Drought and Flood Update
May 2005

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Colorado Climate Center

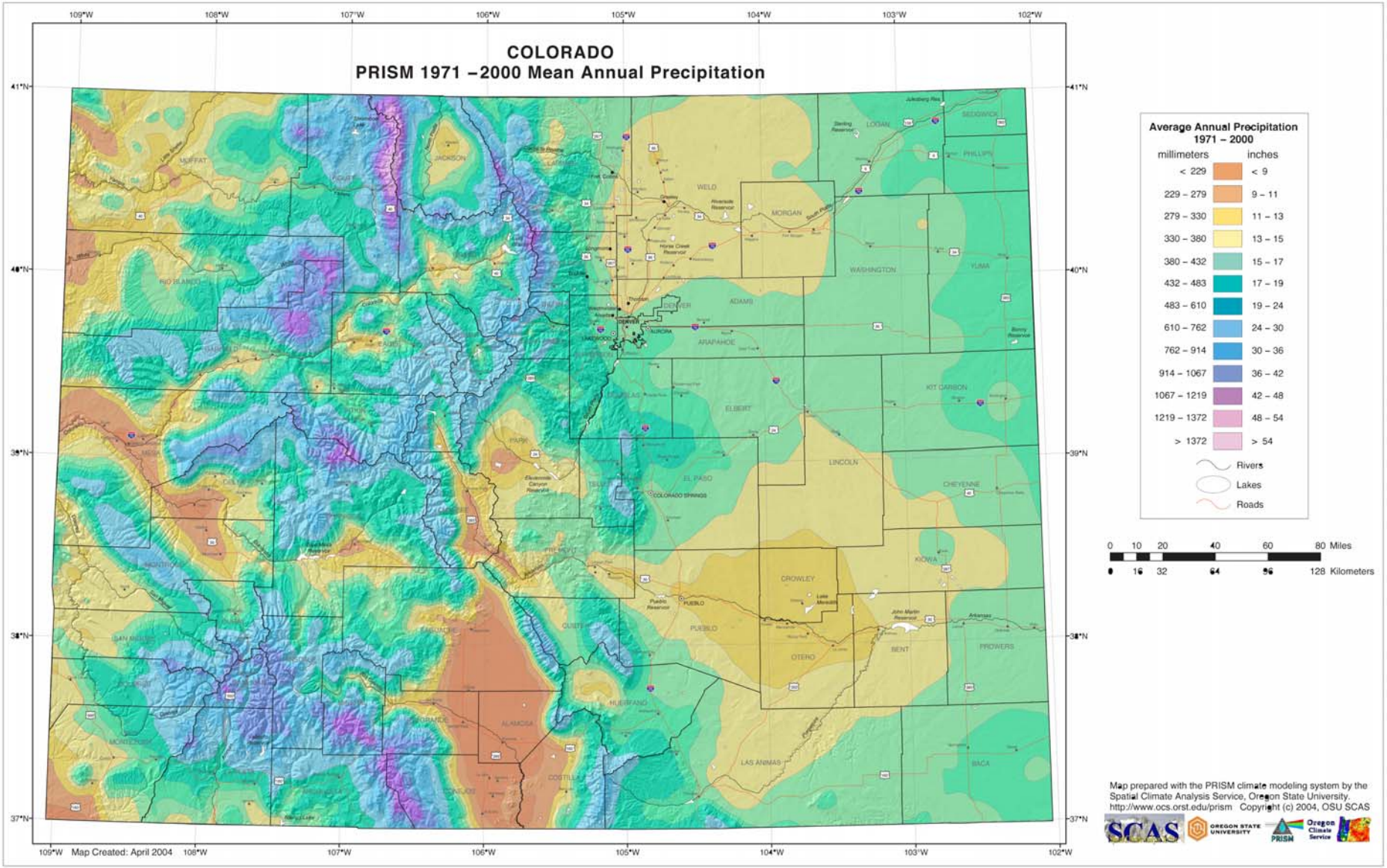
