



Climate Update

Nolan Doesken Colorado Climate Center

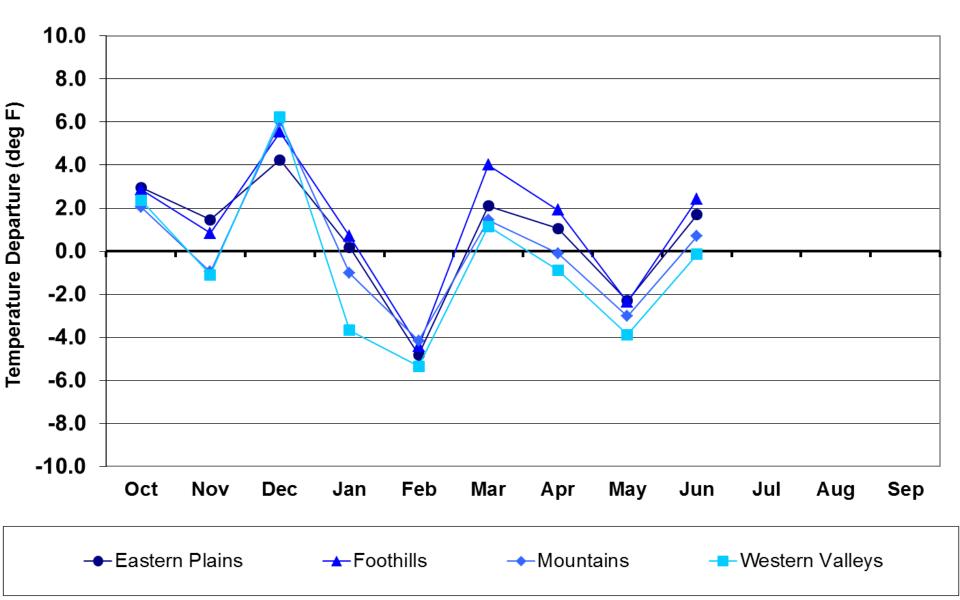
Atmospheric Science Department Colorado State University

> Presented to Water Availability Task Force July 14th, 2011 Denver, CO

> > Prepared by Wendy Ryan

Water Year 2011 Temperature Departures

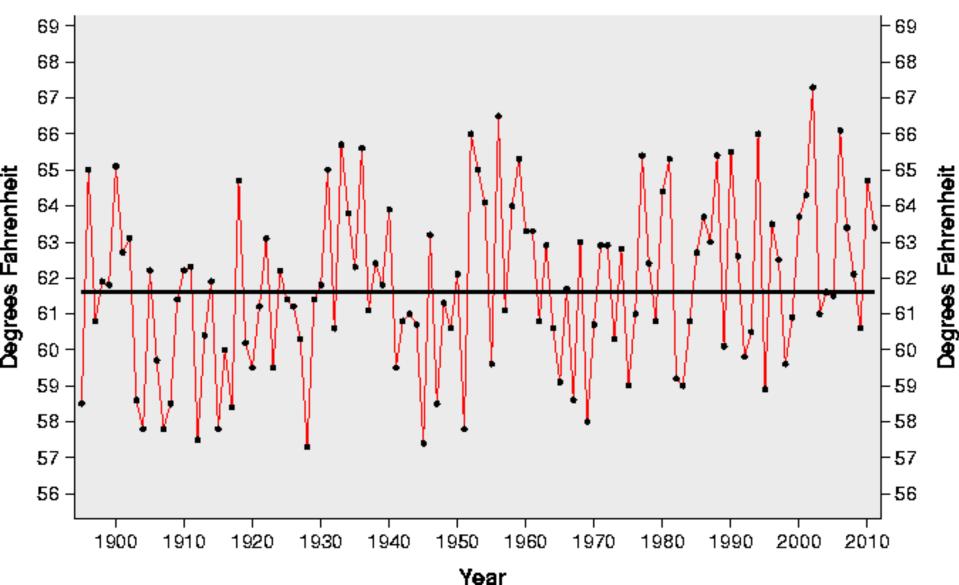
Water Year 2011



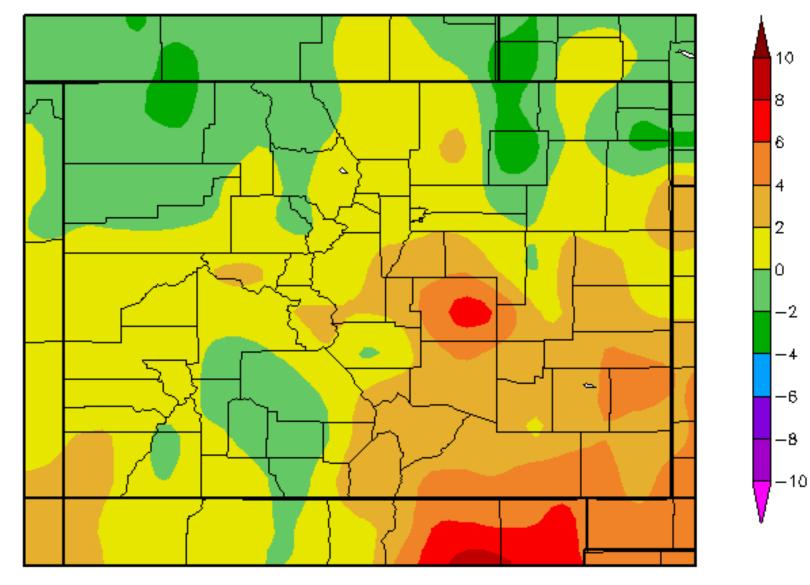
June Average Temperature History for Colorado (NCDC)

Actual Temperature Average Temperature

63.4 Degrees ranks 28th warmest for the period (1895-2011)



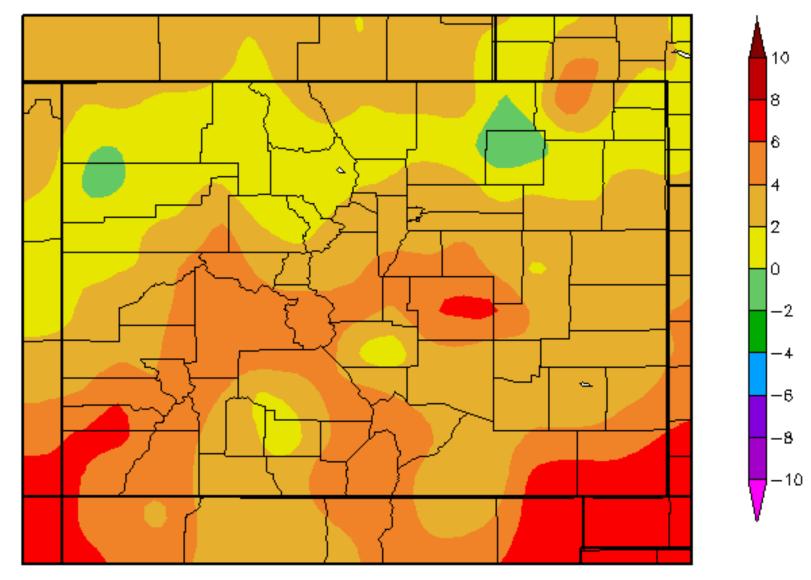
Departure from Normal Temperature (F) 6/1/2011 - 6/30/2011



Generated 7/11/2011 at HPRCC using provisional data.

