Colorado Statewide Z Index*
January 1998 - April 2005

*Palmer Z Index
Short-Term Drought

National Climatic Data Center / NESDIS / NOAA

http://www.ncdc.noaa.gov oa/climate/research/prelim/drought/st005dv00pcp.html
Colorado Statewide Precipitation
April, 1895 - 2005

Yearly Values
Filtered Values
Long-Term Mean

National Climatic Data Center / NESDIS / NOAA

http://www.ncdc.noaa.gov/oa/climate/research/prelim/drought/st005dv00pcp.html
## Statewide Precipitation Ranks for Colorado, 2004-2005

<table>
<thead>
<tr>
<th>Period</th>
<th>Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apr</td>
<td>36th wettest (76th driest)</td>
</tr>
<tr>
<td>Mar-Apr</td>
<td>45th wettest (67th driest)</td>
</tr>
<tr>
<td>Feb-Apr</td>
<td>44th wettest (67th driest)</td>
</tr>
<tr>
<td>Jan-Apr</td>
<td>24th wettest (88th driest)</td>
</tr>
<tr>
<td>Dec-Apr</td>
<td>33rd wettest (77th driest)</td>
</tr>
<tr>
<td>Nov-Apr</td>
<td>24th wettest (87th driest)</td>
</tr>
<tr>
<td>Oct-Apr</td>
<td>31st wettest (80th driest)</td>
</tr>
<tr>
<td>Sep-Apr</td>
<td>11th wettest (100th driest)</td>
</tr>
<tr>
<td>Aug-Apr</td>
<td>19th wettest (92nd driest)</td>
</tr>
<tr>
<td>Jul-Apr</td>
<td>17th wettest (94th driest)</td>
</tr>
<tr>
<td>Jun-Apr</td>
<td>17th wettest (94th driest)</td>
</tr>
<tr>
<td>May-Apr</td>
<td>37th wettest (74th driest)</td>
</tr>
</tbody>
</table>

http://www.ncdc.noaa.gov oa/climate/research/prelim/drought/st005dv00pcp.html
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
2005 Water Year

- 30 Year Averages-1971-2000
- Max Year - 1984
- Min Year - 2002
- Period of Record Average - 1941 - 2002
- 2005 Water Year Accumulated

Months

Accumulated Precipitation (Inches)

OCT  NOV  DEC  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP
Division 1 – Taylor Park

Taylor Park
2005 Water Year

Accumulated Precipitation (Inches)

- 30 Year Averages-1971-2000
- Max Year - 1999
- Min Year - 1974
- Period of Record Average - 1942 - 2002
- 2005 Water Year Accumulated
- 2002 Water Year Accumulated

Graph showing accumulated precipitation for different years and periods.
Division 2– Collbran

Collbran 2SW
2005 Water Year

- 30 Year Averages-1971-2000
- Max Year - 1997
- Min Year - 1974
- Period of Record Average - 1893 - 2002
- 2005 Water Year Accumulated
- 2002 Water Year Accumulated

Accumulated Precipitation (inches)

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

Months

25
20
15
10
5
0

Period of Record Average - 1893 - 2002
Max Year - 1997
Min Year - 1974
30 Year Averages-1971-2000
2005 Water Year Accumulated
2002 Water Year Accumulated
Division 2 – Grand Junction

Grand Junction WSFO
2005 Water Year

Accumulated Precipitation (Inches)

- 30 Year Averages-1971-2000
- Max Year - 1929
- Min Year - 1956
- Period of Record Average - 1893-2002
- 2005 Water Year Accumulated
- 2002 Water Year Accumulated
Division 3 – Montrose

Montrose #2
2005 Water Year

- 30 Year Averages-1971-2000
- Max Year - 1941
- Min Year - 1958
- Period of Record Average - 1893- 2002
- 2005 Water Year Accumulated
- 2002 Water Year Accumulated

Accumulated Precipitation (Inches)

Months

OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP
Division 3 – Mesa Verde

Mesa Verde NP
2005 Water Year

- 30 Year Averages-1971-2000
- Max Year - 1941
- Min Year - 1977
- Period of Record Average - 1893- 2002
- 2005 Water Year Accumulated
- 2002 Water Year

Accumulated Precipitation (Inches)

Months

OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP
Division 4 – Del Norte

Del Norte
2005 Water Year

- 30 Year Averages-1971-2000
- Max Year - 1985
- Min Year - 1951
- Period of Record Average - 1921-2002
- 2005 Accumulated
- 2002 Accumulated Water Year
Division 5 – Colorado Springs

Colorado Springs
2005 Water Year

- 30 Year Averages-1971-2000
- Max Year - 1999
- Min Year - 1939
- Period of Record Average - 1893-2002
- 2005 Water Year Accumulated
- 2002 Water Year Accumulated
Division 5 – Pueblo

