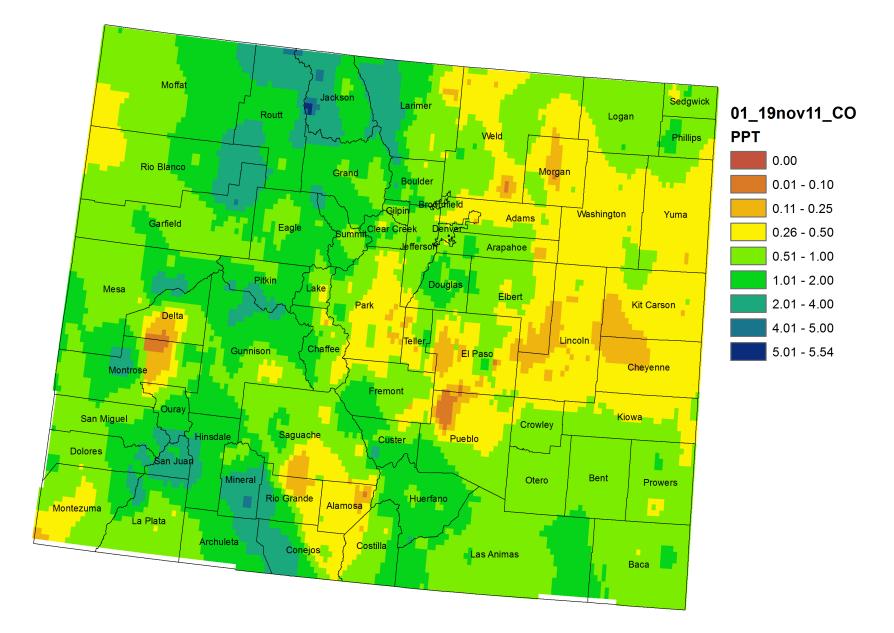
Colorado Water Year 2011 Precipitation as Percentage of Normal (Oct 10 - Sept 11)



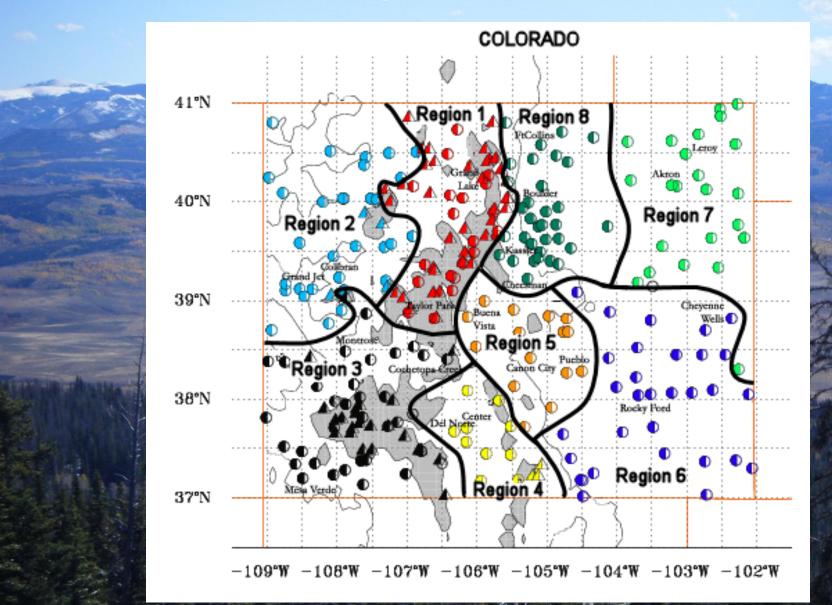
Colorado October 2011 Precipitation as Percentage of Normal



Colorado Precipitation (in) 1 - 19 November 2011

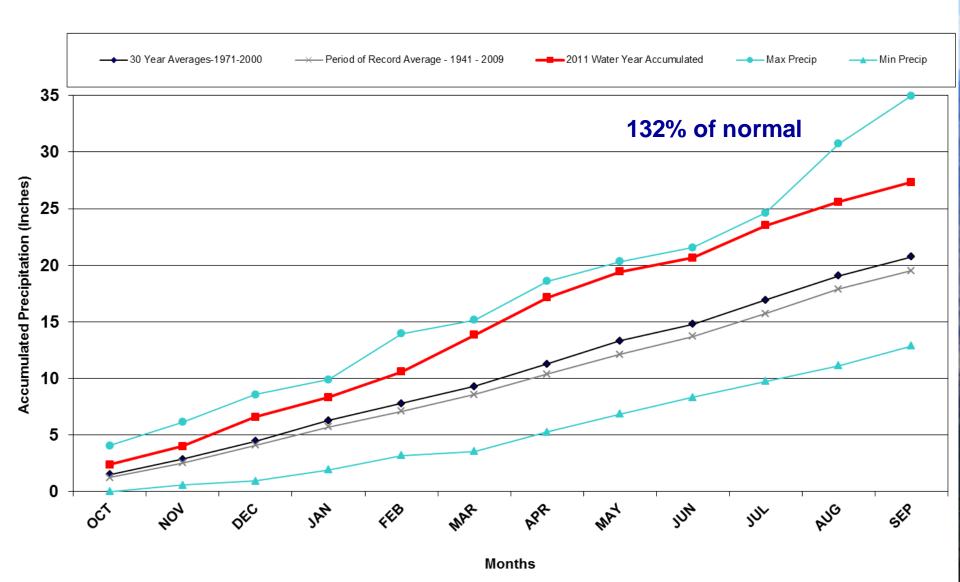


Climate divisions defined by Dr. Klaus Wolter of NOAA's Climate Diagnostic Center in Boulder, CO



