A quick review of the 2006 Water Year

Photo by Lynn Kral, Loveland, January 2006
Colorado Precipitation in Historic Perspective

Colorado Statewide Water Year (Oct-Sep) Precipitation from 1896 - 2006
What happened this past year? WY2006 Highlights

- Soaking October storm – especially over Eastern Colorado
- Windy, dry winter over Foothills and Eastern Plains
- Frequent midwinter snows Northern Mountains
- Very warm and dry spring (tough on Agriculture)
- Early July soaking
- Wet summer over much of southern Colorado
- A chilly ending to another warm year
CoAgMet Temperatures

Kersey, Colorado

Temperature for KSY01 (10-01-2005 - 09-30-2006)

Hotchkiss, Colorado

Temperature for HOT01 (10-01-2005 - 09-30-2006)
Water Year 2006 Temperature Departures

Temperature Departures for Water Year 2006

- Eastern Plains
- Foothills
- Mountains
- Western Valleys
Summer 2006 (May–Sep) precipitation as a percent of the 1971-2000 average
Summer 2006 (May–Sep) precipitation as a percent of average (Prism)

5–month Percent of Average Precipitation: Sep 2006
Provisional Data

% of Average Precipitation

- 0
- 1-10
- 11-20
- 21-30
- 31-50
- 51-70
- 71-90
- 91-110
- 111-130
- 131-150
- 151-170
- 171-200
- 201-250
- 251-300
- 301+

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http://www.ocs.oregonstate.edu/prism — Map created Oct 12 2006
Water Year 2006 precipitation as a percent of the 1971-2000 average
Water Year 2006 precipitation as a percent of average (Prism)

12-month Percent of Average Precipitation: Sep 2006
Provisional Data

% of Average Precipitation
- 0
- 1-10
- 11-20
- 21-30
- 31-50
- 51-70
- 71-90
- 91-110
- 111-130
- 131-150
- 151-170
- 171-200
- 201-250
- 251-300
- 301+

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http://www.ocs.oregonstate.edu/prism – Map created Oct 12 2006
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.
Summary

- Soaking October storm – especially over Eastern Colorado
- Windy, dry winter over Foothills and Eastern Plains
- Frequent midwinter snows Northern Mountains
- Very warm and dry spring (tough on Agriculture)
- Early July soaking
- Wet summer over much of southern Colorado
- A chilly ending to another warm year
Overall, 2006 Water Year warmer than average – again!

Colorado (Oct-Sep) Average Temperatures
From 1896-2006
October 2006 Temperature Departures

Temperature Departures for Water Year 2007

- Eastern Plains
- Foothills
- Mountains
- Western Valleys
COLORADO

Legend
- ▲ 0 - 9
- ■ 10 - 29
- ● 30 - 49
- ● 60 - 69
- ■ 70 - 89
- ▲ 90 - 109
- ● 110 - 129
- ■ 130 - 149
- ● 150 - 169
- ● 170 - 189
- ▲ 190 - 209
- ● 210 - 229
- ● 230 - 249
- ▲ > 250

October 2006 Precipitation as a percent of the 1971-2000 average.
CoCoRaHS Stations for November 1-17, 2006 precipitation totals

COLORADO

CoCoRaHS
Stations with >13 reports
Precipitation (inches)
- 0.00 - 0.08
- 0.09 - 0.20
- 0.21 - 0.40
- 0.41 - 0.73
- 0.74 - 1.86
CoCoRaHS Accumulated Precipitation

Montrose County, CO

Accumulated WY 2006
Accumulated WY 2007

Accumulated Precipitation (in)

Aug Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov
CoCoRaHS Accumulated Precipitation

La Plata, CO

Accumulated Precipitation (in)

Accumulated WY 2006

Accumulated WY 2007
Summit County, CO

CoCoRaHS Accumulated Precipitation

Accumulated Precipitation (in)

WY 2006 Accumulated Precip

WY 2007 Accumulated Precp
CoCoRaHS Accumulated Precipitation

Larimer County Accumulated Precipitation

- WY2006 Accum Precip
- WY2007 Accum Precip
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http://drought.unl.edu/dm

Released Thursday, November 16, 2006
Author: Ned Guttman/Liz Love-Brotak, NOAA/NESDIS/NCDC
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Author: Ned Guttman/Liz Love-Brotak, NOAA/NESDIS/NCDC
3 Month SPI

Apparent data problem at Eagle
6 Month SPI
Apparent data problem at Eagle
12 Month SPI

Apparent data problem at Eagle
24 Month SPI

Apparent data problem at Eagle

10/2006 24 mon. SPI

Produced by: Colorado Climate Center
Fort Collins, CO
48 Month SPI

Apparent data problem at Eagle
Standardized Precipitation Index

Fraction of Colorado in Drought

Based on 48 month SPI

(1890 - Oct 2006)
Projected Conditions at 0.5 Probability Level
12 Month SPI at 6 months

Apparent data problem at Eagle
Projected Conditions at 0.8 Probability Level
12 Month SPI at 6 months

Apparent data problem at Eagle
Colorado Climate Center

Data and Power Point Presentations available for downloading

http://ccc.atmos.colostate.edu

- click on “Drought”
- then click on “Presentations”