presented at the Joint Meeting of the Flood Task Force and WATF,
Division of Wildlife, Denver, CO, June 8, 2005

Prepared by Odie Bliss

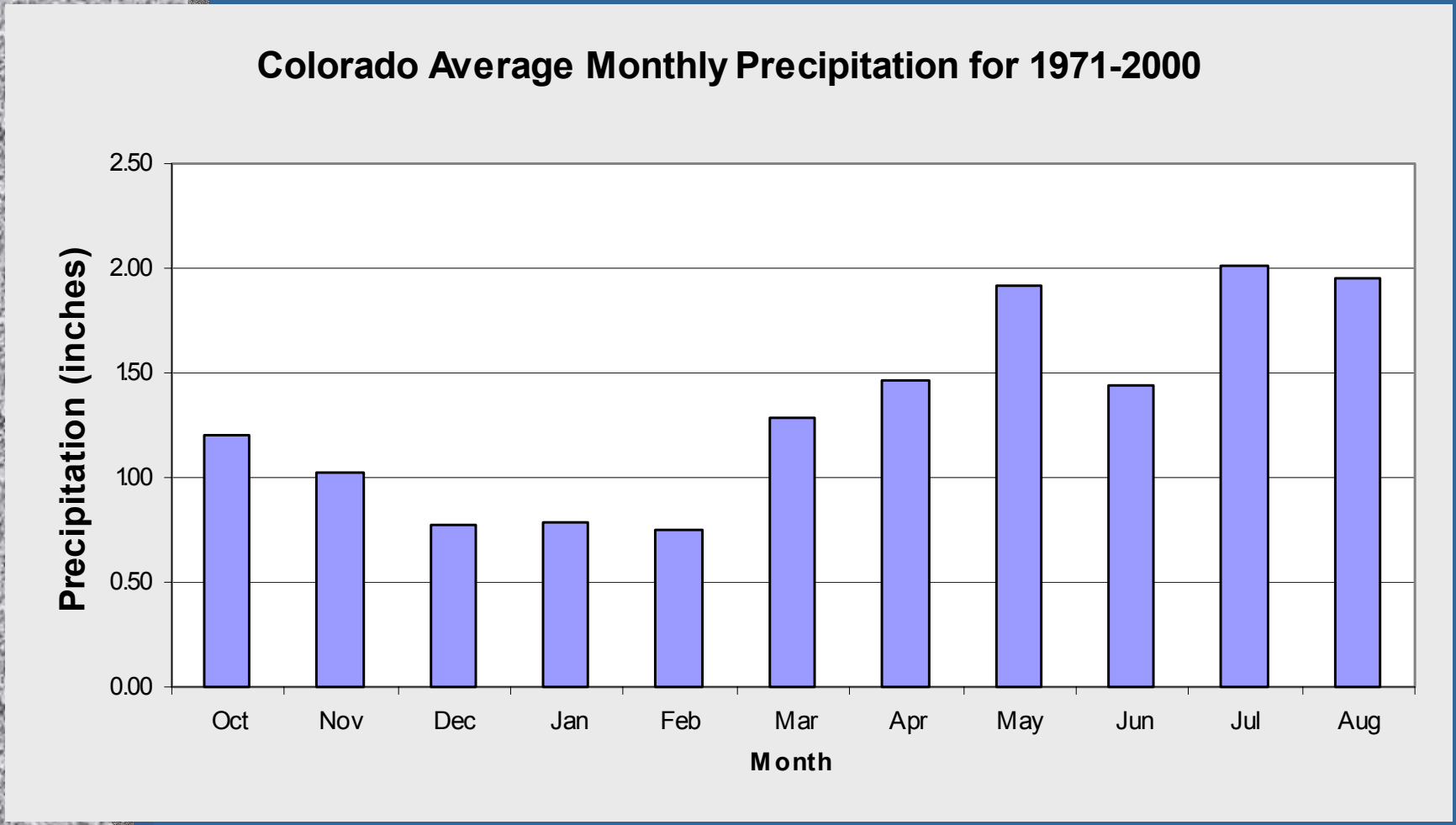