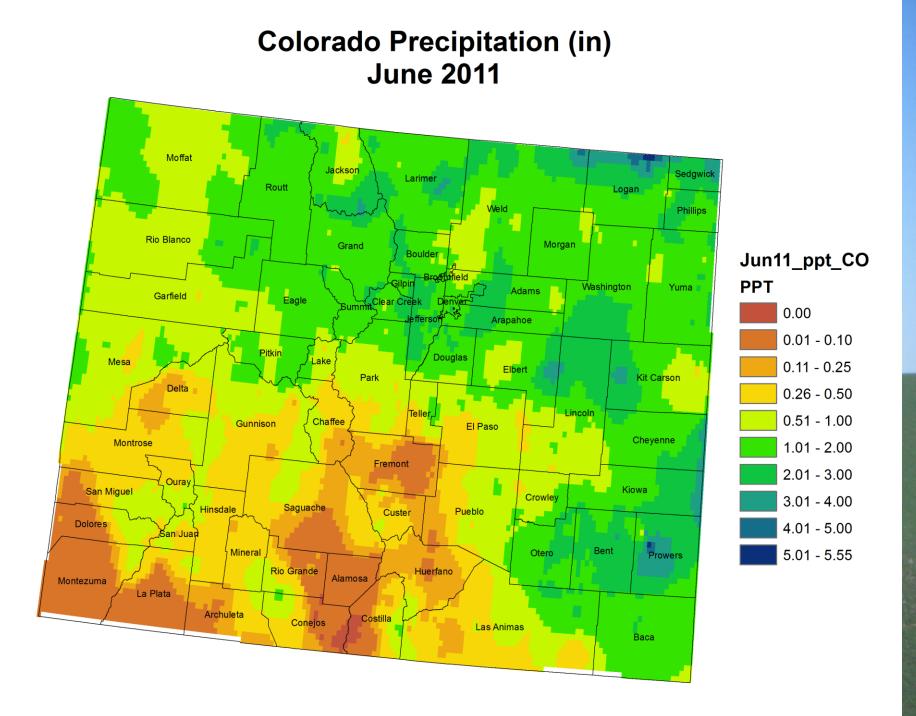
Regional Climate Centers

Departure from Normal Temperature (F) 7/1/2011 - 7/10/2011

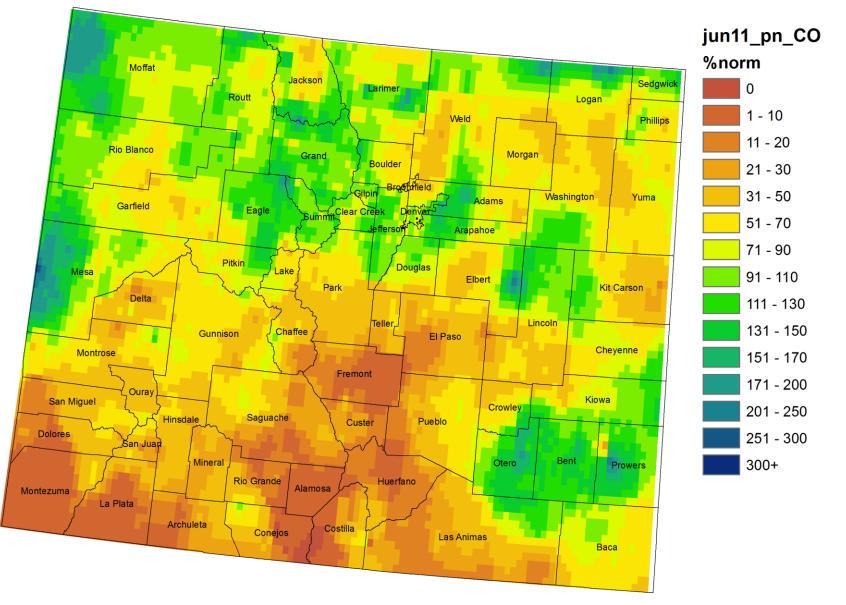


Generated 7/11/2011 at HPRCC using provisional data.

