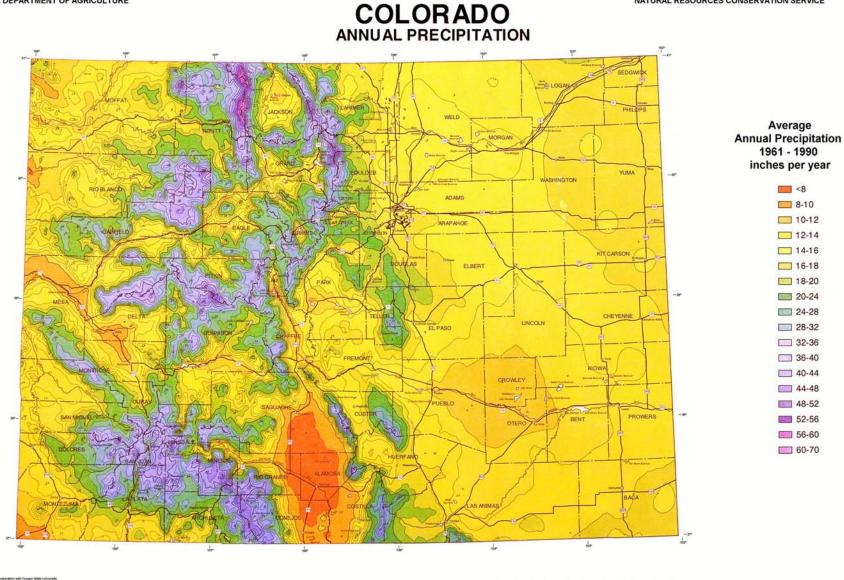


Northeast Colorado Climate Update

Nolan J. Doesken Colorado Climate Center Colorado State University Presented at County Extension Office, Sedgwick, Colorado, April 6, 2004

Prepared by Odie Bliss





dues using the PRISM model developed at Gregon State Univer-despitude and was resampled to 2x2 km using a Saussian file

tography & Geospelar Center, Fort Worth, TX, 1888

te PfitDM DEM is derived from a 15-arc second Defense Mapping Agency (DMA)

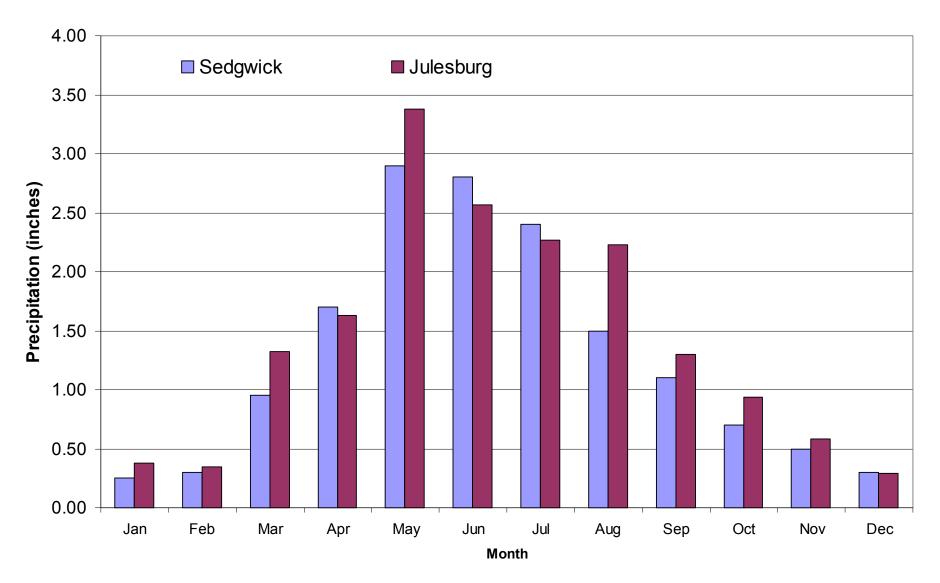
1998 Albers Equal Area Projection, 36'W & 23'H, NAD 21