http://ccc.atmos.colostate.edu

Photo courtesy Brian McNoldy, 6/4/05

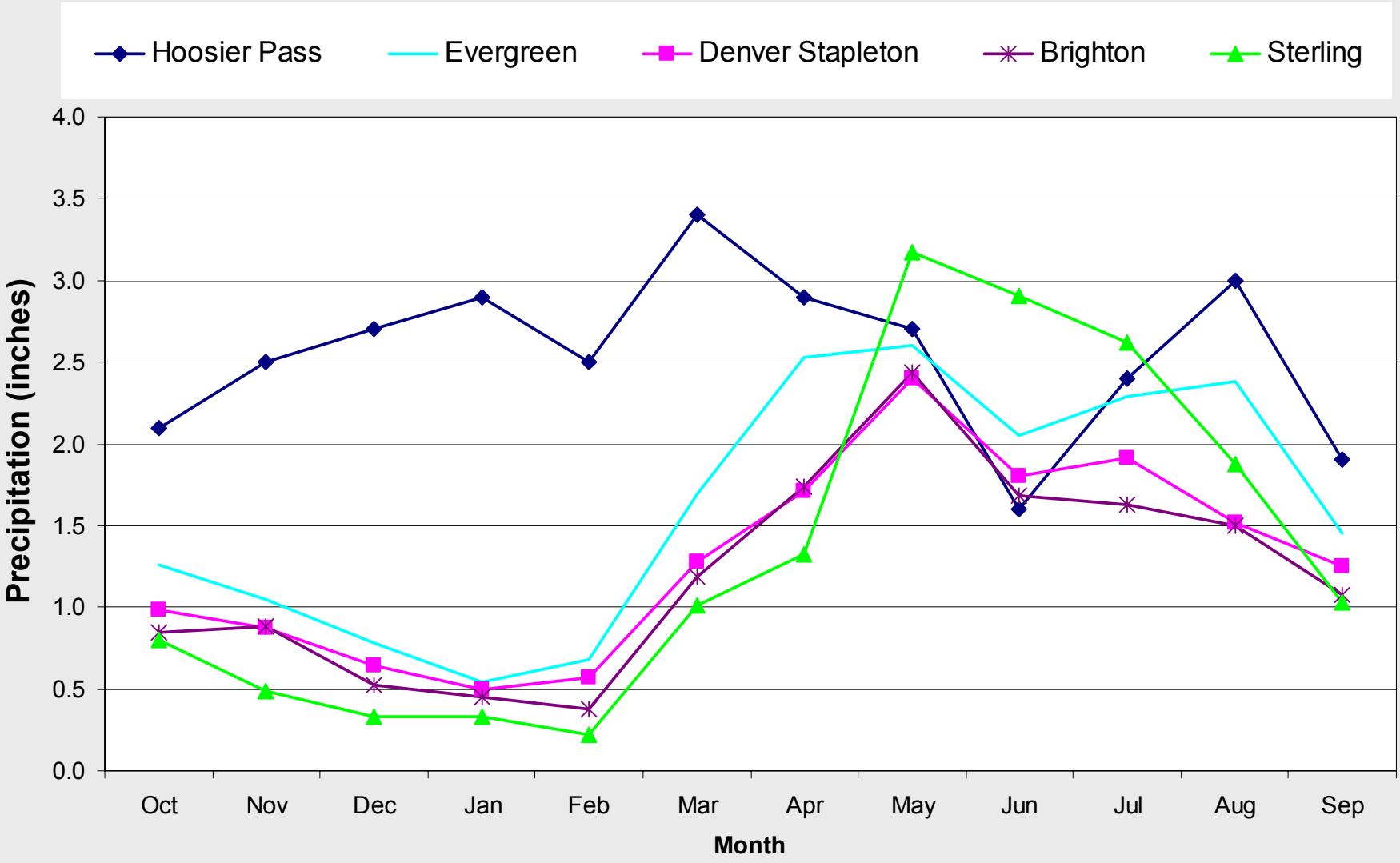
Colorado Average Annual Precipitation



