Climate Update

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> Presented to Water Availability Task Force January 22, 2009, CDOW Denver, CO

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A Little Background on our Climate

Colorado Average Annual Precipitation Map



Average Monthly Precipitation along the I-70 Corridor

Water Year Average Precipitation for Selected Stations in the I-70 Transect



Average Monthly Precipitation along the I-70 Corridor



Wrapping Up the 2008 Water Year

Water Year 2008 Temperature Departures

Water Year 2008





August 2008 Precipitation Percent of Average





September 2008 Precipitation Percent of Average



Water Year 2008 Precipitation Percent of Average



2009 Water Year Is Underway

Water Year 2009 Temperature Departures



December Average Temperature History for Colorado (NCDC)





October 2008 Percent Normal Precipitation





November 2008 Percent of Normal Precipitation





December 2008 Precipitation Percent of Average



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



Division 1– Grand Lake 1NW

Grand Lake 1 NW 2009 Water Year



Division 2 – Grand Junction

Grand Junction WSFO 2009 Water Year



Division 3 – Montrose

Montrose #2 2009 Water Year



Division 3 – Cochetopa Creek

Cochetopa Creek 2009 Water Year



Division 4 - Center

Center 4SSW 2009 Water Year



Division 5 – Buena Vista

Buena Vista 2009 Water Year





Division 7 – Akron







Division 8 – Kassler





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

Released Thursday, January 15, 2009 Author: Laura Edwards, Western Regional Climate Center

http://drought.unl.edu/dm

Colorado

12/2008 3 mon. SPI



Colorado

12/2008 12 mon. SPI



January 1st - 21st, 2009 Precipitation



January 1st - 21st, 2009 Precipitation



Legend

Summary

- WY 2008 precip. varied widely surface water supplies good
- August and October 2008 precip. helped eastern plains avert serious drought
- Mild and dry November was followed by cold and stormy December
- Windy, dry January very warm except for cold air trapping in mtn valleys
- Currently OK in mtns; plains tending dry

Summary

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- August and October 2008 precip. helped eastern plains avert serious drought
- Mild and dry November was followed by cold and stormy December
- Windy, dry January very warm except for cold air trapping in mtn. valleys
- Mtn. snow ok; plains tending dry

Colorado Climate Center

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

- click on "Drought"
- then click on "Presentations"