died automaties were gen-

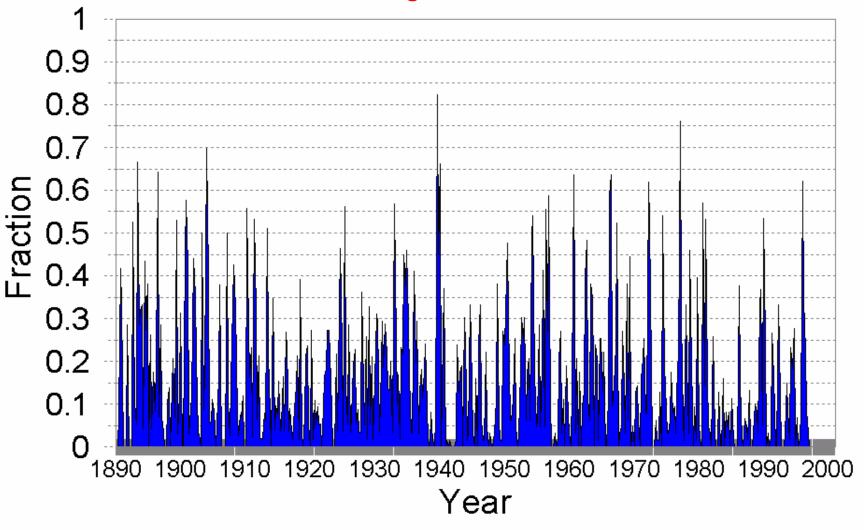
SCALE 1:1, 185, 000

BOURCE NOTE Users are cautioned that contours may not exactly match station-observed precipitatio associatly in regions with significant precipitation gradients and/or also topogrady and topogrady

Average Monthly Precipitation (for the period 1971-2000)