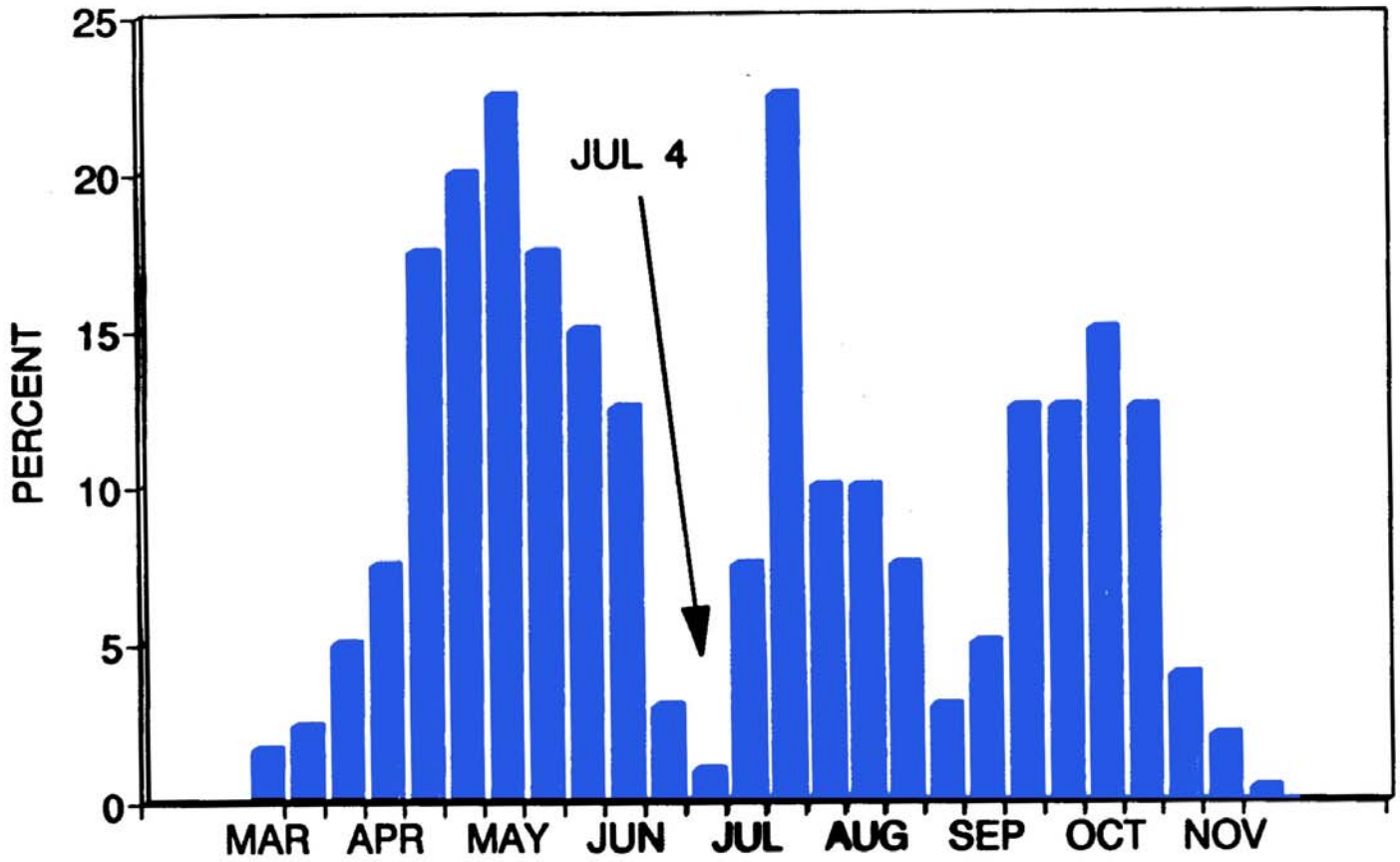
Colorado Average Monthly Precipitation (1971-2000)



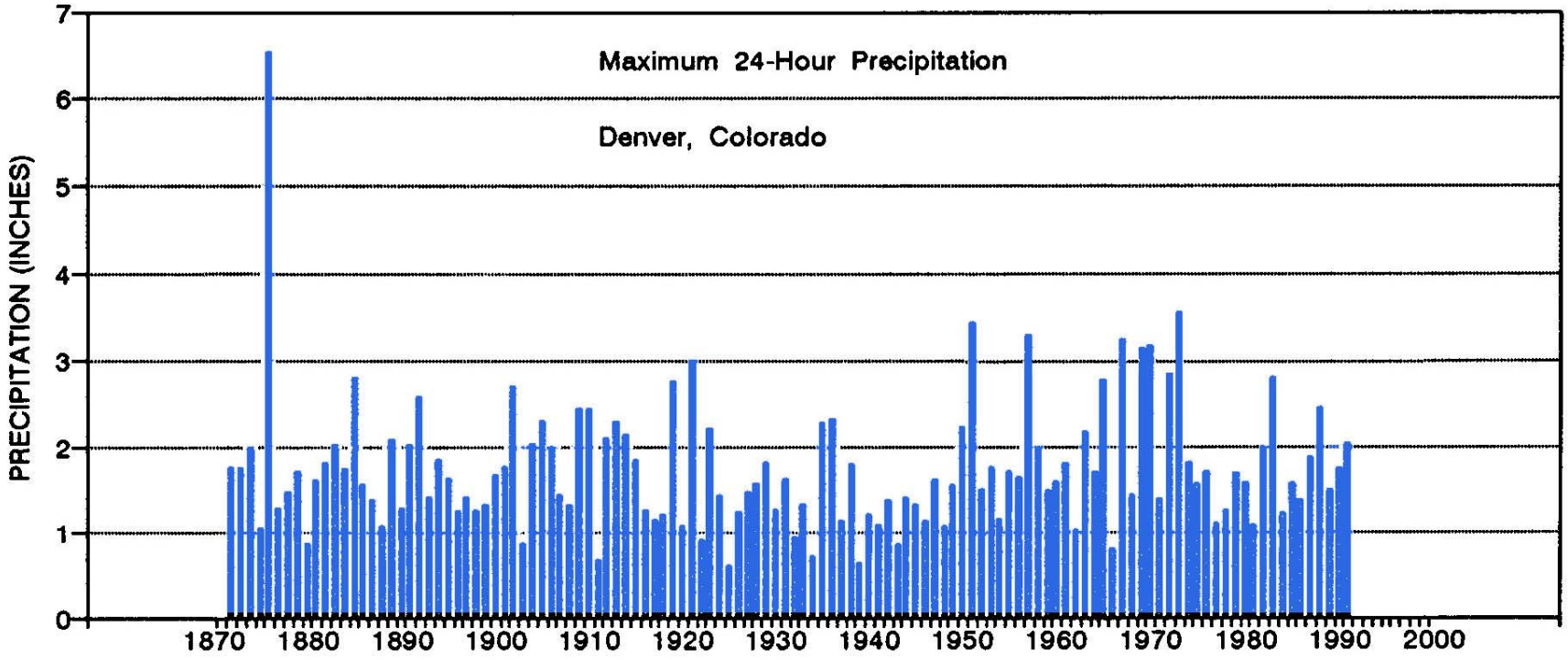
Monthly Average Precipitation for Selected