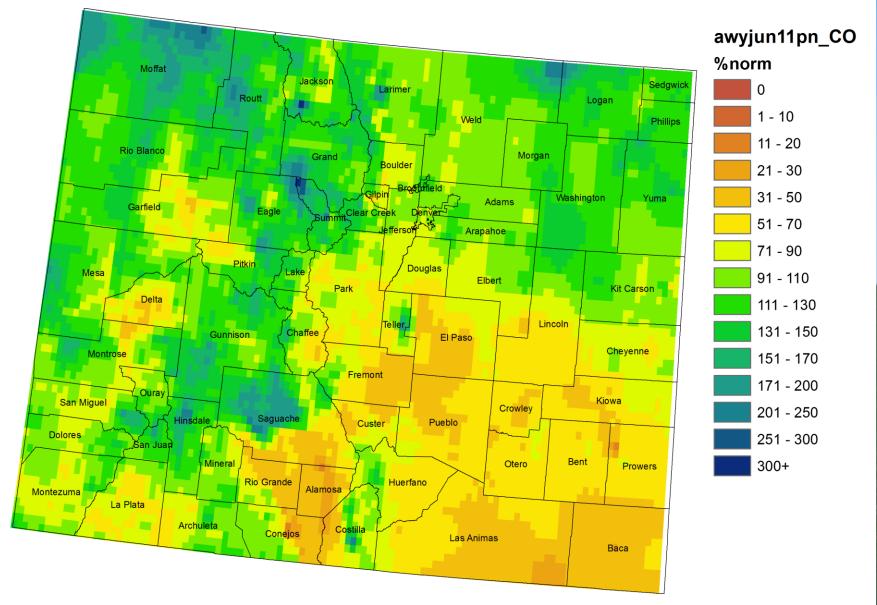
Regional Climate Centers

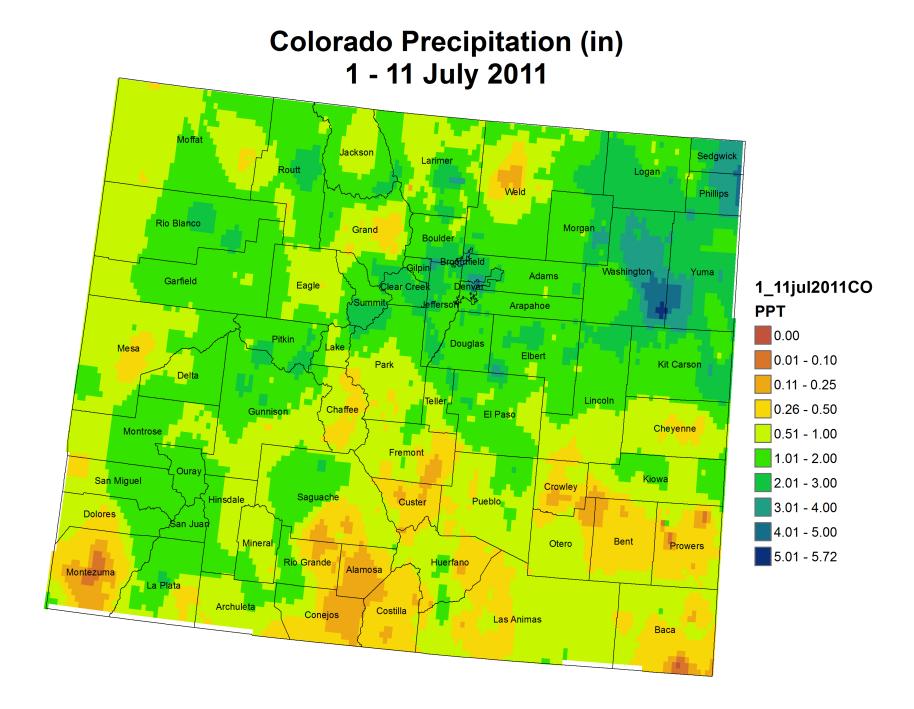


Colorado Precipitation as Percentage of Normal June 2011

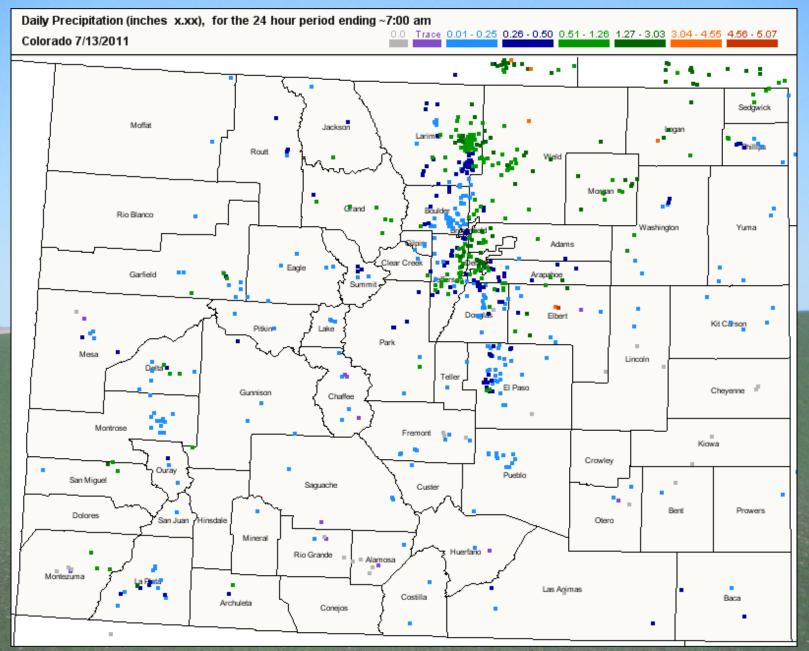


Colorado Water Year 2011 Precipitation as Percentage of Normal October 2010 - June 2011

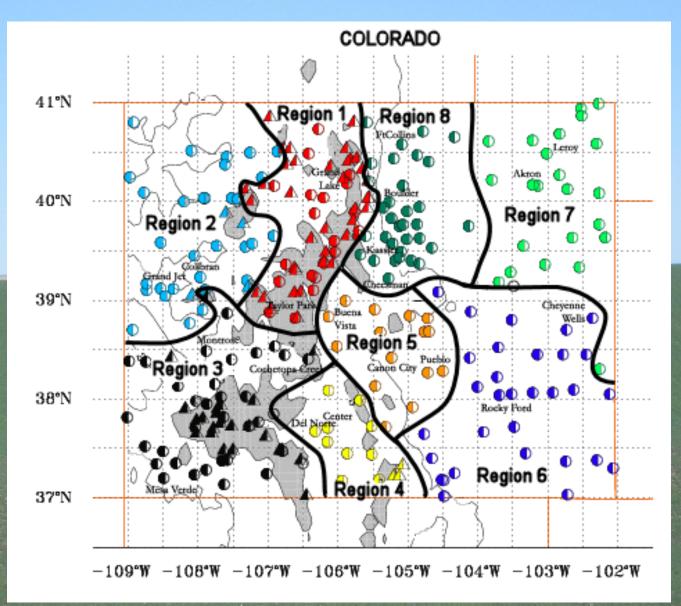




13 July 11 CoCoRaHS

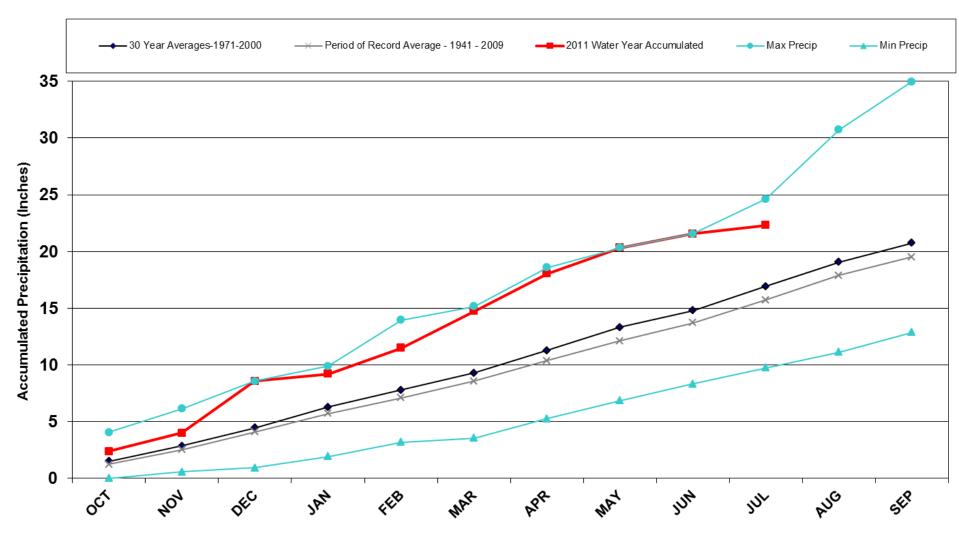


Climate divisions defined by Dr. Klaus Wolter of NOAA's Climate Diagnostic Center in Boulder, CO