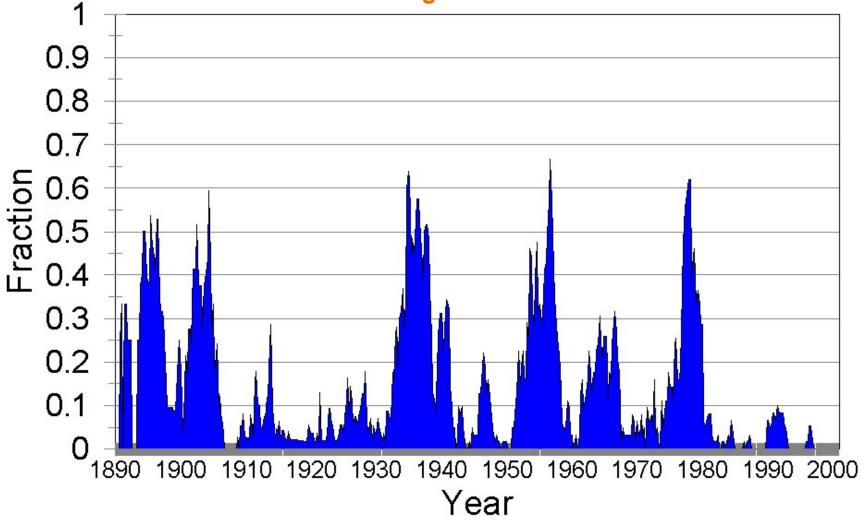


Fraction of Colorado in Drought Based on 3-month SPI

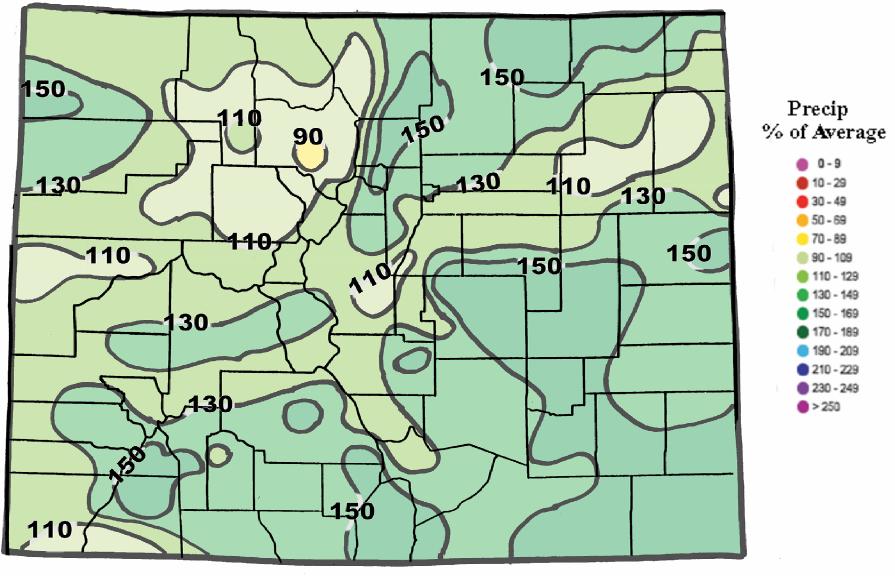


Fraction of Colorado in Drought Based on 48-month SPI

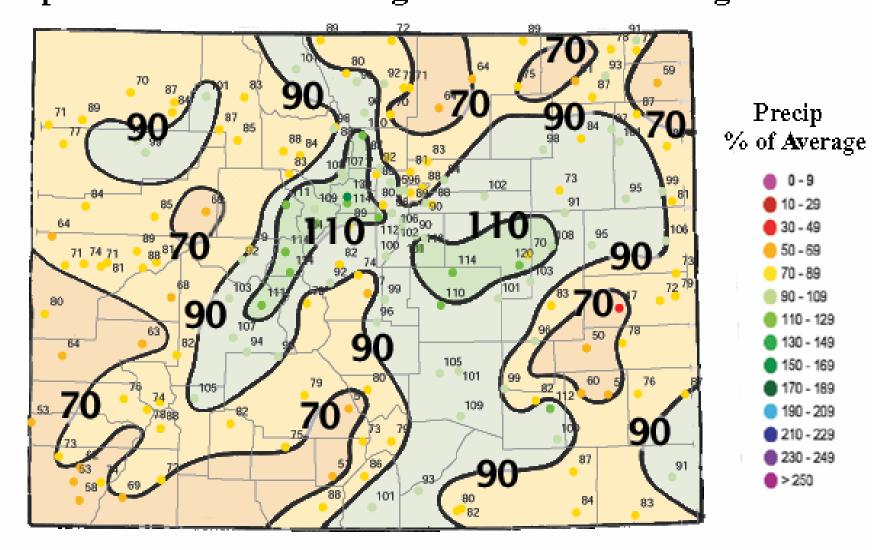
Through 1999



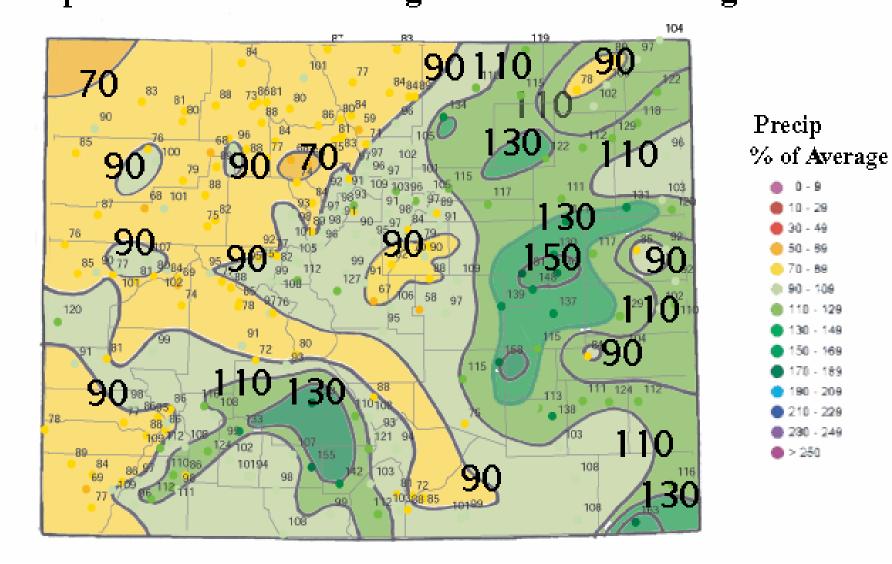
Water Year 1999 (October 1998 - September 1999) Precipitation as a percent of average



Water Year 2000 (Oct. 1999 - Sept. 2000) Precipitation Percent of Average for 1961-1990 Averages



Water Year 2001 (Oct. 2000 - Sept. 2001) **Precipitation Percent of Average for 1961-1990 Averages**