Sites in the South Platte Basin



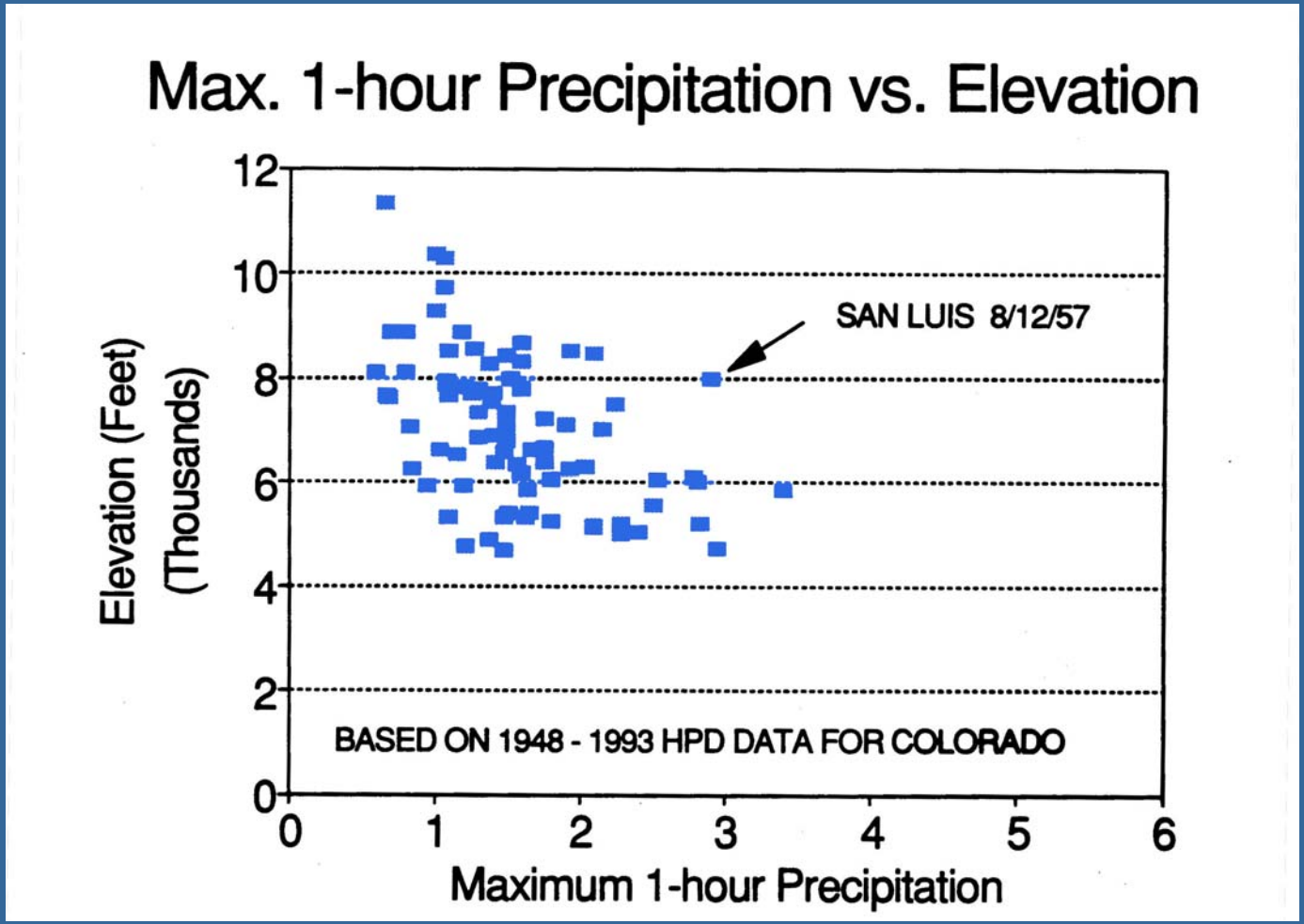
HEAVY RAIN PROBABILITIES
> 2" IN 24 HOURS SOMEWHERE IN COLORADO
DURING CONSECUTIVE 10-DAY PERIOD