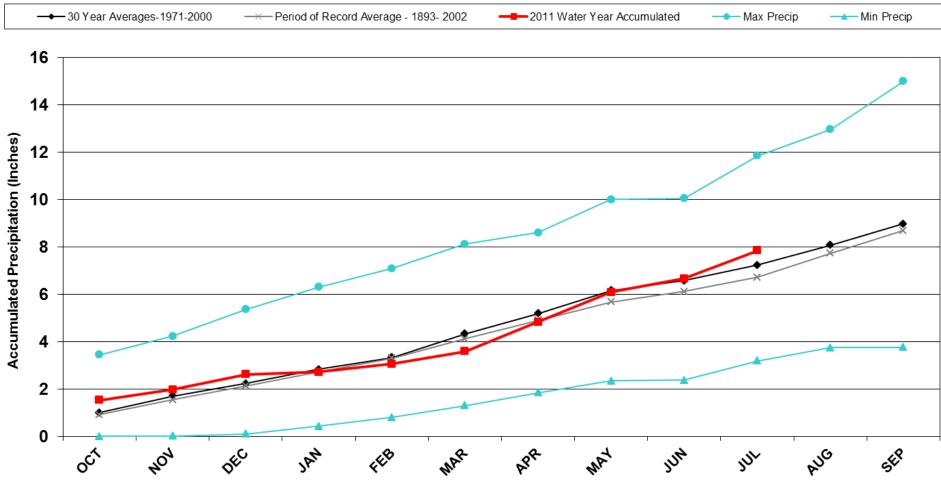
Division 1 – Grand Lake 1NW

Grand Lake 1 NW 2011 Water Year



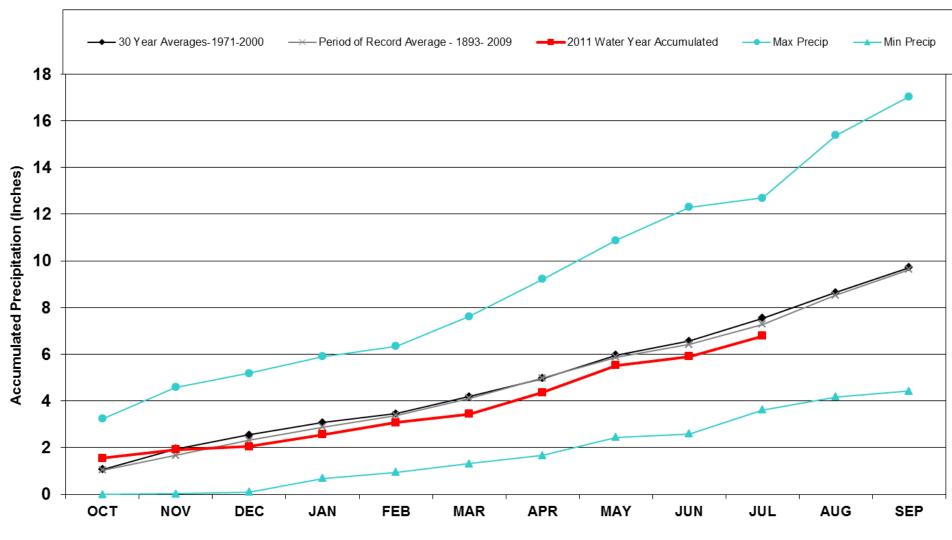
Division 2 – Grand Junction

Grand Junction WSFO 2011 Water Year



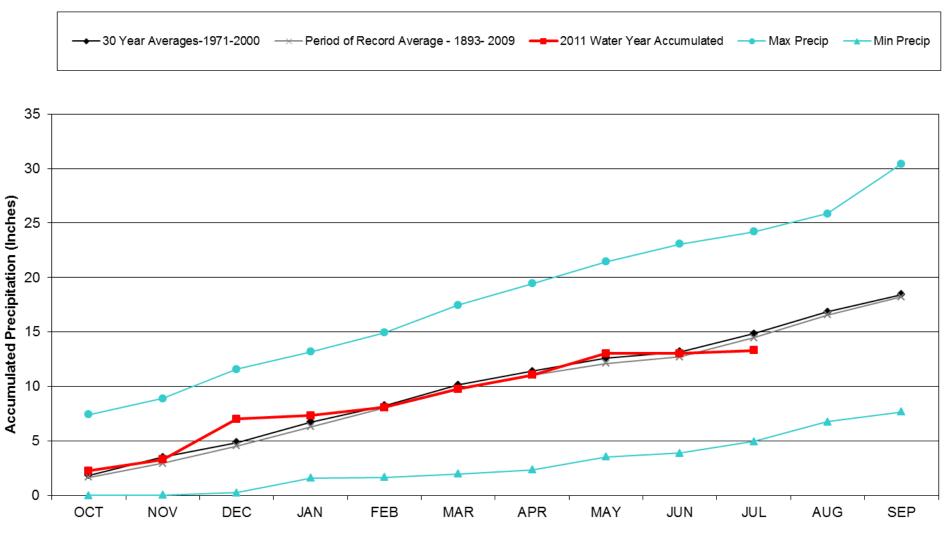
Division 3 – Montrose

Montrose #2 2011 Water Year



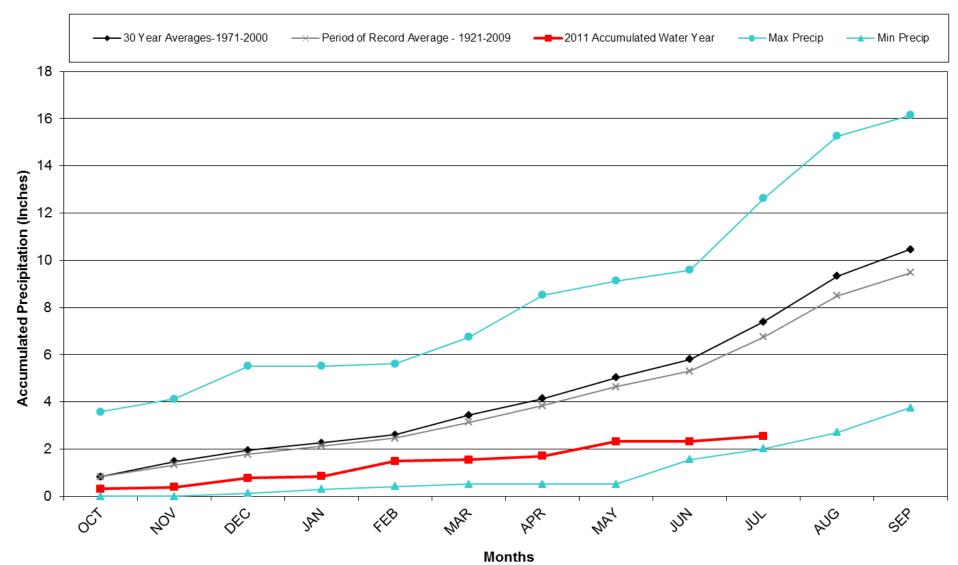
Division 3 – Mesa Verde NP

Mesa Verde NP 2011 Water Year



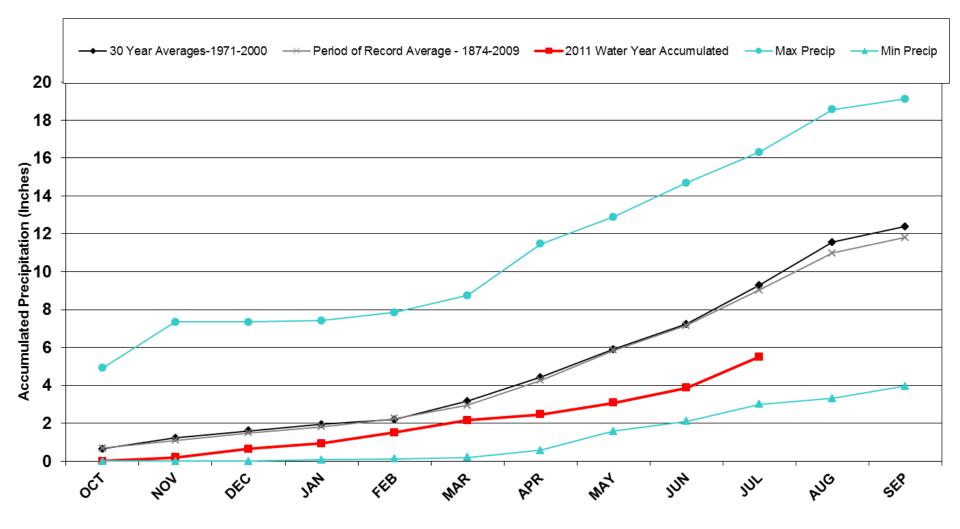