29

RG

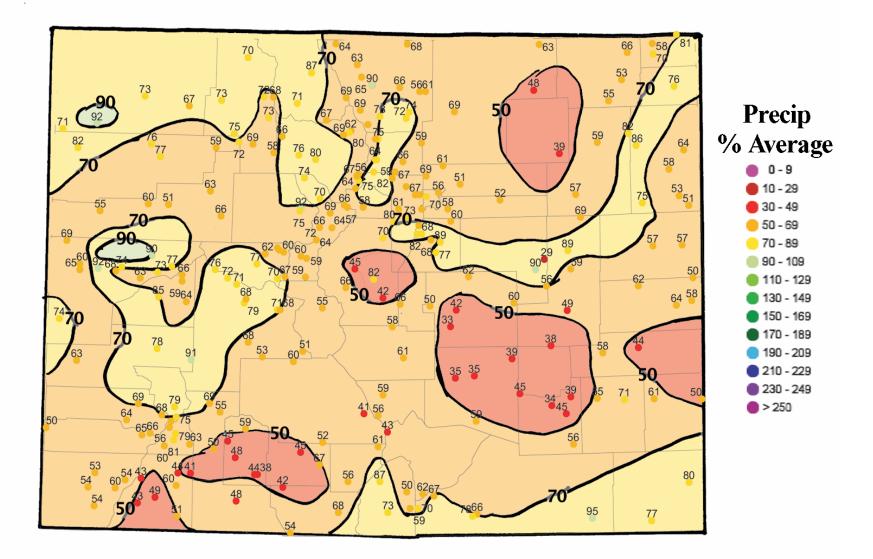
129

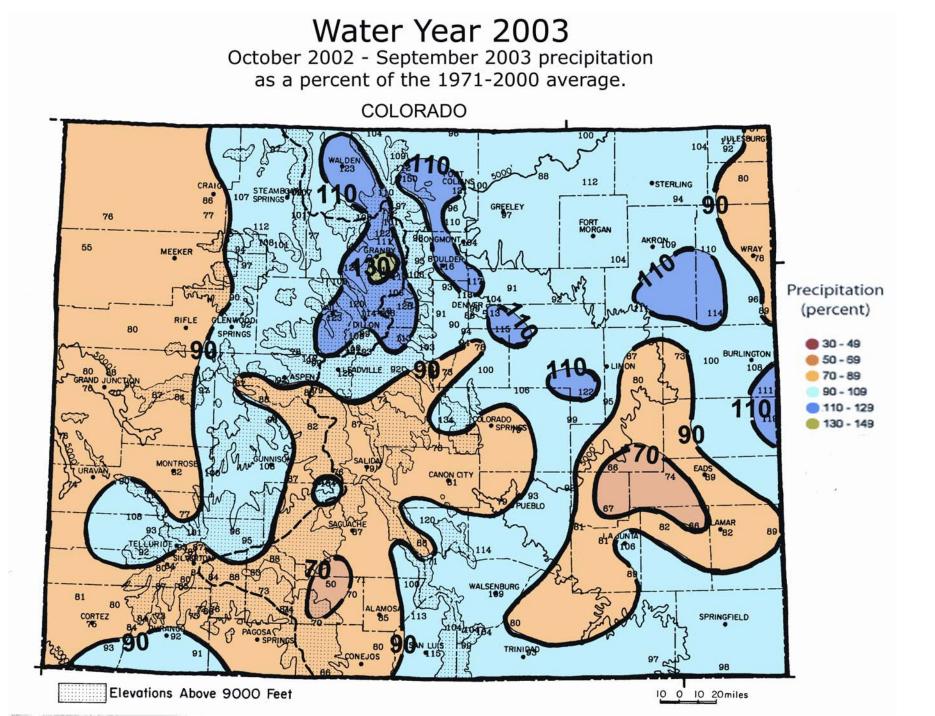
- 149

169 - 189

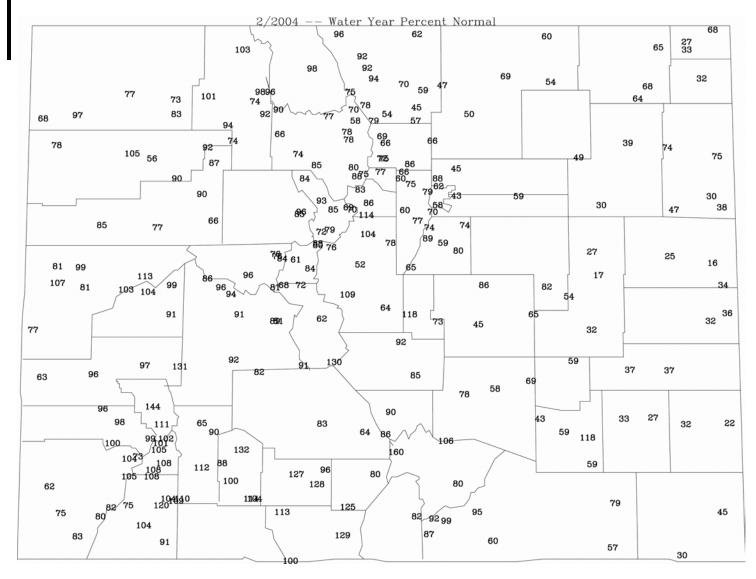
209

Water Year 2002 (Oct. 2001 - Sept. 2002) Precipitation Percent of Average for 1961-1990 Averages





Water Year 2004 (Oct 2003 - Feb 2004)