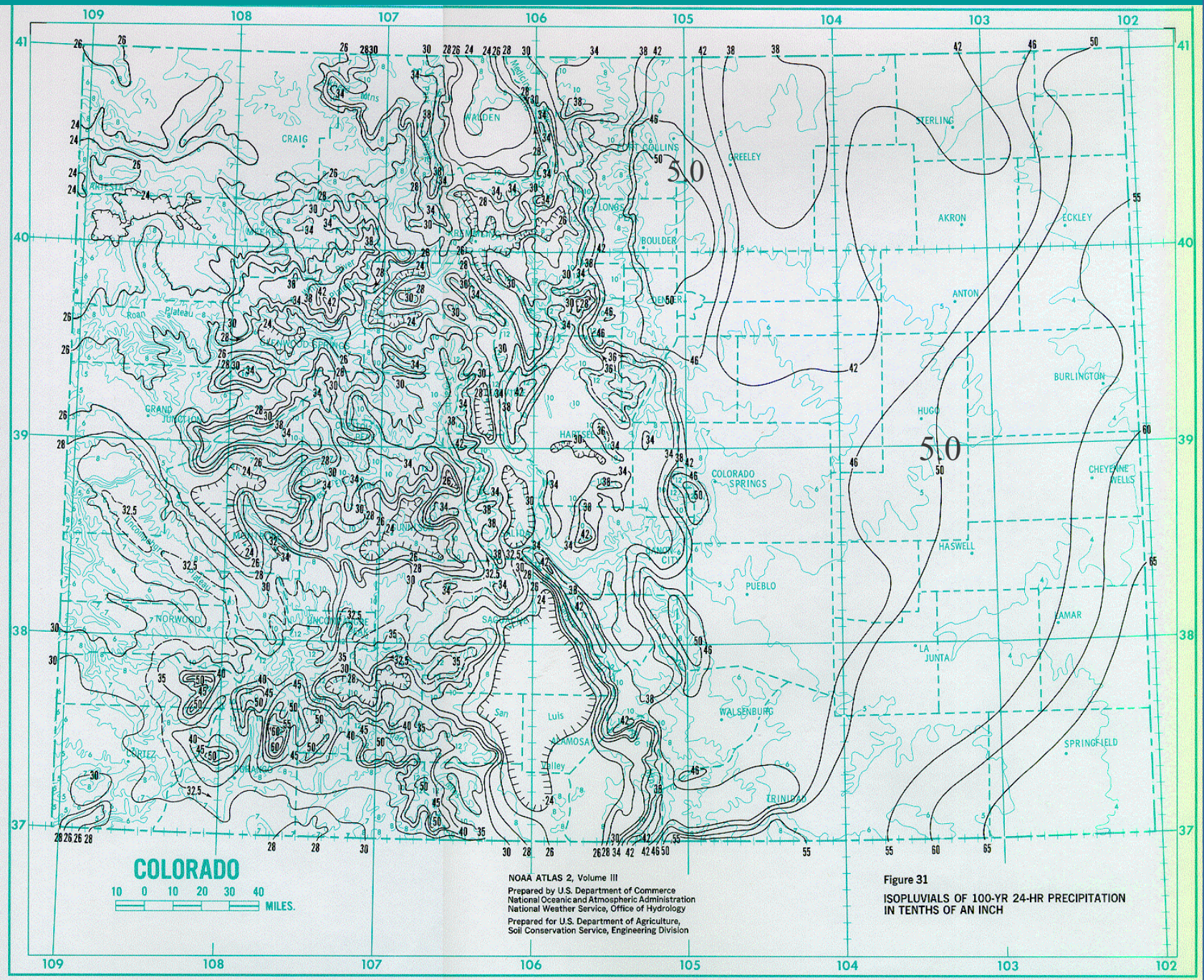
Denver Maximum 1-day Precipitation History



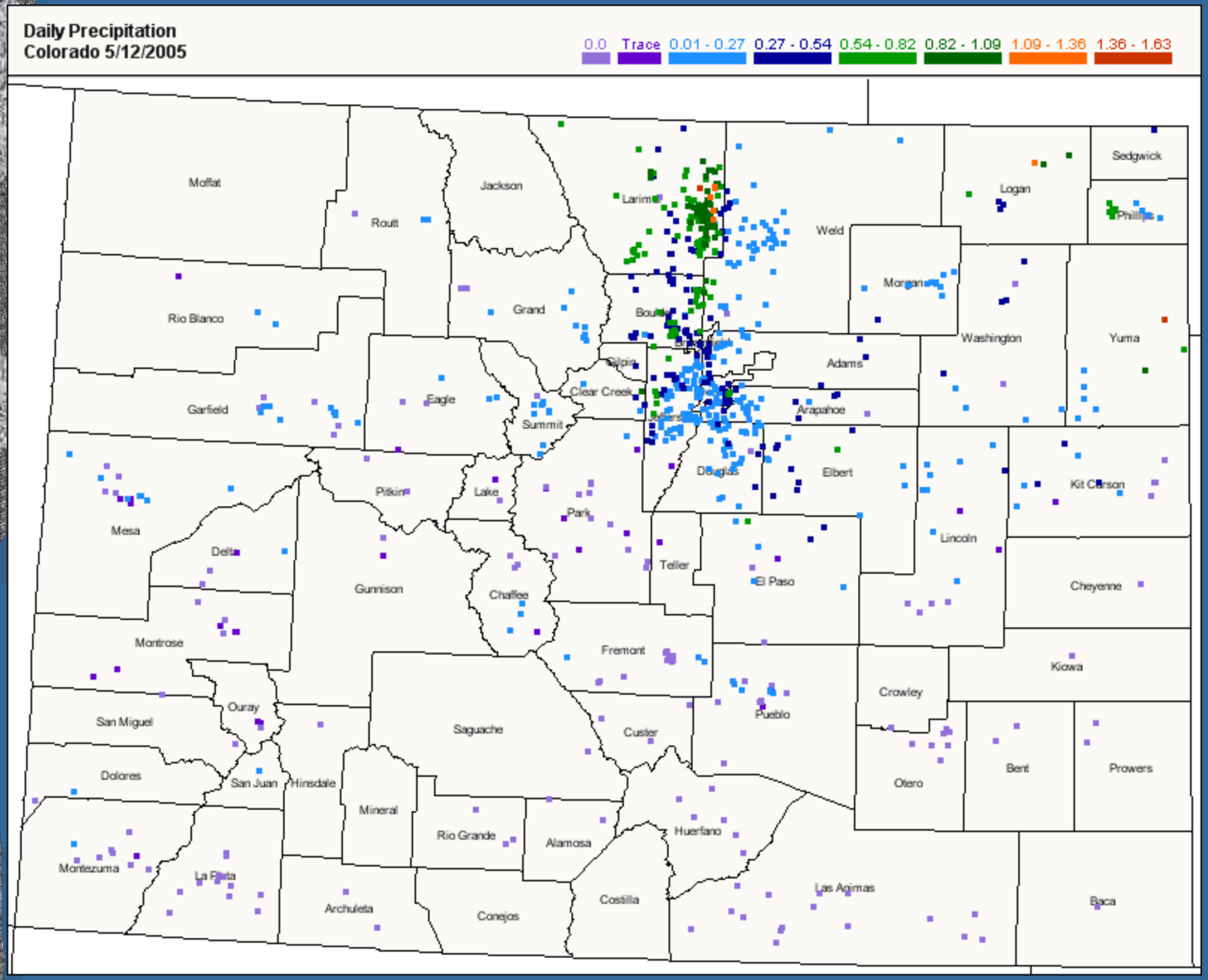