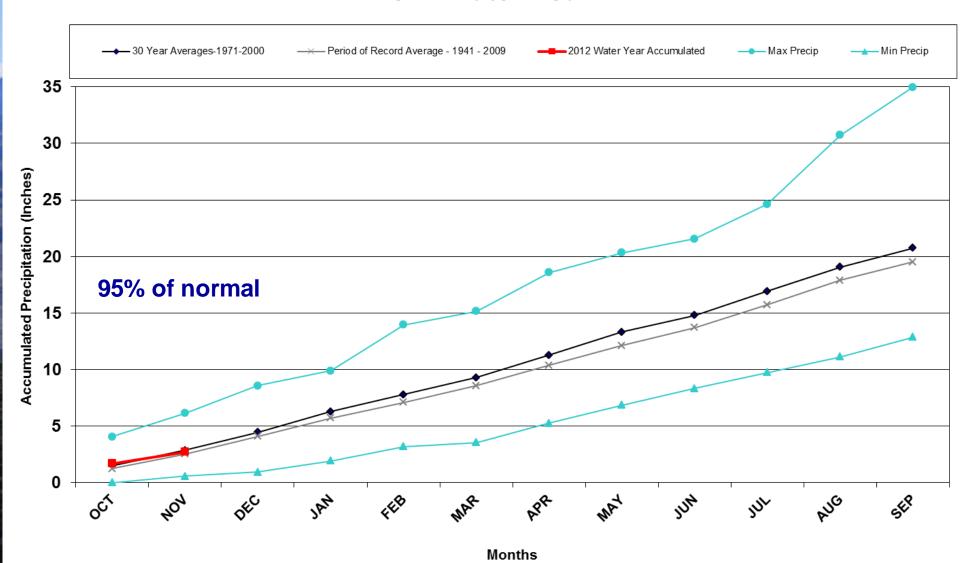
Division 1 – Grand Lake 1NW

Grand Lake 1 NW 2011 Water Year



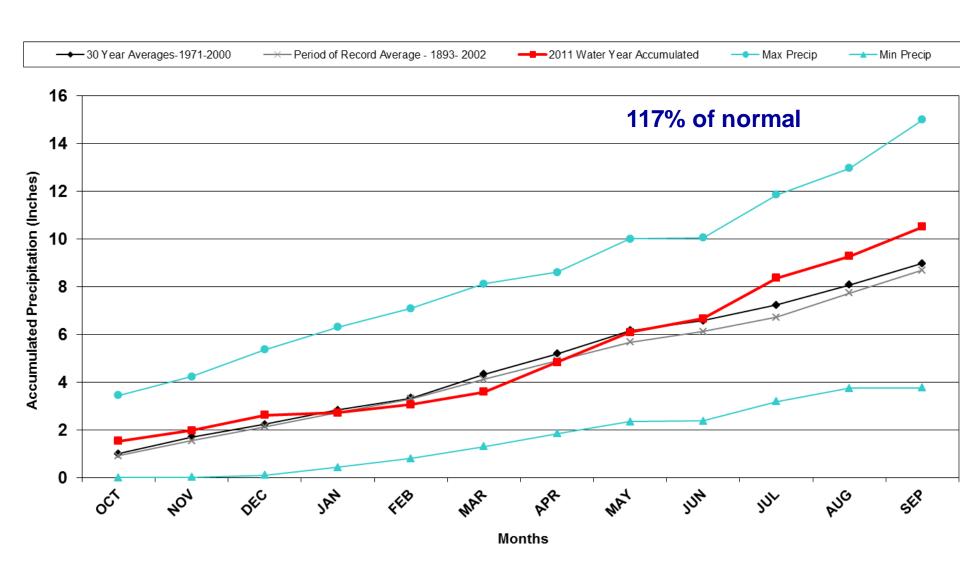
Division 1 – Grand Lake 1NW

Grand Lake 1 NW 2012 Water Year



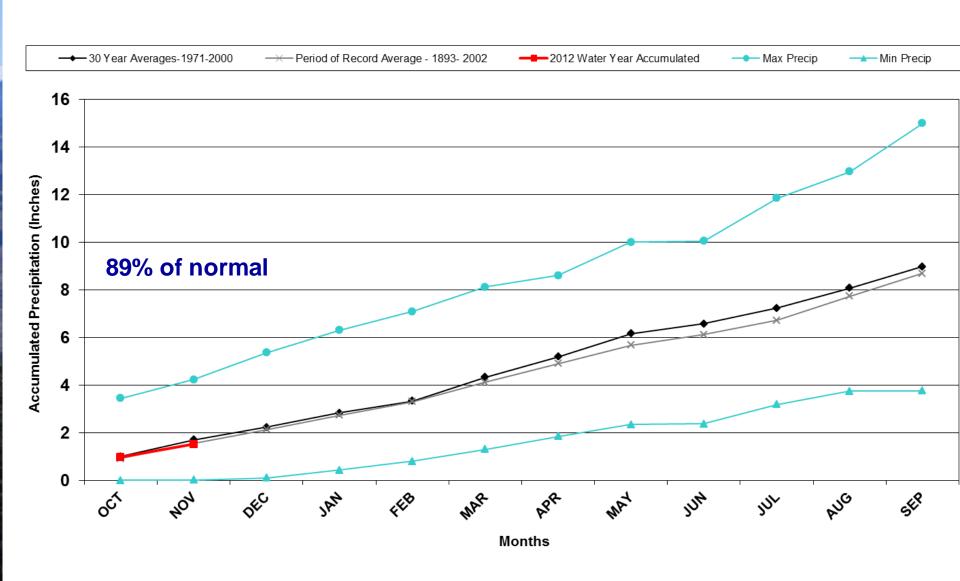
Division 2 – Grand Junction

Grand Junction WSFO 2011 Water Year



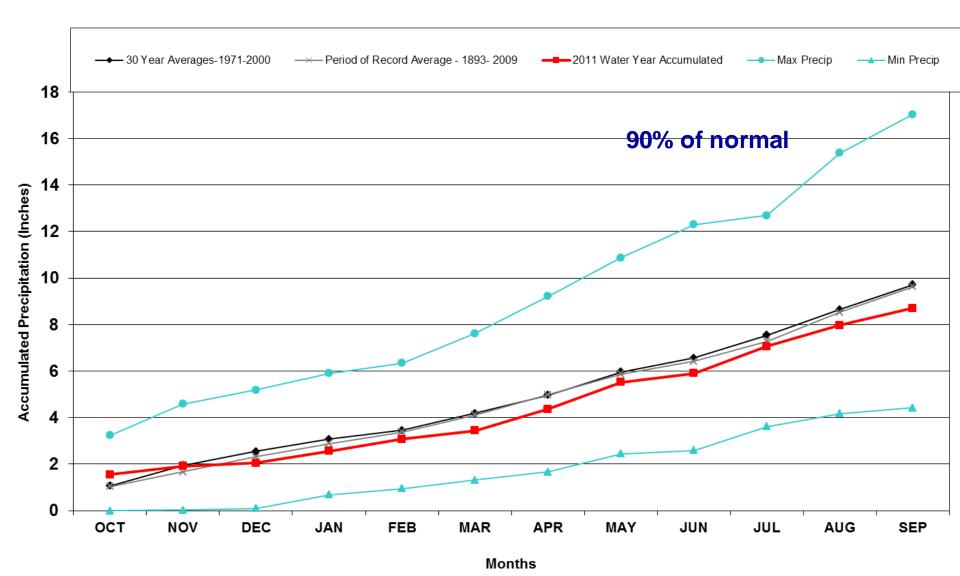
Division 2 – Grand Junction

Grand Junction WSFO 2012 Water Year