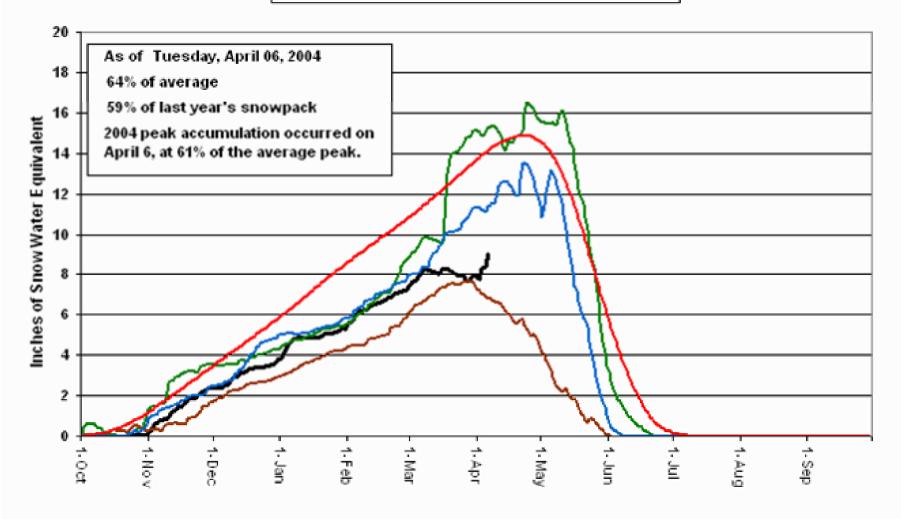


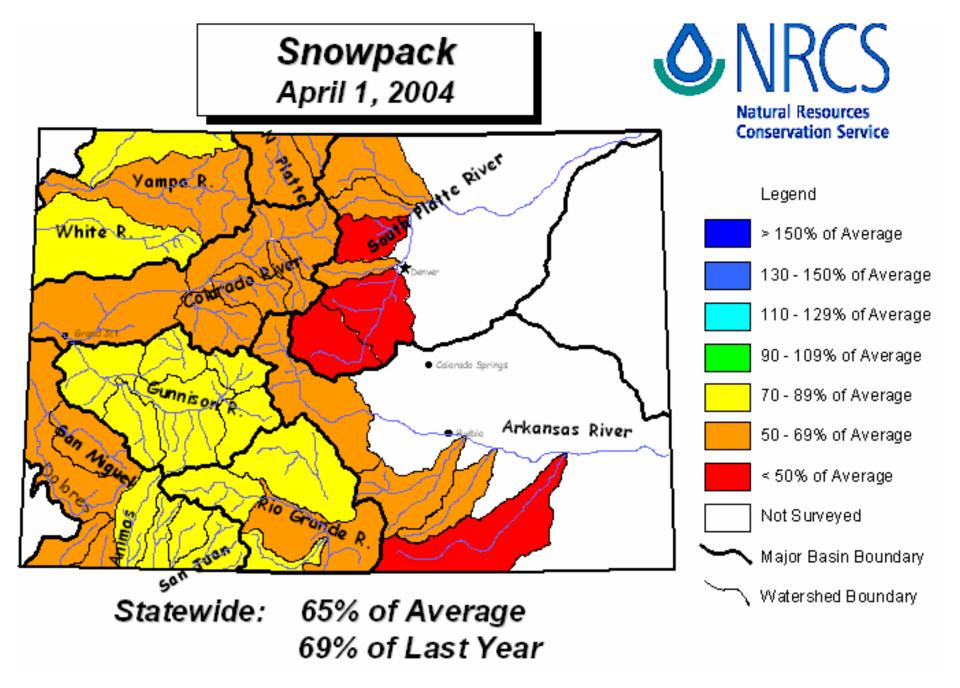


South Platte Basin Snowpack

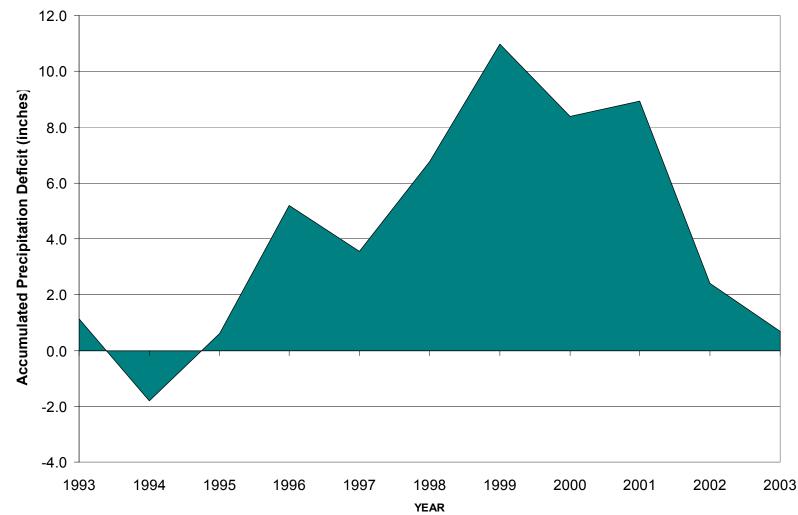
Based on provisional SNOTEL data.