Division 4 – Del Norte

Del Norte 2011 Water Year



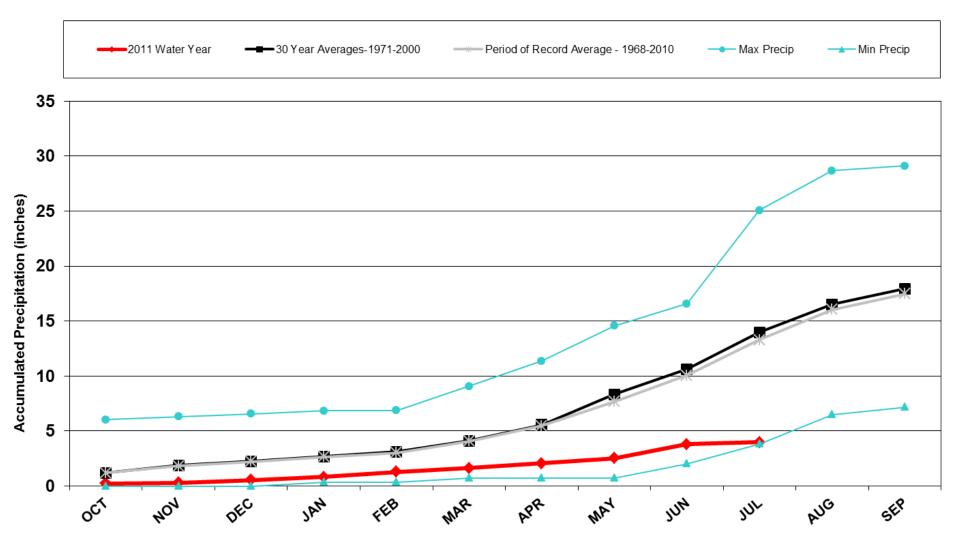
Division 5 – Pueblo

Pueblo WSO 2011 Water Year



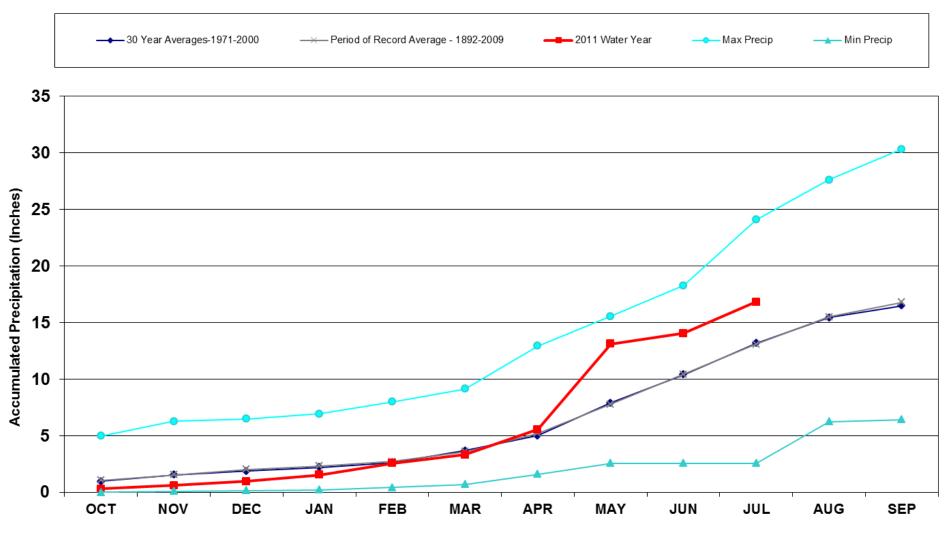
Division 6 - Walsh

Walsh 2011 Water Year



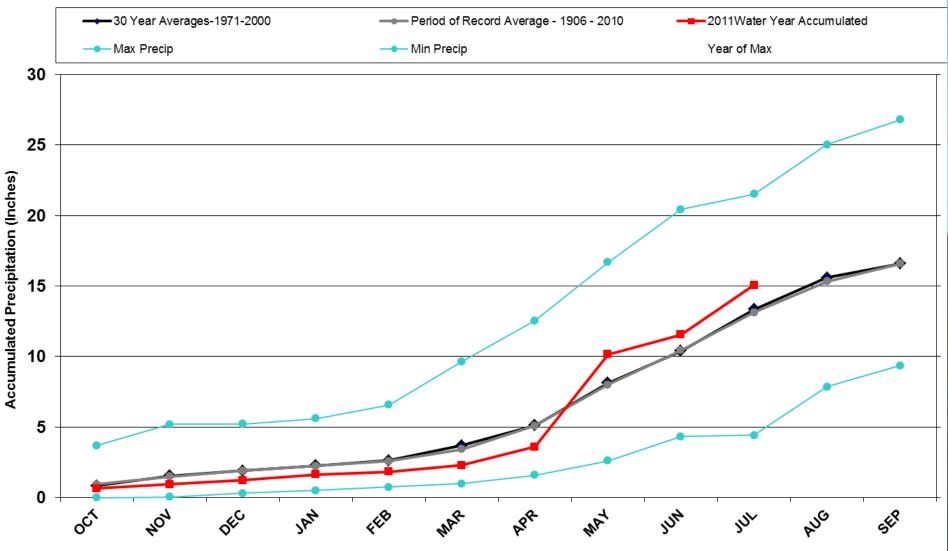
Division 6 - Burlington

Burlington 2011 Water Year



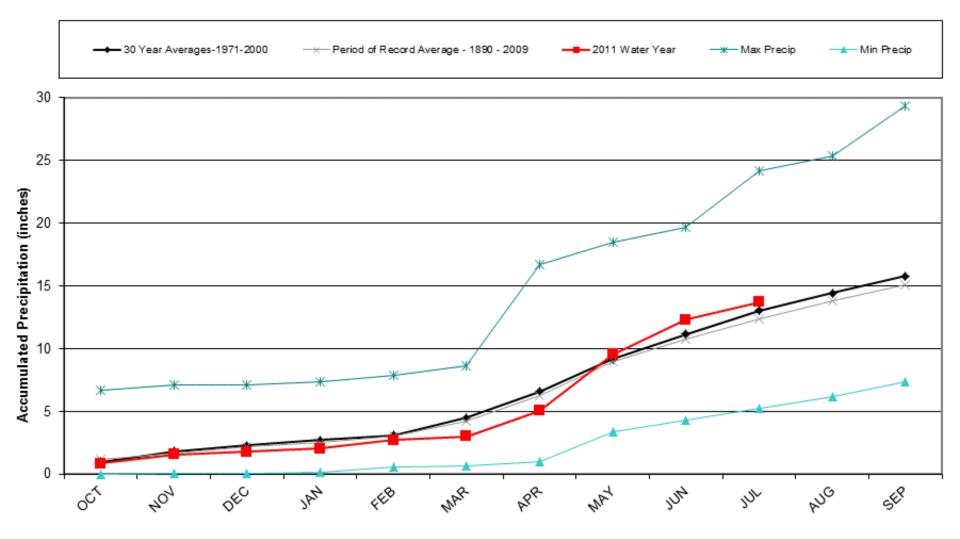
Division 7 – Akron

Akron 4E 2011 Water Year