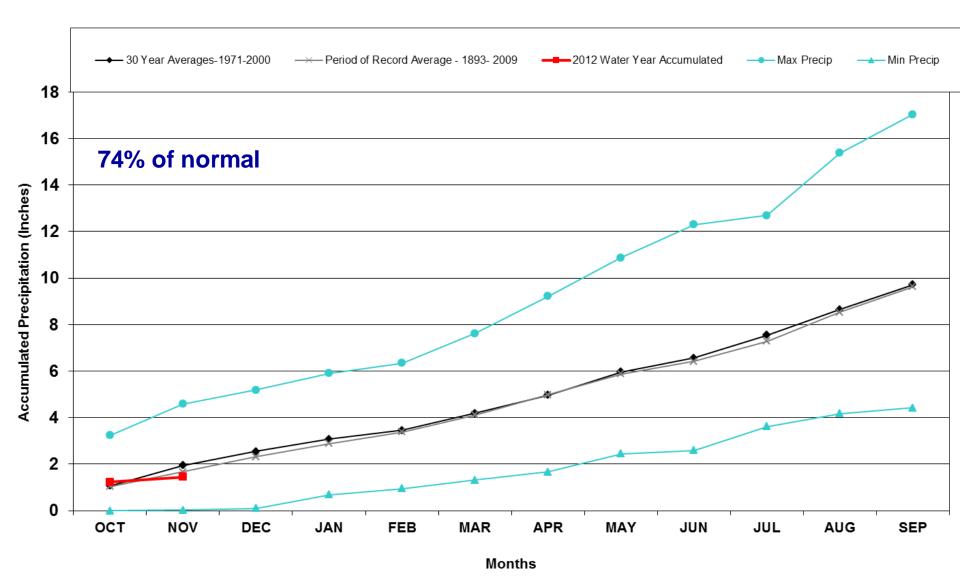
Division 3 – Montrose

Montrose #2 2011 Water Year



Division 3 – Montrose

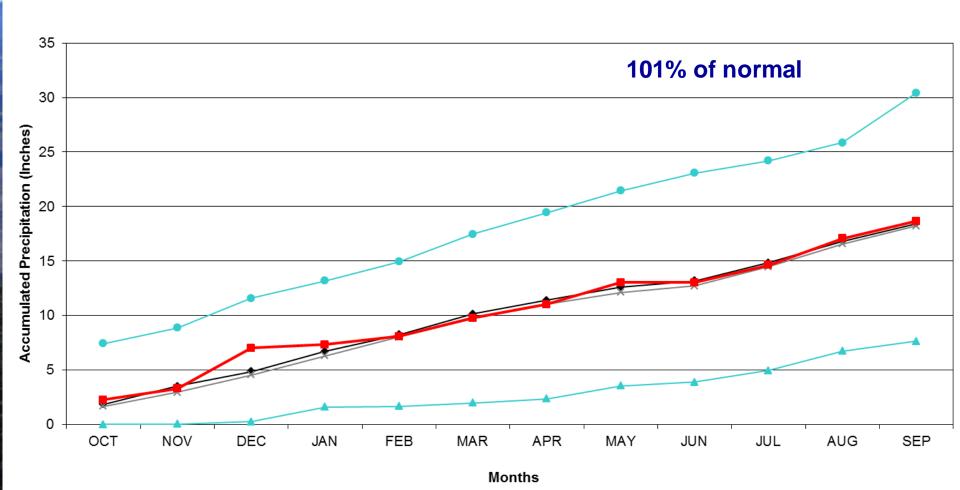
Montrose #2 2012 Water Year



Division 3 – Mesa Verde NP

Mesa Verde NP 2011 Water Year

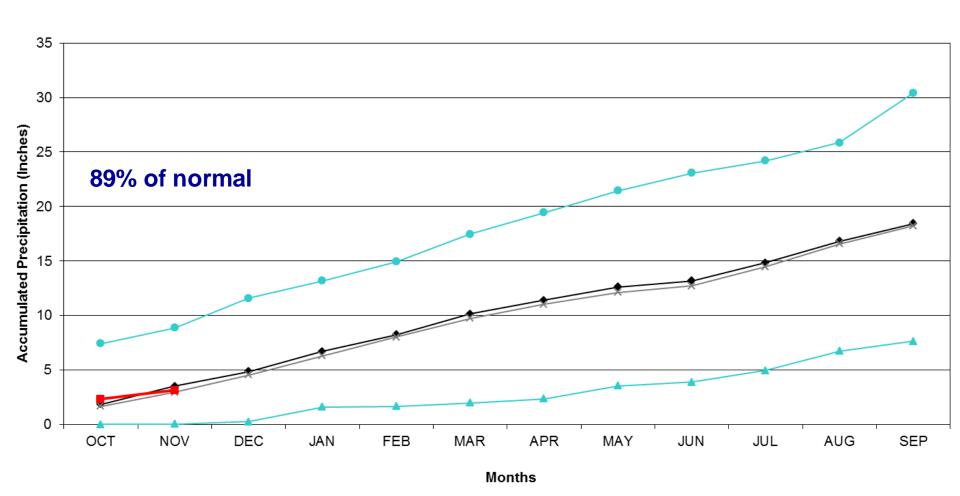




Division 3 – Mesa Verde NP

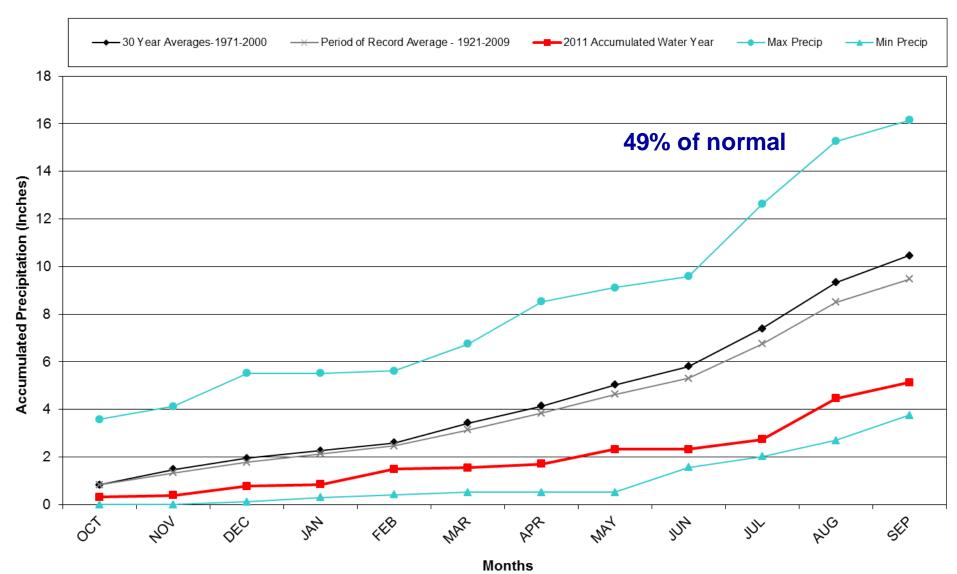
Mesa Verde NP 2012 Water Year