Maximum 1-hour Precipitation vs. Elevation



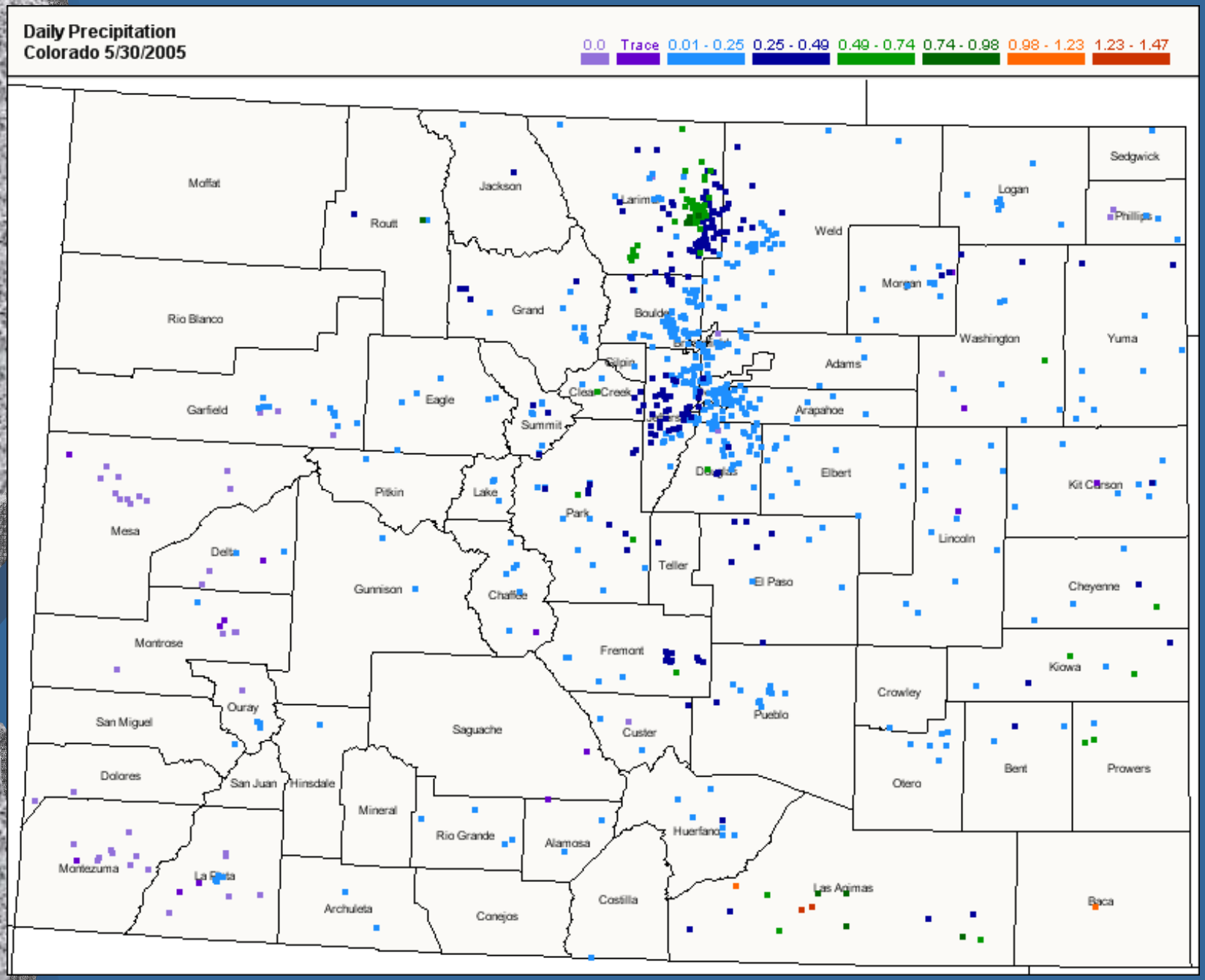
100-year 24-hour Precipitation, in tenths of an inch



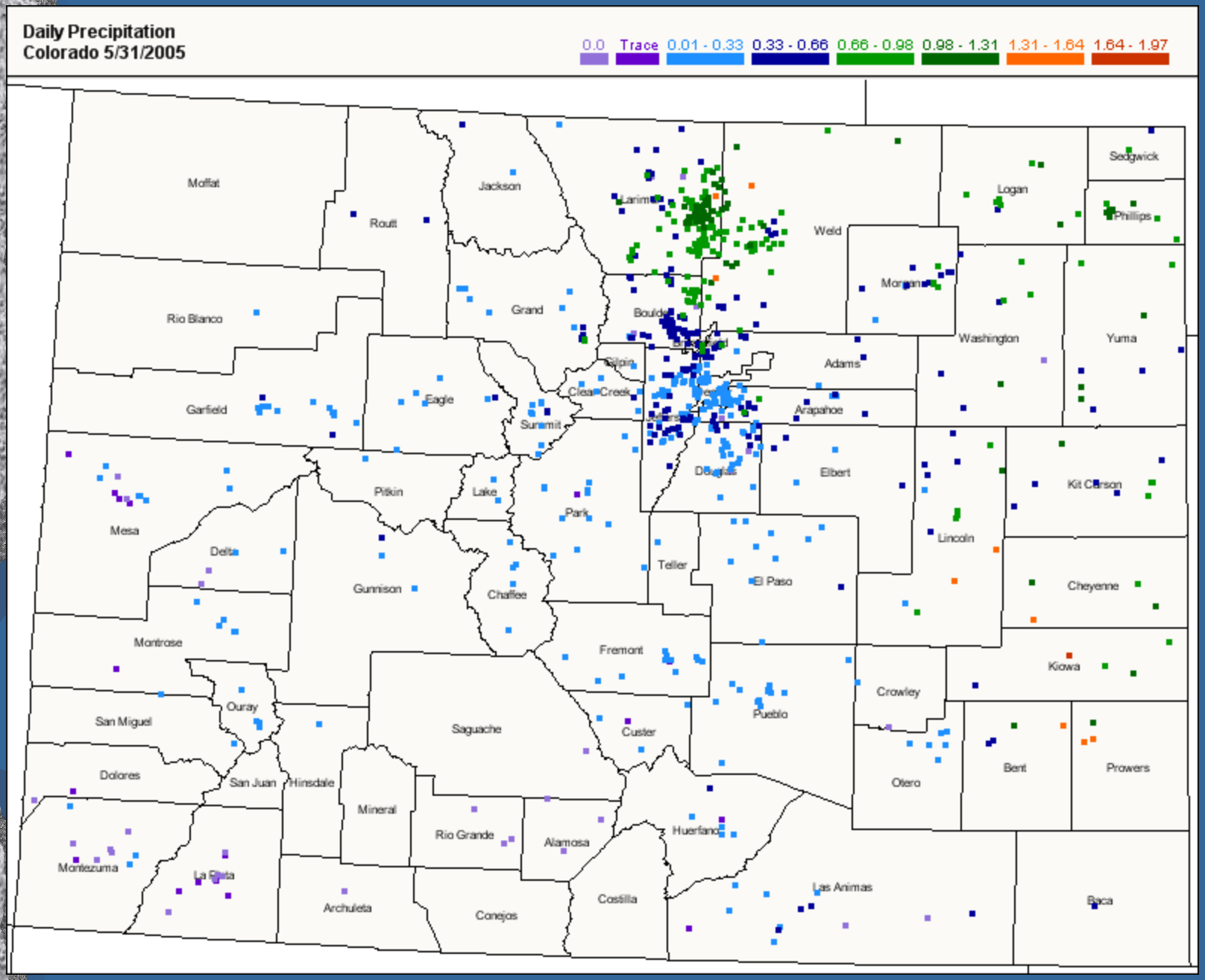