Pueblo WSO
2005 Water Year

- 30 Year Averages-1971-2000
- Max Year - 1942
- Min Year - 2002
- Period of Record Average - 1874-2000
- 2005 Water Year Accumulated

Accumulated Precipitation (Inches)

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

Months
Division 5 – Buena Vista

Buena Vista
2005 Water Year

- 30 Year Averages-1971-2000
- Max Year - 1965
- Min Year - 1902

2005 Water Year Accumulated
Period of Record Average - 1901 - 2002
2002 Water Year Accumulated
Division 5 – Canon City

Canon City
2005 Water Year

- 30 Year Averages-1971-2000
- Max Year - 1957
- Min Year - 1962
- Period of Record Average - 1906 - 2002
- 2005 Water Year Accumulated
- 2002 Water Year Accumulated

Accumulated Precipitation (inches)

Months

OCT  NOV  DEC  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP
Division 6 – Cheyenne Wells

Cheyenne Wells
2005 Water Year

Accumulated Precipitation (Inches)

- 30 Year Averages-1971-2000
- Max Year - 1909
- Min Year - 1956
- Period of Record Average - 1971 - 2002
- 2005 Water Year
- 2002 Water Year Accumulated
Division 7 – Akron

Akron 4E
2005 Water Year

Accumulated Precipitation (Inches)

30 Year Averages-1971-2000
Min Year - 2002
2005 Water Year Accumulated
Max Year - 1915
Period of Record Average - 1906 - 2002

Months

Accumulated Precipitation (Inches)

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

Leroy 5SW
2005 Water Year

- 30 Year Averages-1971-2000
- Max Year - 1995
- Min Year - 1894
- Period of Record Average - 1890-2002
- 2005 Water Year Accumulated
- 2002 Water Year Accumulated

Accumulated Precipitation (Inches)

Months

Accumulated Precipitation (Inches)

0 5 10 15 20 25 30

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

Months
Division 8 – Boulder

Boulder
2005 Water Year

2005 Water Year
30 Year Averages-1971-2000
Max Year - 1995
Min Year - 1966
Period of Record Average - 1894-2002
2002 Water Year

Accumulated Precipitation (inches)

Months

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

0 5 10 15 20 25 30 35

Max Year - 1995
Min Year - 1966
Period of Record Average - 1894-2002
2002 Water Year

2005 Water Year
30 Year Averages-1971-2000

0 5 10 15 20 25 30 35

Accumulated Precipitation (inches)

Months

OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
Division 8 – Cheesman

Cheesman 2005 Water Year

- 30 Year Averages-1971-2000
- Max Year - 1970
- Min Year - 2002
- Period of Record Average - 1904 - 2002
- 2005 Water Year

Accumulated Precipitation (Inches)

Months
Division 8 – Kassler

Kassler
2005 Water Year

- 30 Year Averages-1971-2000
- Max Year - 1915
- Min Year - 1956
- Period of Record Average - 1899 - 2002
- 2005 Water Year Accumulated
- 2002 Water Year Accumulated

Months:
- OCT
- Nov
- Dec
- Jan
- Feb
- Mar
- Apr
- May
- Jun
- Jul
- Aug
- Sep

Accumulated Precipitation (Inches):
- 0
- 5
- 10
- 15
- 20
- 25
- 30
Division 8 – Fort Collins

Fort Collins
2005 Water Year

- 30 Year Averages-1971-2000
- Max Year - 1961
- Min Year - 1966
- Period of Record Average - 1890 - 2002
- 2005 Water Year
- 2002 WY
April 2005 maximum temperature departures from the 1971-2000 averages.
April 2005 minimum temperature departures from the 1971-2000 averages.
April 2005 average temperature departures from the 1971-2000 averages.
April 2005 precipitation as a percent of the 1971-2000 average.
3 Month SPI

Colorado

4/2005 3 mon. SPI

Produced by
Colorado Climate Center
Fort Collins, CO
12 Month SPI

Colorado

4/2005 12 mon. SPI

Produced by:
Colorado Water Center
Fort Collins, CO
Fraction of Colorado in Drought

Based on 48 month SPI
(1890 - Apr 2005)

Year

Fraction (in percent)
Projected Conditions at 0.2 Probability Level
12 Month SPI at 6 months

Colorado

4/2005  12 mon. SPI - Projected 6 mon. at P=0.20

Produced by:
Chesna, Climate Center
Fort Collins, CO
Projected Conditions at 0.5 Probability Level
12 Month SPI at 6 months
Projected Conditions at 0.8 Probability Level
12 Month SPI at 6 months

Colorado

4/2005 12 mon. SPI - Projected 6 mon. at P=0.80

Produced by Colorado Climate Center
Fort Collins, CO
Projected Conditions at 0.5 Probability Level
48 Month SPI at 12 months
Projected Conditions at 0.8 Probability Level
48 Month SPI at 12 months
Data and Power Point Presentations available for downloading

http://ccc.atmos.colostate.edu

• click on “Drought”
• then click on “Presentations”