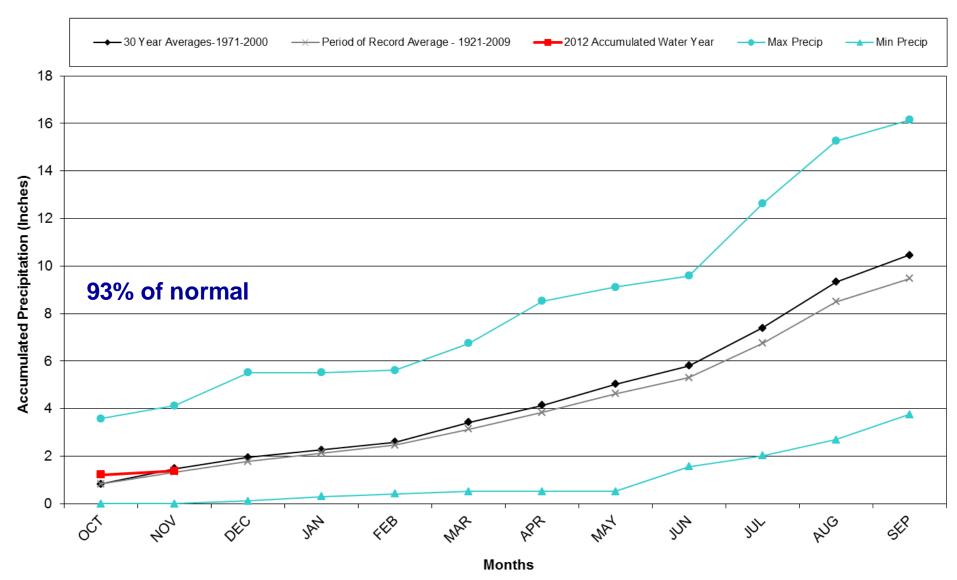
Division 4 – Del Norte

Del Norte 2011 Water Year



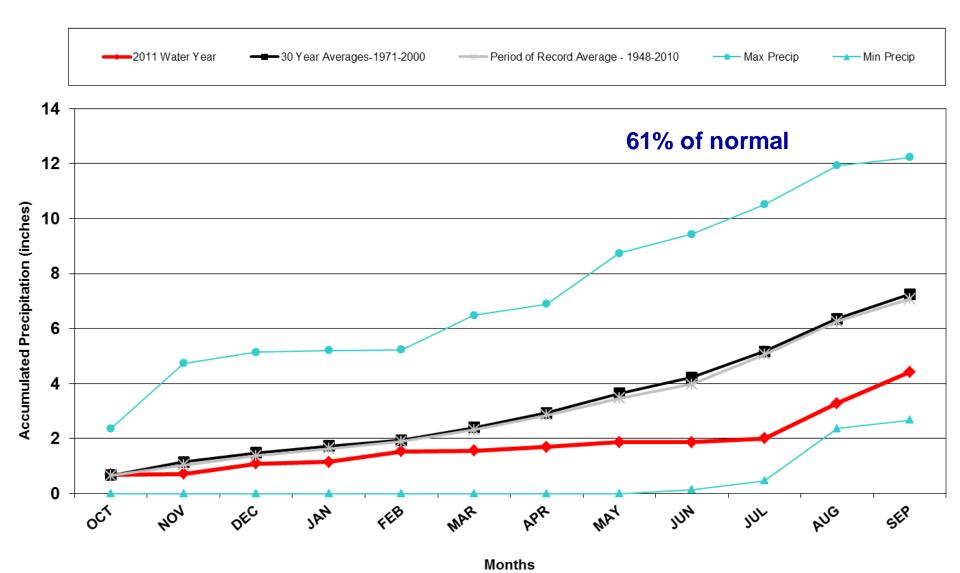
Division 4 – Del Norte

Del Norte 2012 Water Year



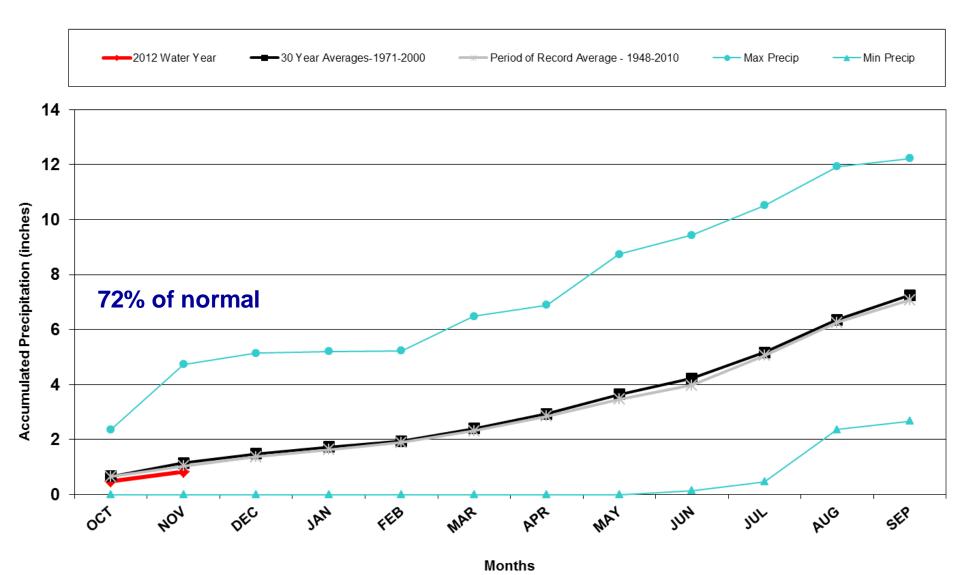
Division 4 – Alamosa

Alamosa 2011 Water Year



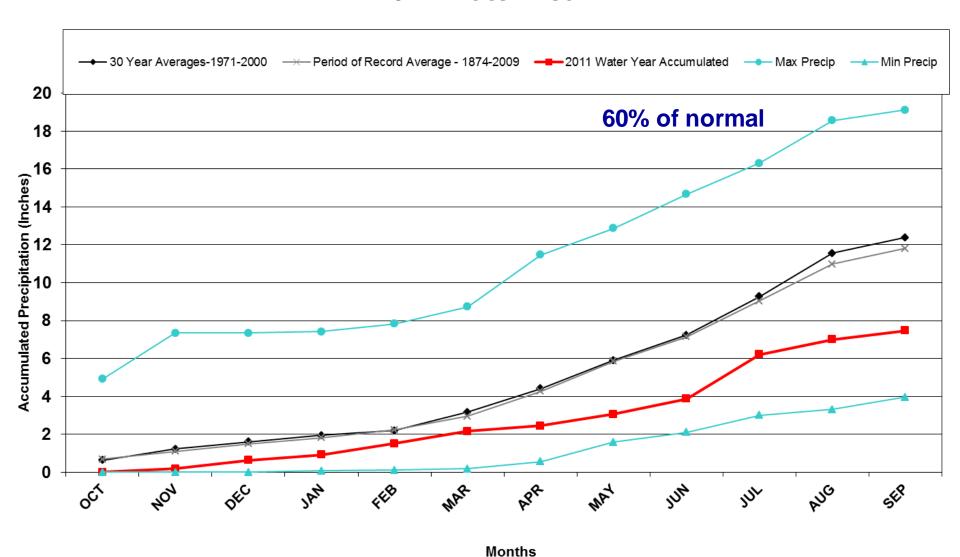
Division 4 – Alamosa

Alamosa WSO 2012 Water Year



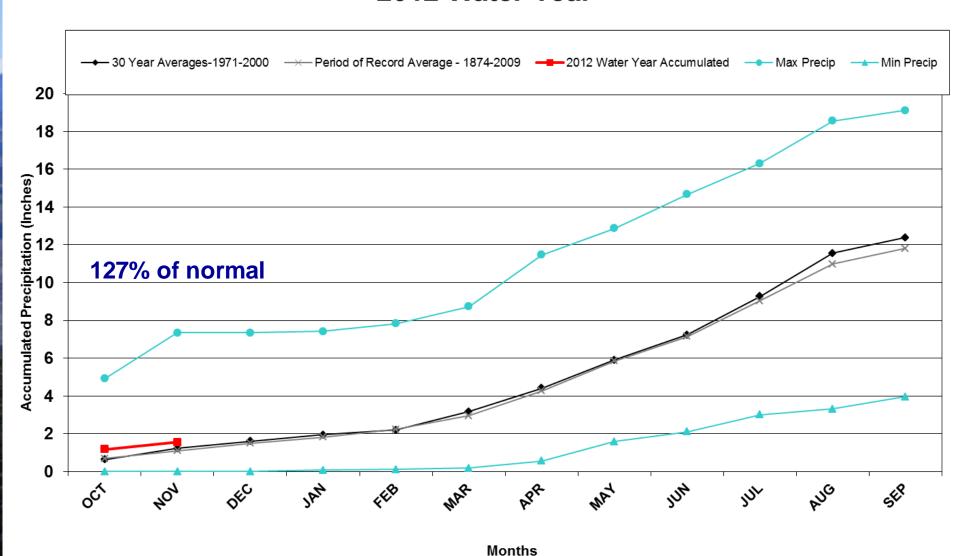