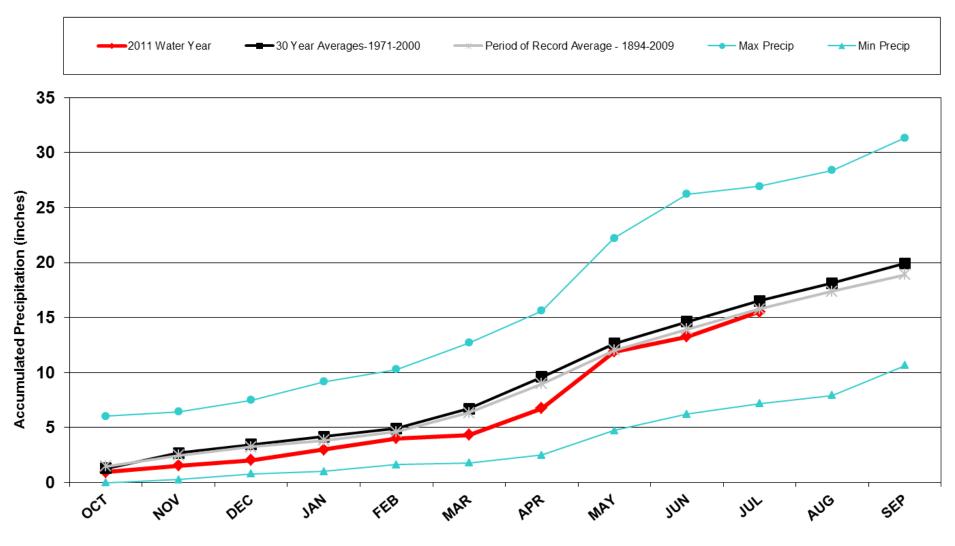
Division 8 – Fort Collins

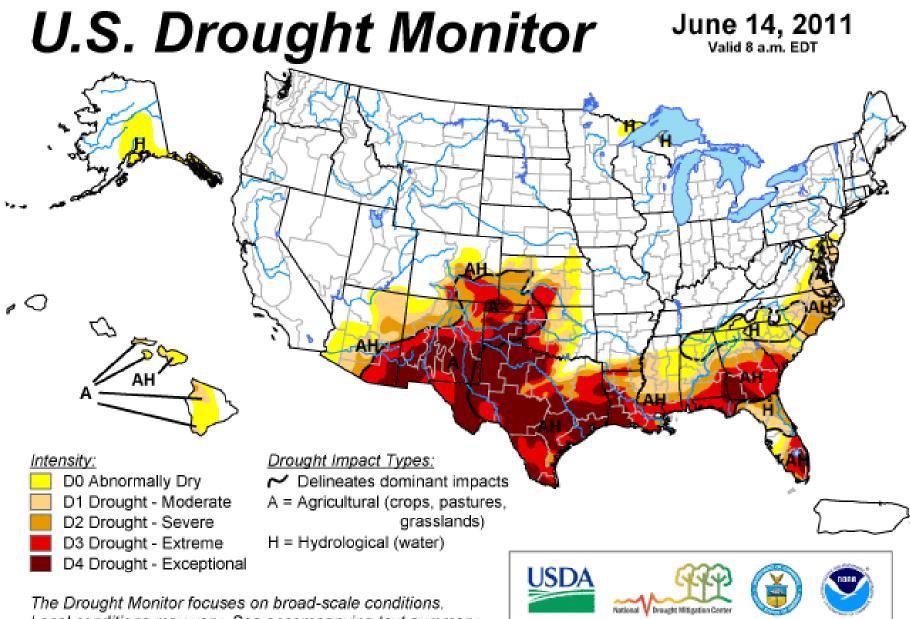
Fort Collins 2011 Water Year



Division 8 - Boulder

Boulder 2011 Water Year

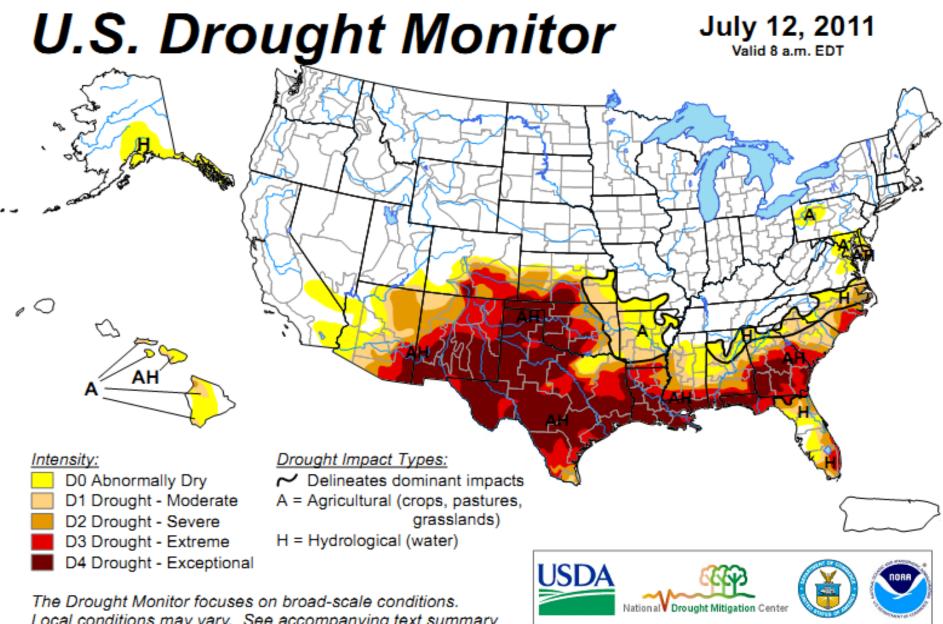




The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

http://drought.unl.edu/dm

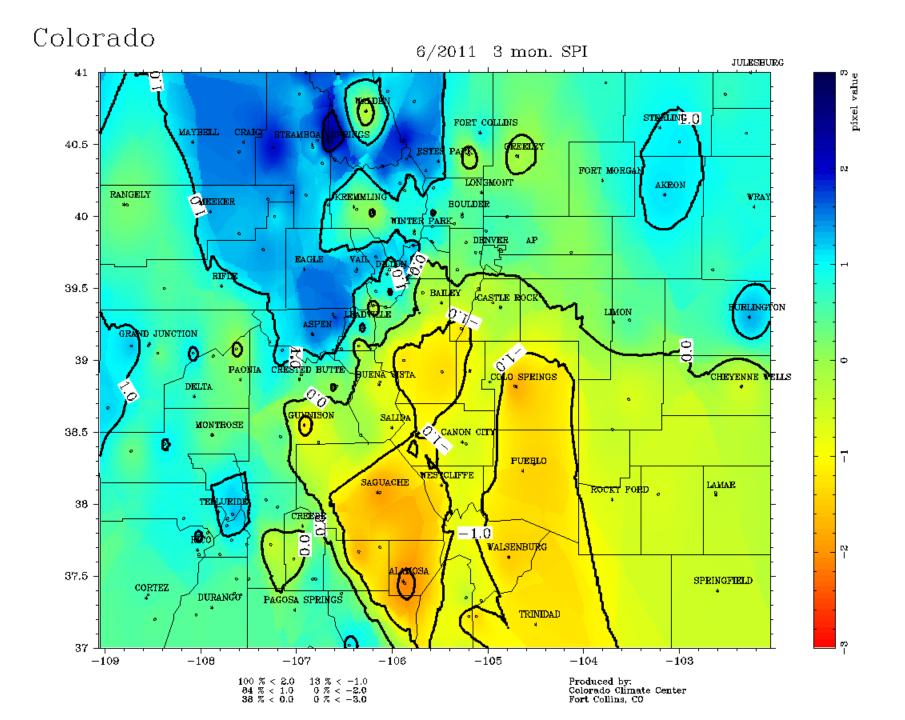
Released Thursday, June 16, 2011 Author: Brian Fuchs, National Drought Mitigation Center