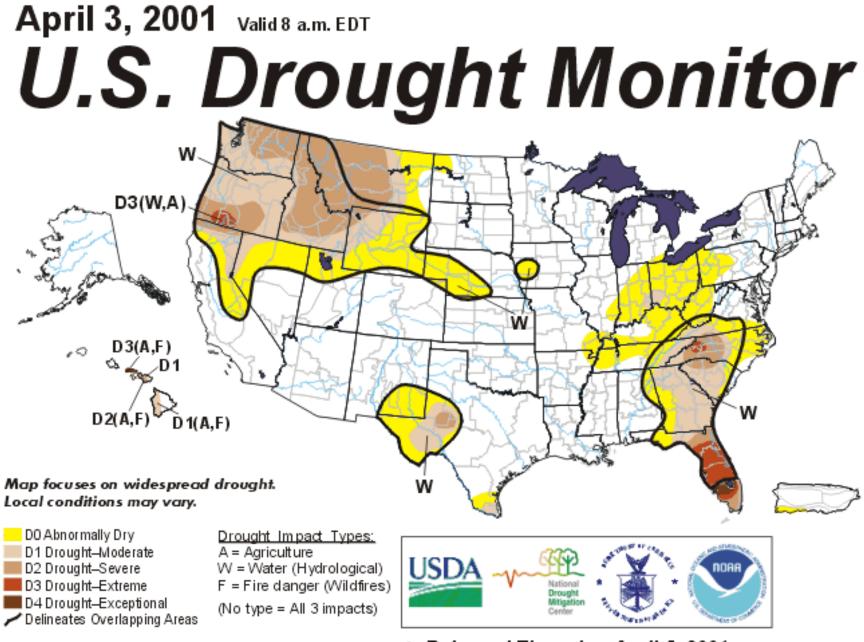






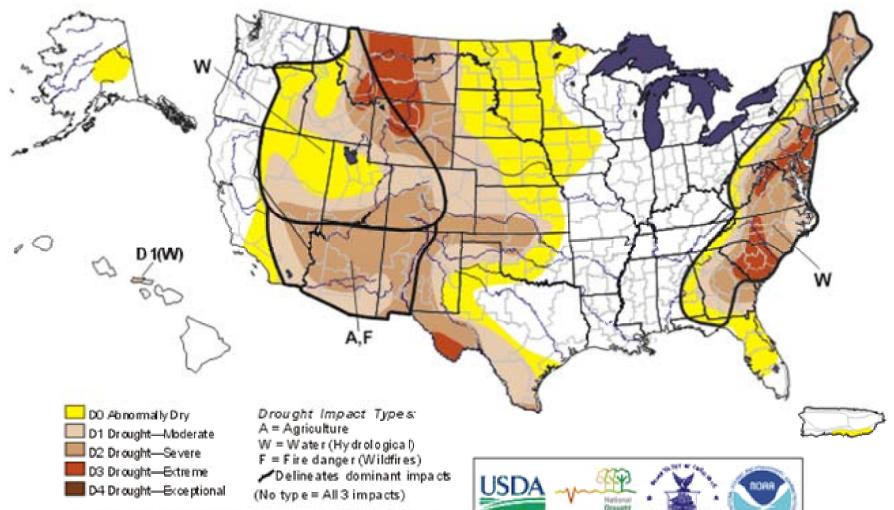
Sedgwick 5S Accumulated Precipitation Deficit





See accompanying texts ummary for forecast statements http://enso.unl.edu/monitor/monitor.html Released Thursday, April 5, 2001
Author: David Miskus