Division 5 – Pueblo

Pueblo WSO 2011 Water Year



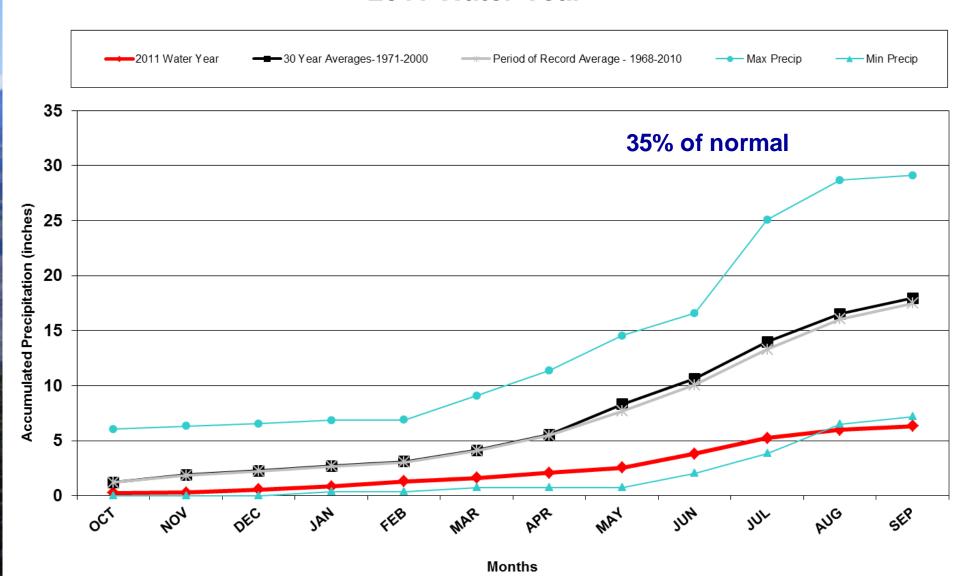
Division 5 – Pueblo

Pueblo WSO 2012 Water Year



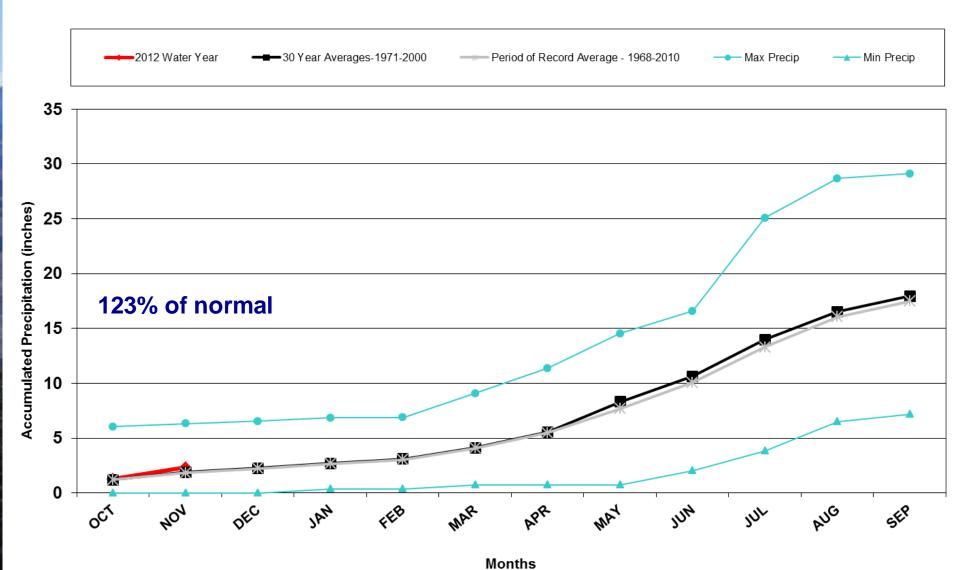
Division 6 - Walsh

Walsh 2011 Water Year



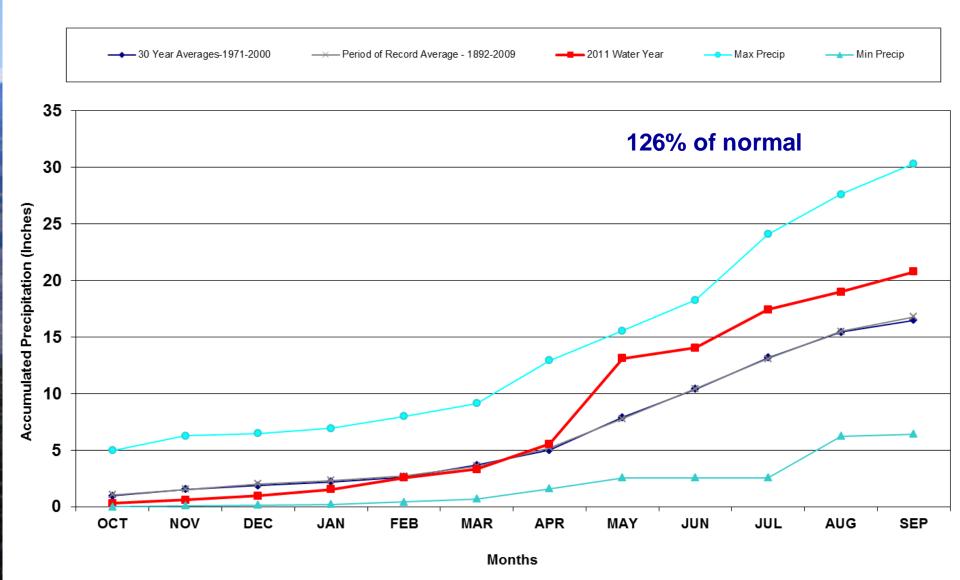
Division 6 - Walsh

Walsh 2012 Water Year



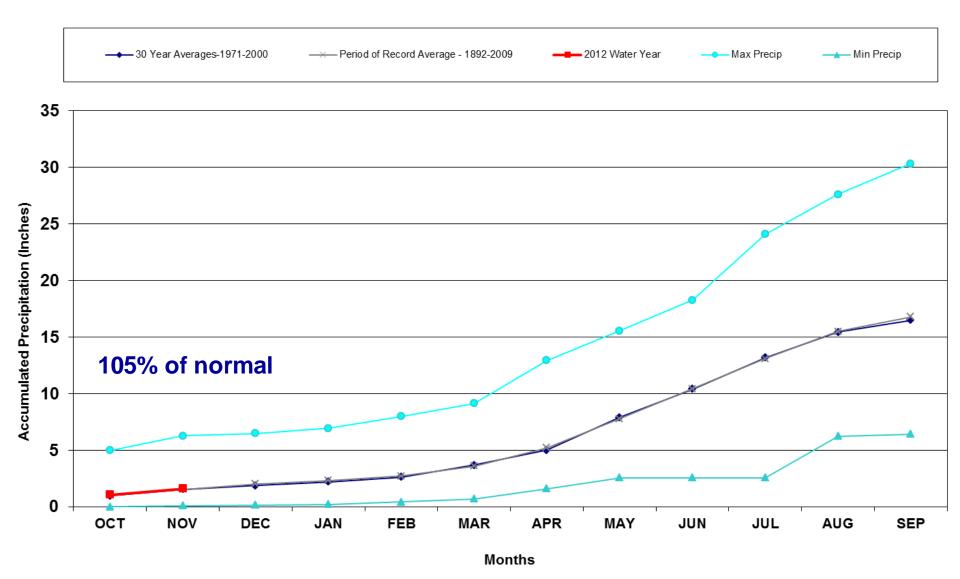
Division 6 - Burlington

Burlington 2011 Water Year



