




## Water Year 2012 Temperature Departures

Water Year 2012


## October Average Temperature History for Colorado (NCDC)

——Actual Temperature
__ Average Temperature
46.4 Ranks as the 44th coolest on record 1895-2012.


Calendar Year Average Temperature History for Colorado through October 2012 (NCDC)
—— Actual Temperature
—— Average Temperature
51.7 Ranks as the $2^{\text {nd }}$ warmest on record 1895-2012. 1934 Calendar year was warmest with 52.2 degrees.


## Denver Stapleton Daily Max/Min Temperatures and Normals

$\leadsto$ Max Temperature
_Max Temperature Normal

- Min Temperature
_Min Temperature Normal



## Denver Stapleton Daily Max/Min Temperatures and Normals Water Year 2013



Departure from Normal Temperature (F) 10/1/2012-10/31/2012


Generated $11 / 11 / 2012$ at HPRCC using provisional data.

Departure from Normal Temperature (F)
11/1/2012-11/18/2012


Generated $11 / 19 / 2012$ at HPRCC using provisional data.

## Colorado September 2012 Precipitation as Percentage of Normal



## Colorado Water Year 2012

Precipitation as Percentage of Normal (Oct 2011 - Sep 2012)

awy_sep12pnco

| \% norm |  |
| :--- | :--- |
|  | 0 |
|  | $1-10$ |
|  | $11-20$ |
| $\square$ | $21-30$ |
| $\square$ | $31-50$ |
| $\square$ | $51-70$ |
| $\square$ | $71-90$ |
| $\square$ | $91-110$ |

111-130
131-150

| 151-170 |
| :---: |
| 171-200 |
| 201-250 |
| 251-300 |
| 300+ |

Colorado October 2012 Precipitation as Percentage of Normal


## Colorado Month to Date Precipitation (in)

 1-17 November 2012

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



## Division 1 - Grand Lake 1NW



## Division 2 - Grand Junction



## Division 3 - Montrose



## Division 3 - Mesa Verde NP



## Division 4 - Alamosa



# Division 5 - Pueblo 



## Division 6 - Walsh



## Division 6 - Burlington



## Division 7 - Akron



## Division 8 - Fort Collins



## Division 8 - Boulder



Intensity:
$\square$ D0 Abnormally Dry
$\square$ D1 Drought - Moderate
D2 Drought - Severe
D3 Drought - Extreme
D4 Drought - Exceptional

Drought Impact Types:
$\sim$ Delineates dominant impacts
$\mathrm{S}=$ Short-Term, typically <6 months
(e.g. agriculture, grasslands)
$\mathrm{L}=$ Long-Term, typically $>6$ months (e.g. hydrology, ecology)

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.
http://droughtmonitor.unl.edu/ Author: Richard Heim/Liz Love-Brotak, NOAA/NESDIS/NCDC

## U.S. Drought Monitor

August 14, 2012
Valid 7 a.m. EDT


D0 Abnormally Dry
$\square$ D1 Drought - Moderate
$\square$ D2 Drought - Severe
D3 Drought - Extreme
D4 Drought - Exceptional

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# U.S. Drought Monitor 

October 16, 2012
Valid 7 a.m. EDT

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## U.S. Drought Monitor



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30 Day SPI

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10 / 20 / 2012-11 / 18 / 2012
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Generated $11 / 19 / 2012$ at HPRCC using provisional data.

## 6 Month SPI

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5 / 19 / 2012-11 / 18 / 2012
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Generated $11 / 19 / 2012$ at HPRCC using provisional data.

## 12 Month SPI

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11 / 19 / 2011-11 / 18 / 2012
$$



Generated $11 / 19 / 2012$ at HPRCC using provisional data.

Modified Palmer Drought Severity Index for Colorado August 2012


## Colorado Climate Center

## Data and Power Point Presentations available for downloading <br> http:Ilouatmos.colostate.edu/droughtpresentations.php