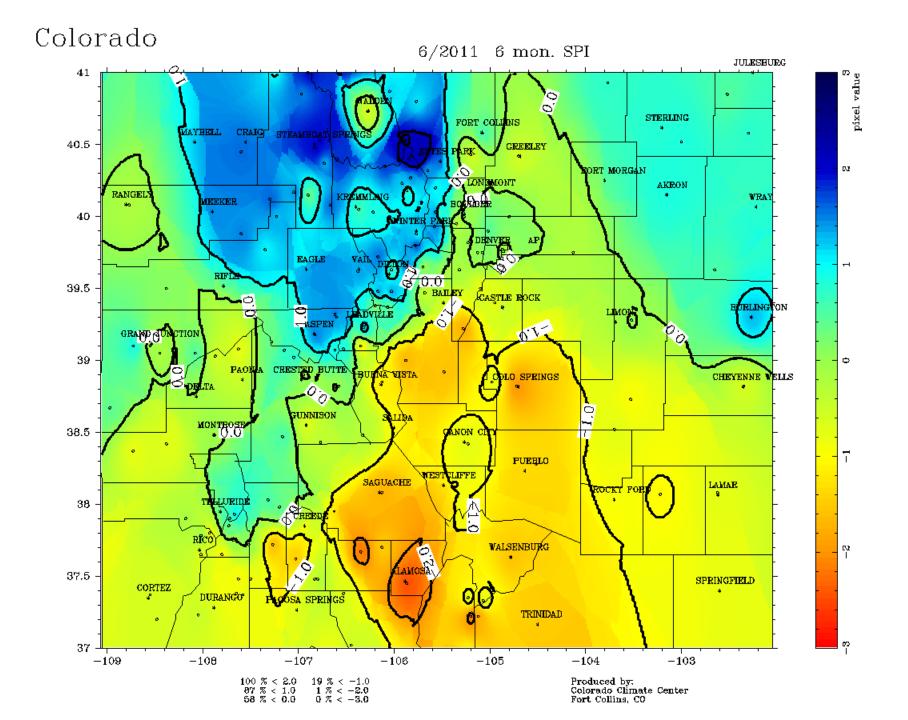


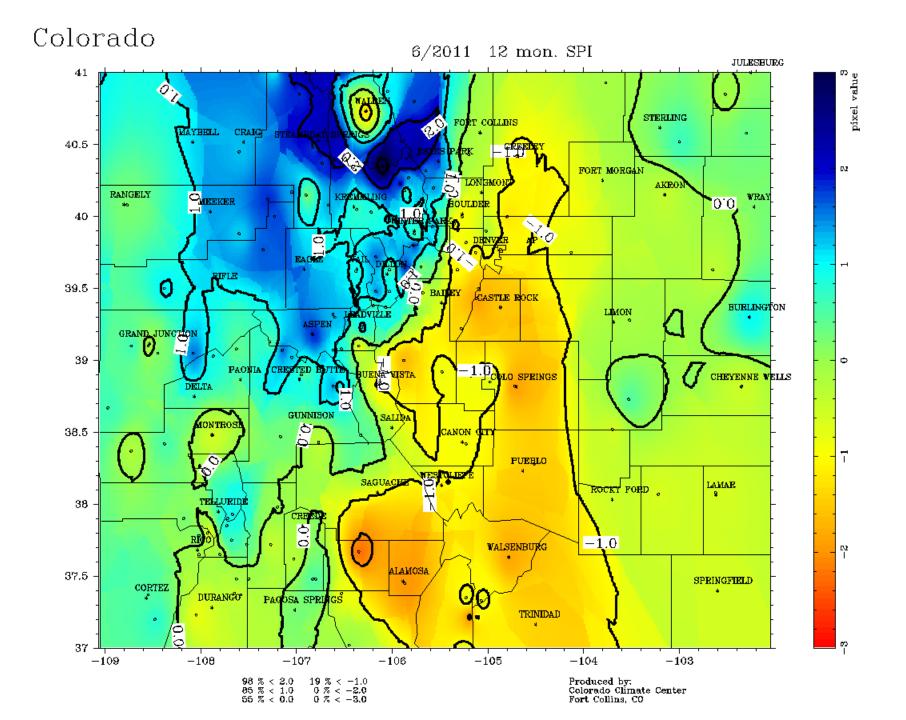
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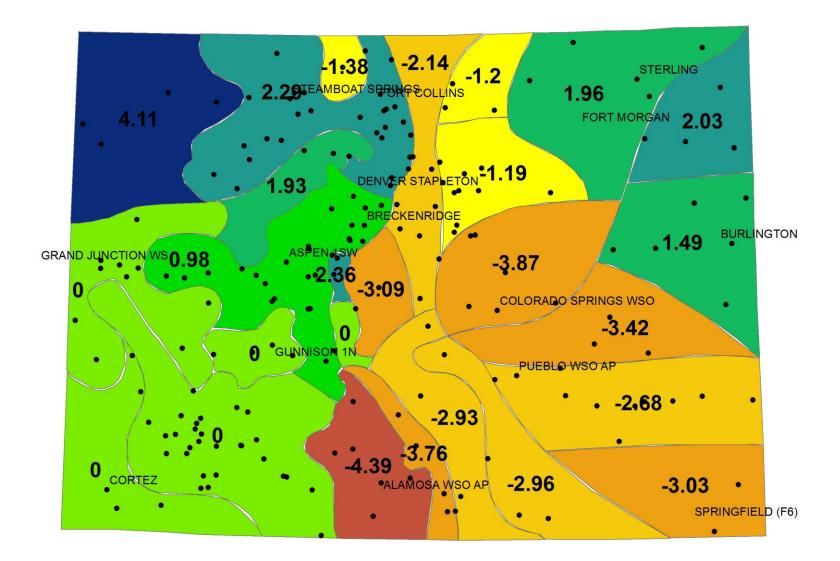
Released Thursday, July 14, 2011 Author: David Miskus, NOAA/NWS/NCEP/CPC