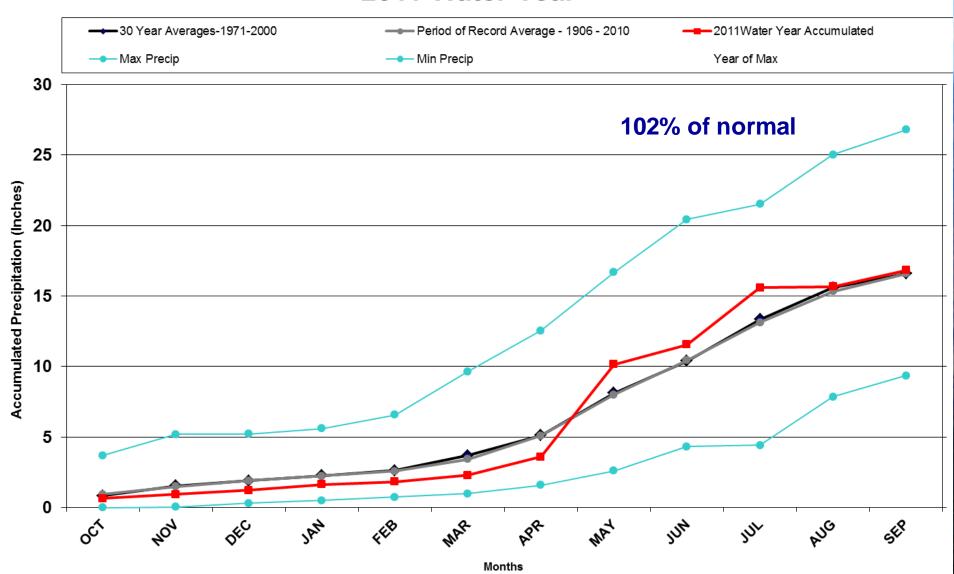
Division 6 - Burlington

Burlington 2012 Water Year



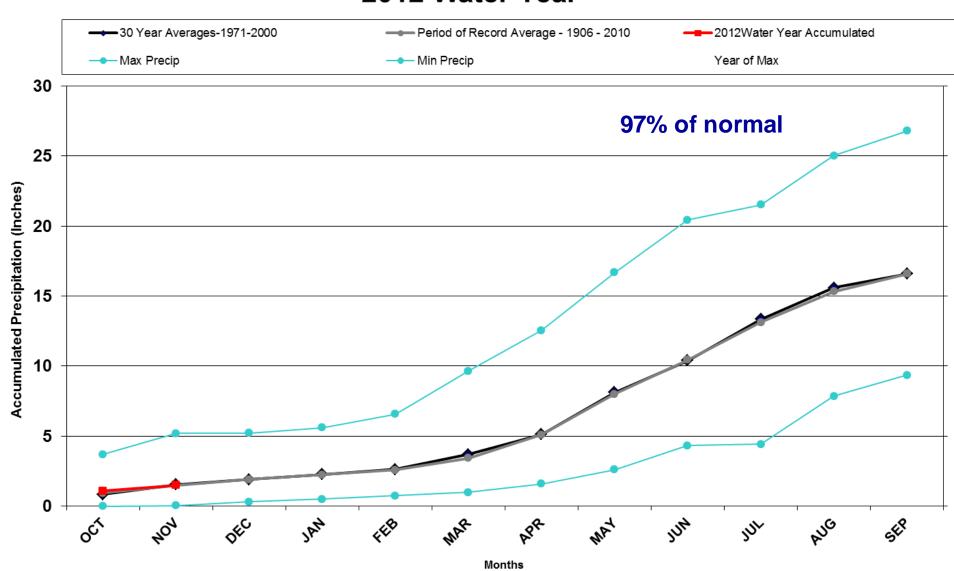
Division 7 — Akron

Akron 4E 2011 Water Year



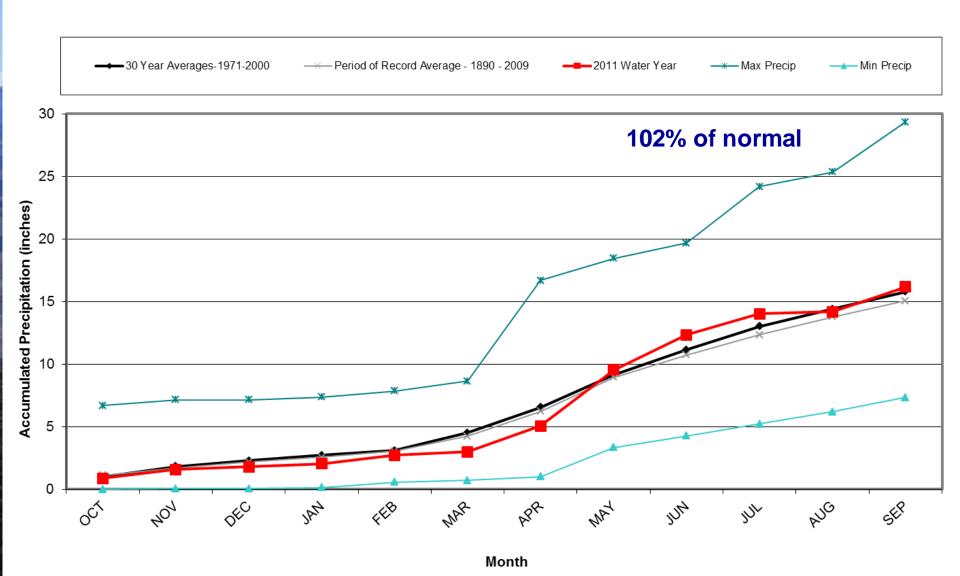
Division 7 – Akron

Akron 4E 2012 Water Year



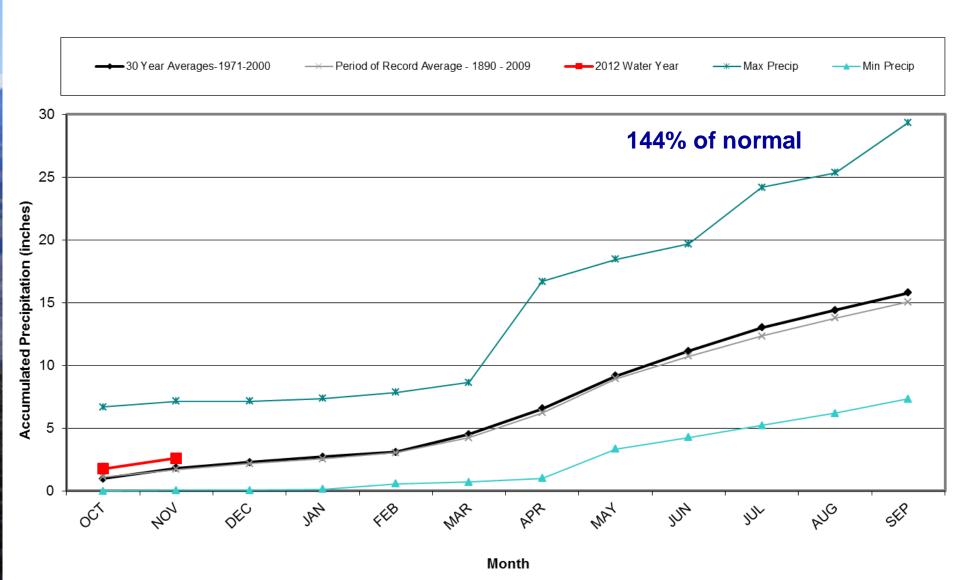
Division 8 – Fort Collins

Fort Collins 2011 Water Year



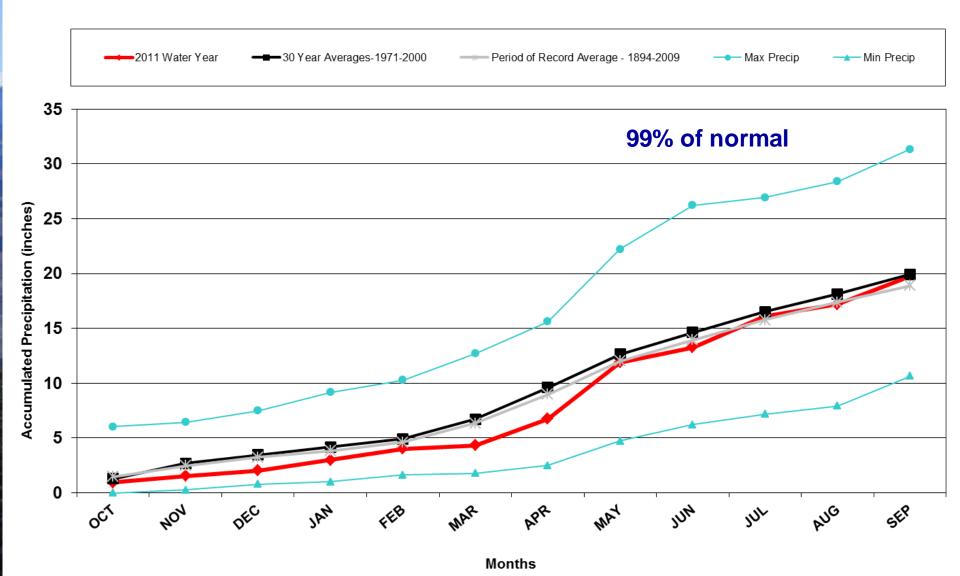