U.S. Drought Monitor April 2, 2002

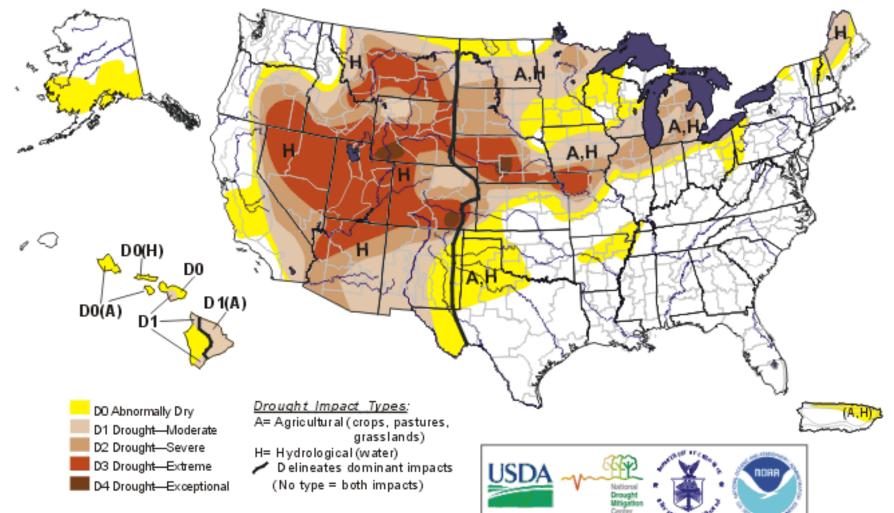


The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

http://drought.unl.edu/monitor/monitor.html

Released Thursday, April 4, 2002 Author: David Miskus, JAWF/CPC.NOAA

U.S. Drought Monitor April 1, 2003 Valid 7 a.m. EST

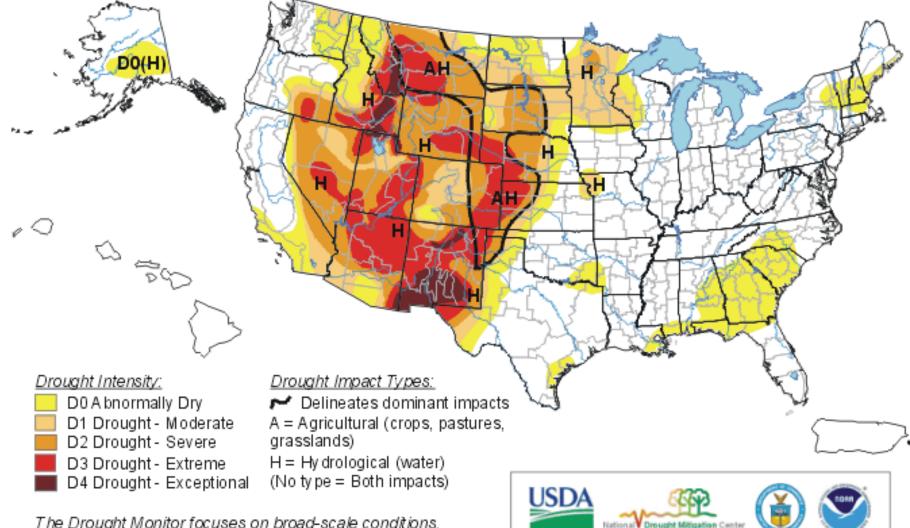


The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

http://drought.uni.edu/dm *Author*: Douglas Le Comte, NOAA/NWS/CPC

Released Thursday, April 3, 2003

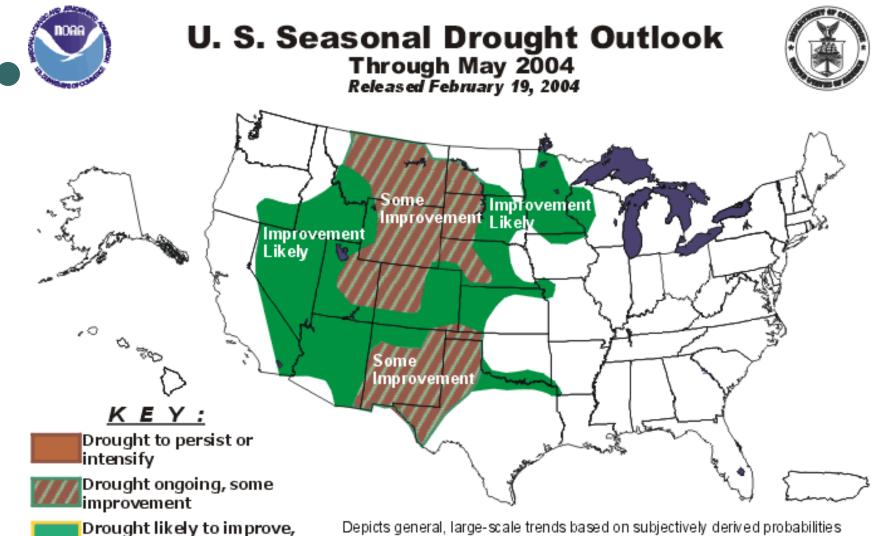
U.S. Drought Monitor March 30, 2004



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, April 1, 2004 Author: Brad Rippey, U.S. Department of Agriculture



impacts ease

likely

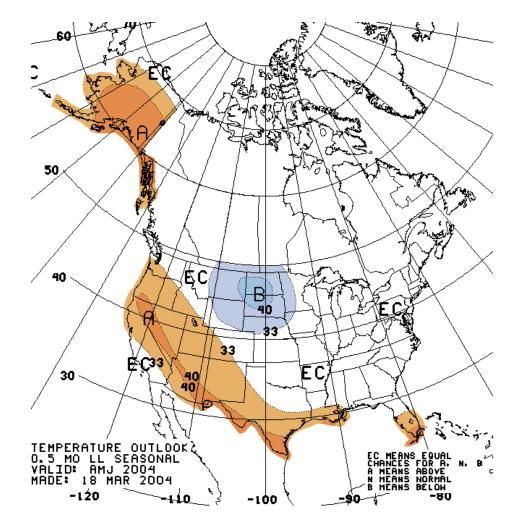
Drought development

guided by numerous indicators, including short and long-range statistical and dynamical forecasts. Short-term events-- such as individual storms -- cannot be accurately forecast more than a few days in advance, so use caution if using this outlook for applications -- such as crops -- that can be affected by such events. "Ongoing" drought areas are schematically approximated from the Drought Monitor (D1 to D4). For weekly drought updates, see the latest Drought Monitor map and text.

