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

1971-2000 averages
Average Monthly Precipitation along the I-70 Corridor

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

- Loveland Pass
- Georgetown
- Ralston Resvr
- Denver
- Byers
- Burlington
- Limon

1971-2000 averages
Wrapping Up the 2008 Water Year
August 2008 Precipitation

Legend

<table>
<thead>
<tr>
<th>Precip</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00-2.00</td>
<td>Green</td>
</tr>
<tr>
<td>2.01-4.00</td>
<td>Light Green</td>
</tr>
<tr>
<td>4.01-6.00</td>
<td>Medium Green</td>
</tr>
<tr>
<td>6.01-8.00</td>
<td>Blue</td>
</tr>
<tr>
<td>8.01-10.00</td>
<td>Dark Blue</td>
</tr>
<tr>
<td>10.01-12.00</td>
<td>Dark Blue</td>
</tr>
</tbody>
</table>

The map illustrates the precipitation levels across the region for August 2008, with varying shades indicating different precipitation amounts.
September 2008 Precipitation Percent of Average

Legend
sep_08_pa
<VALUE>
- <50
- 50-100
- 100-150
- 150-200
- >200
Water Year 2008 Precipitation Percent of Average

Legend
wy_08_pa
<VALUE>

>70
70-90
90-110
110-130
130-150
>150
2009 Water Year Is Underway
Water Year 2009 Temperature Departures

Water Year 2009 Temperature Departure (deg F)

- Eastern Plains
- Foothills
- Mountains
- Western Valleys
December Average Temperature History for Colorado (NCDC)


December 2008: $T_{\text{mean}} = 23.9$, Rank = 38th Coldest
November 2008 Percent of Normal Precipitation

Nov_08_pa
November Percent Normal
- <50
- 50-100
- 100-150
- 150-200
- >200
December 2008 Precipitation Percent of Average

Legend
- dec_08_pa
- % avg

- Green: <50
- Light Green: 50 - 100
- Light Blue: 100 - 150
- Blue: 150 - 200
- Light Blue: >200
Climate divisions defined by Dr. Klaus Wolter, NOAA's Climate Diagnostic Center, Boulder, CO
Grand Lake 1 NW
2009 Water Year

Accumulated Precipitation (Inches)

Months

OCT  NOV  DEC  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP

30 Year Averages-1971-2000
\(\times\) Period of Record Average - 1941 - 2002
2009 Water Year Accumulated
Max Precip
Min Precip
Grand Junction WSFO
2009 Water Year

- 30 Year Averages-1971-2000
- Period of Record Average - 1893- 2002
- 2009 Water Year Accumulated
- Max Precip
- Min Precip

Accumulated Precipitation (Inches)

Months

Grand Junction WSFO
2009 Water Year

Division 2 – Grand Junction
Division 3 – Cochetopa Creek

Cochetopa Creek
2009 Water Year

- 30 Year Averages-1971-2000
- Period of Record Average - 1949 - 2002
- 2009 Water Year
- Max Precip
- Min Precip
Division 4 - Center

Center 4SSW
2009 Water Year

Accumulated Precipitation (Inches)

Months

OCT  NOV  DEC  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP

Buena Vista
2009 Water Year

- 30 Year Averages-1971-2000
- 2009 Water Year Accumulated
- Period of Record Average - 1901 - 2002
- Max Precip
- min precip
Division 5 – Canon City

Canon City
2009 Water Year

Period of Record Average - 1906 - 2002
30 Year Averages-1971-2000
2009 Water Year Accumulated
Max Precip
Min Precip

Accumulated Precipitation (Inches)

Months

OCT  NOV  DEC  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP
Division 7 – Akron

Akron 4E
2009 Water Year

Accumulated Precipitation (Inches)

- 30 Year Averages-1971-2000
- Period of Record Average - 1906 - 2002
- 2009 Water Year Accumulated
- Max Precip
- Min Precip
- Year of Max

Months

Accumulated Precipitation (Inches)

OCT  NOV  DEC  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP
Division 7 – Leroy

Leroy 5SW
2009 Water Year

- 30 Year Averages-1971-2000
- Period of Record Average - 1890-2002
- 2009 Water Year Accumulated
- Max Precip
- Min Precip
Boulder
2009 Water Year

Accumulated Precipitation (inches)

Months

- 2009 Water Year
- 30 Year Averages-1971-2000
- Period of Record Average - 1894-2002
- Max Precip
- Min Precip
Division 8 – Kassler

Kassler
2009 Water Year

- 30 Year Averages-1971-2000
- Period of Record Average - 1899 - 2002
- 2009 Water Year Accumulated
- Max Precip
- Min Precip

Accumulated Precipitation (inches)

Months

OCT  NOV  DEC  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP

Period of Record Average - 1899 - 2002

2009 Water Year Accumulated
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, January 15, 2009
Author: Laura Edwards, Western Regional Climate Center
January 1st - 21st, 2009 Precipitation

Legend
Jan_09_prelim.txt
Precip
- 0.00 - 0.50
- 0.51 - 1.00
- 1.01 - 1.50
- 1.51 - 2.00
- 2.01 - 2.50
- 2.51 - 3.00
January 1st - 21st, 2009 Precipitation

Legend
Preliminary Data
- Green: 0.00 - 0.50
- Light Green: 0.51 - 1.00
- Light Blue: 1.01 - 1.50
- Blue: 1.51 - 2.00
- Dark Blue: 2.01 - 2.50
- Dark Blue: 2.51 - 3.00
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

• 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

• 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”