Division 8 – Fort Collins

Fort Collins 2012 Water Year



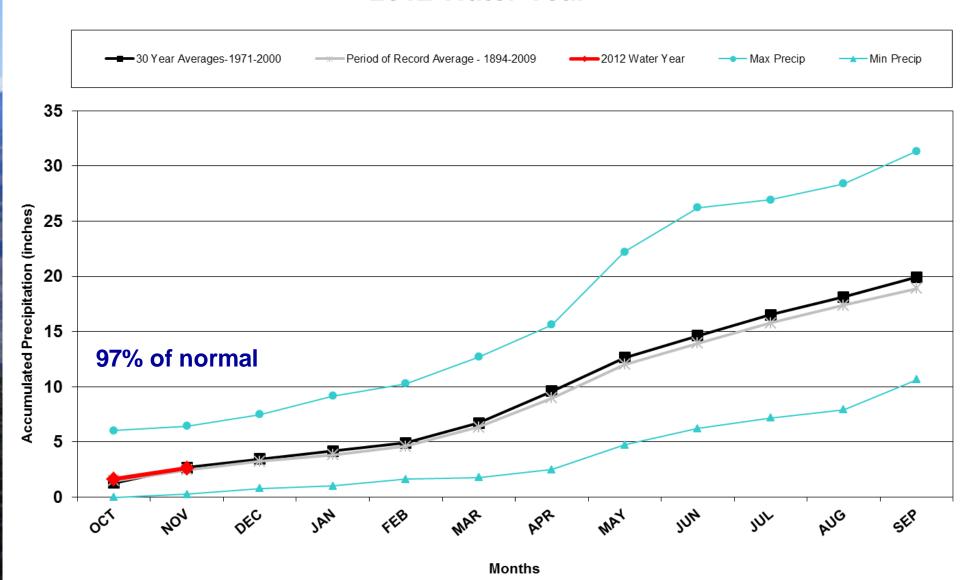
Division 8 - Boulder

Boulder 2011 Water Year



Division 8 - Boulder

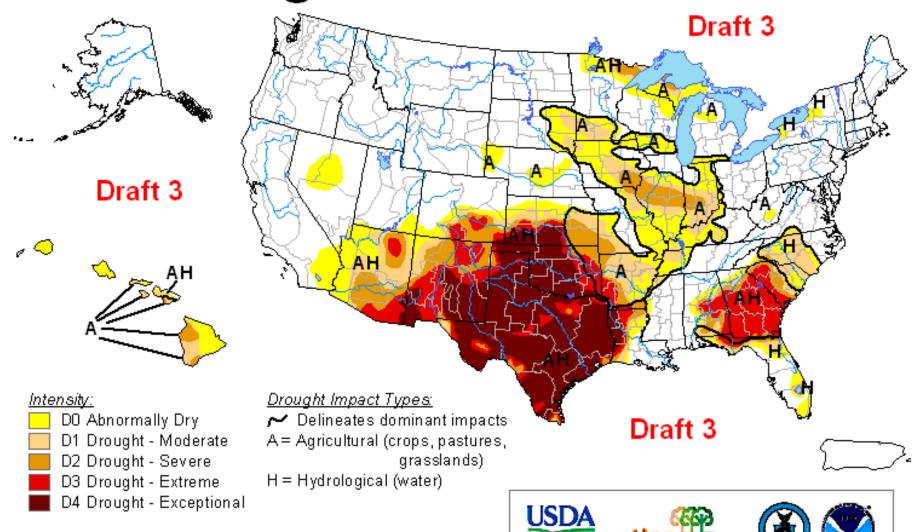
Boulder 2012 Water Year



U.S. Drought Monitor

September 20, 2011

Valid 8 a.m. EDT



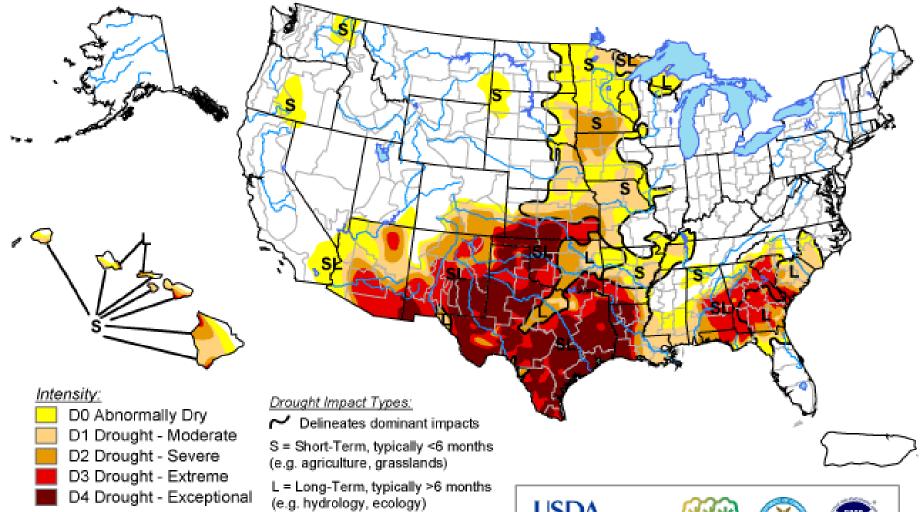
The Drought Monitor focuses on broad-scale conditions.