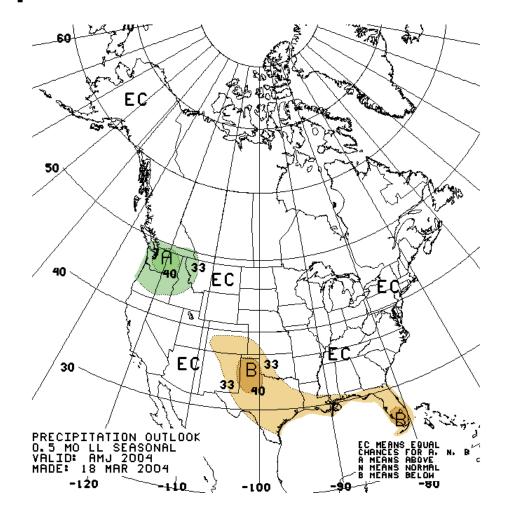
• • What Comes Next?



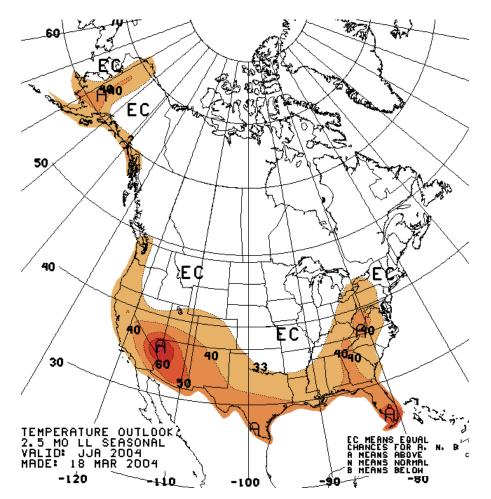
Temperature April - June 2004



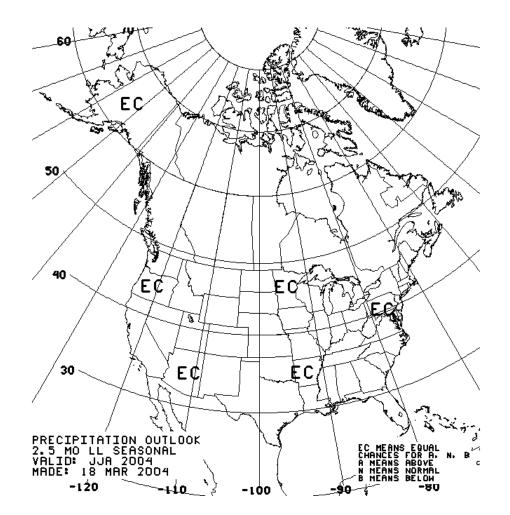
Precipitation April - June 2004



Temperature June - Aug 2004

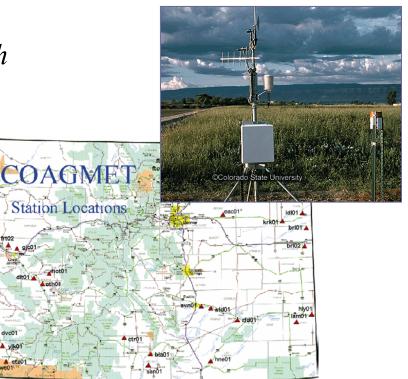


Precipitation June – Aug 2004



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 - Wind
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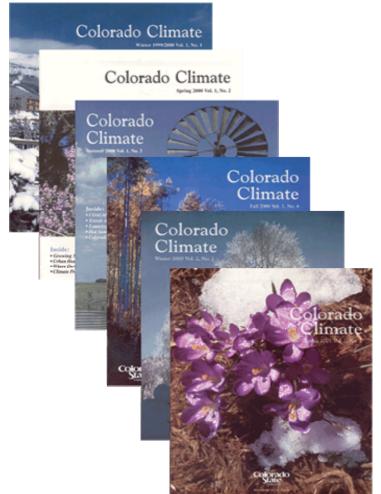


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Colorado Climate Center Colorado State University

• Data and Power Point Presentations available for downloading

o http://ccc.atmos.colostate.edu

click on "Drought" then click on "Presentations"