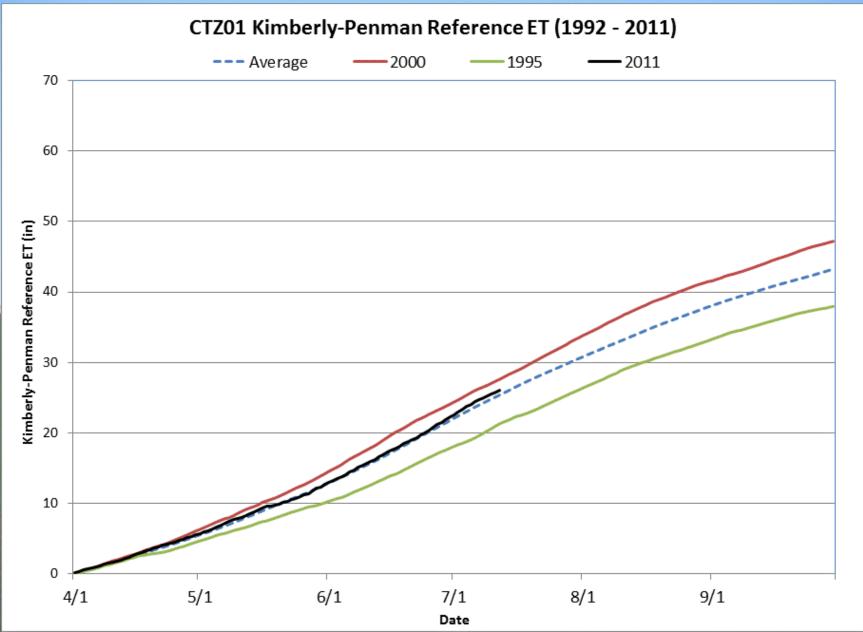




Preliminary Modified Palmer Drought Severity Index for Colorado June 2011

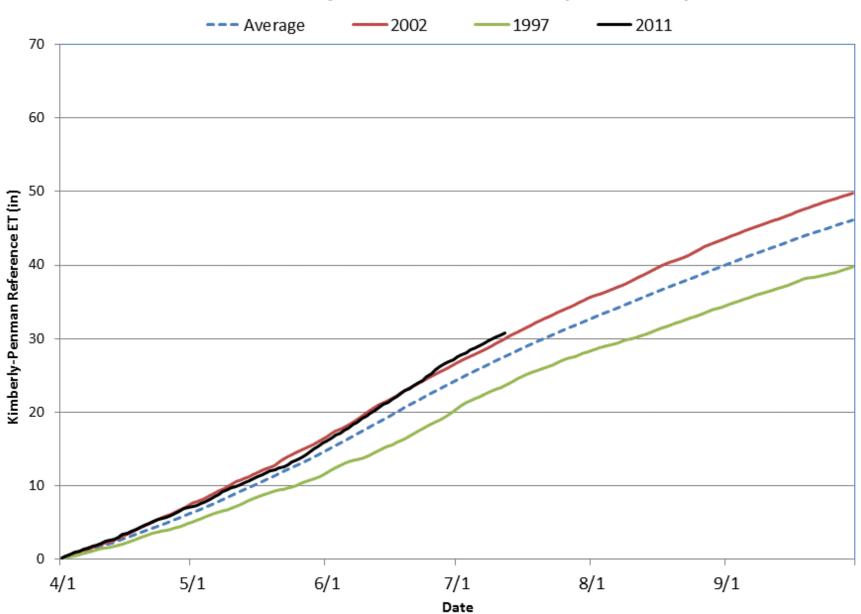


Cortez Reference ET



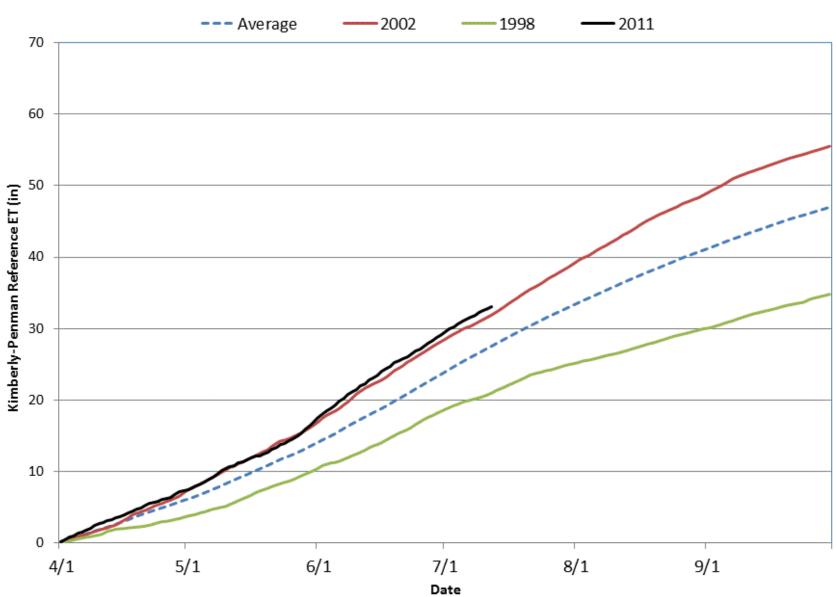
Center Reference ET

CTR01 Kimberly-Penman Reference ET (1994 - 2011)



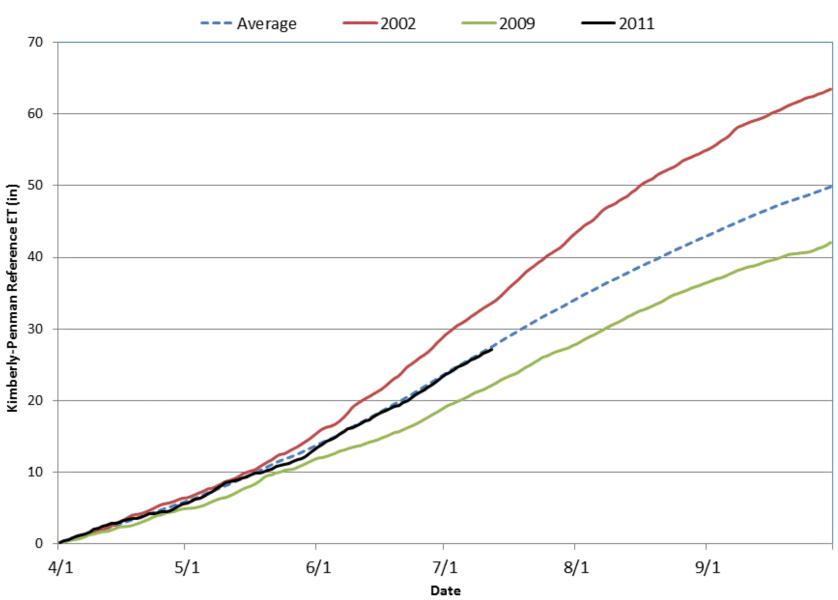
Avondale Reference ET

AVN01 Kimberly-Penman Reference ET (1993 - 2011)



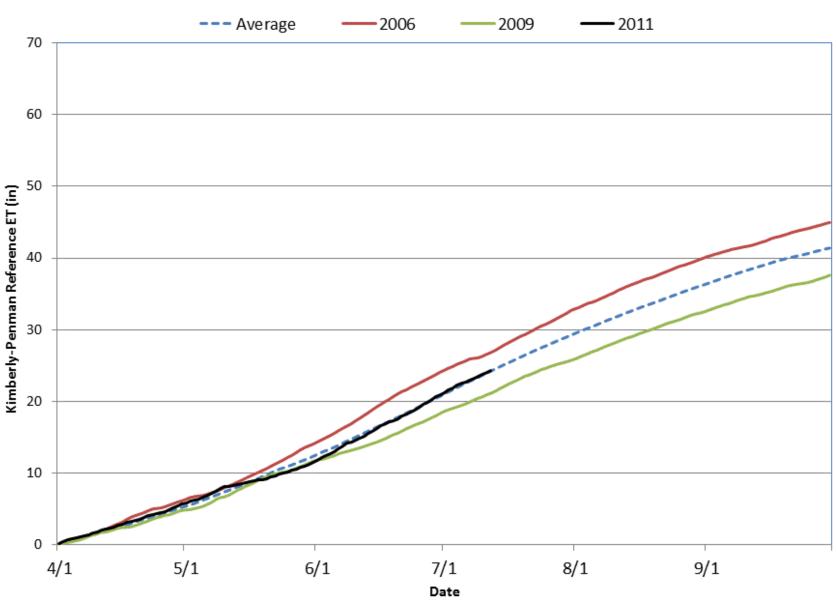
Idalia Reference ET

IDL01 Kimberly-Penman Reference ET (1992 - 2011)



Lucerne Reference ET

LCN01 Kimberly-Penman Reference ET (1992 - 2011)



Colorado Climate Center





Data and Power Point Presentations available for downloading http://ccc.atmos.colostate.edu/droughtpresentations.php