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

Released Thursday, September 22, 2011
Author: Michael Brewer/Liz Love-Brotak, NOAA/NESDIS/NCDC

U.S. Drought Monitor

November 15, 2011



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

http://droughtmonitor.unl.edu/

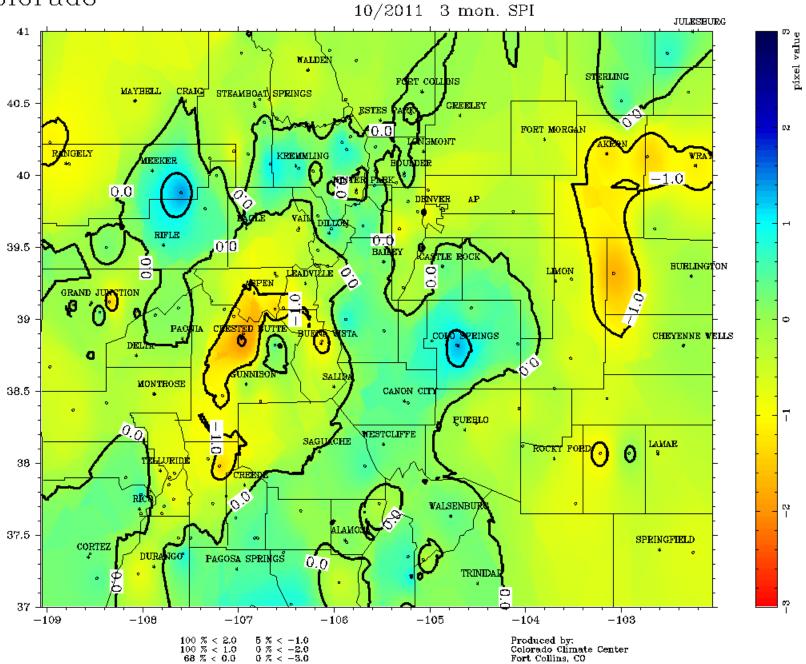




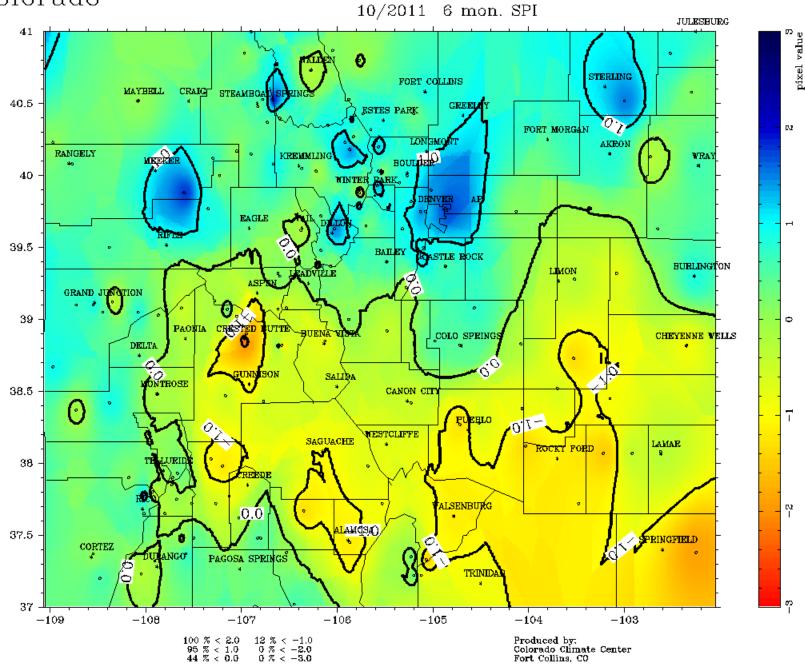




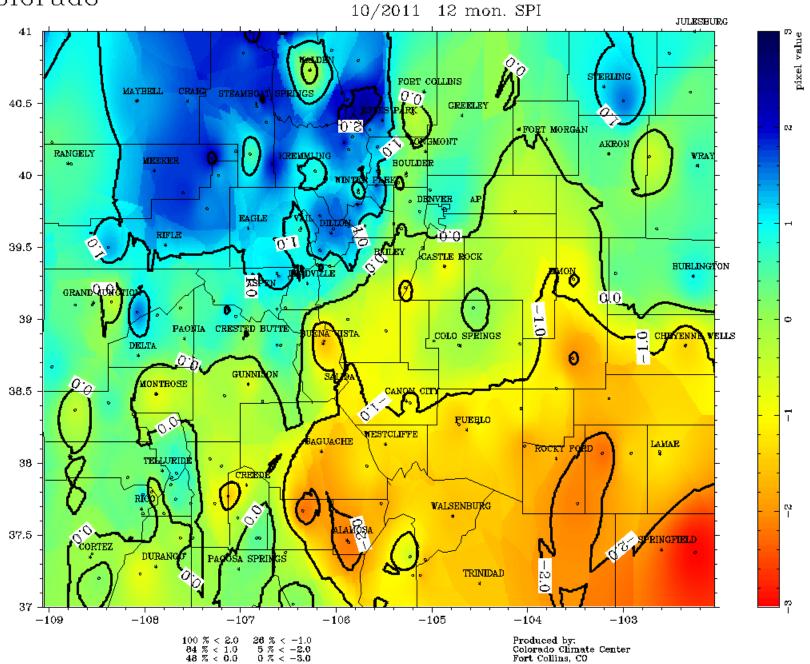
Released Thursday, November 17, 2011 Author: Anthony Artusa, NOAA/NWS/NCEP/CPC Colorado



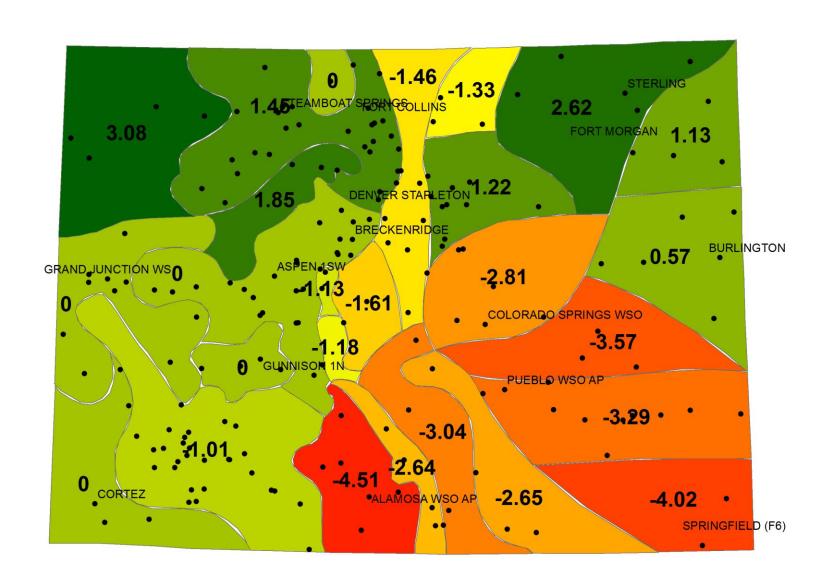
Colorado



Colorado



Preliminary Modified Palmer Drought Severity Index for Colorado October 2011



eModis VegDRI: 11/13/11