CoCo RaHS Daily Precipitation Map for Colorado, May 12, 2005



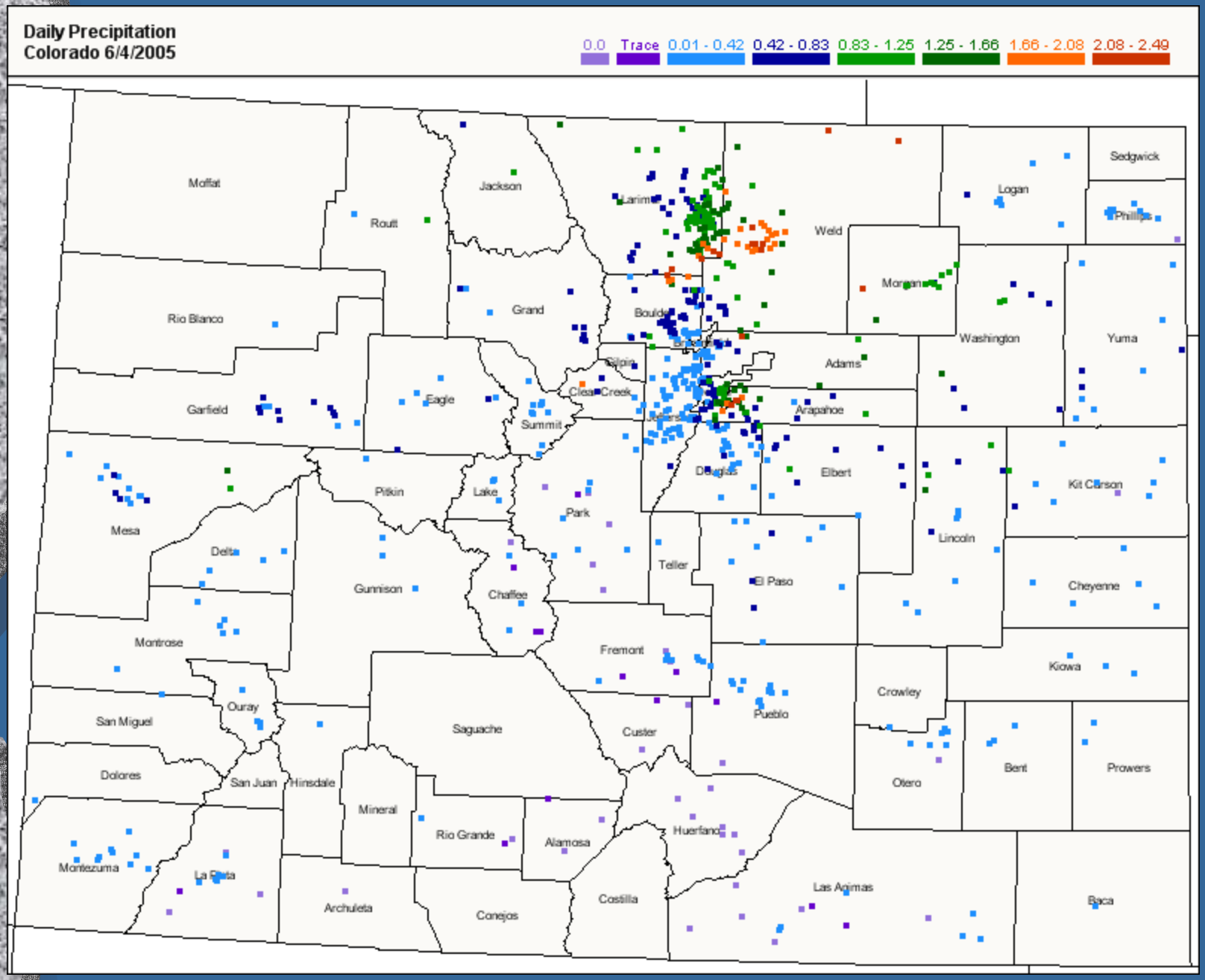
CoCo RaHS Daily Precipitation Map for Colorado, May 30, 2005



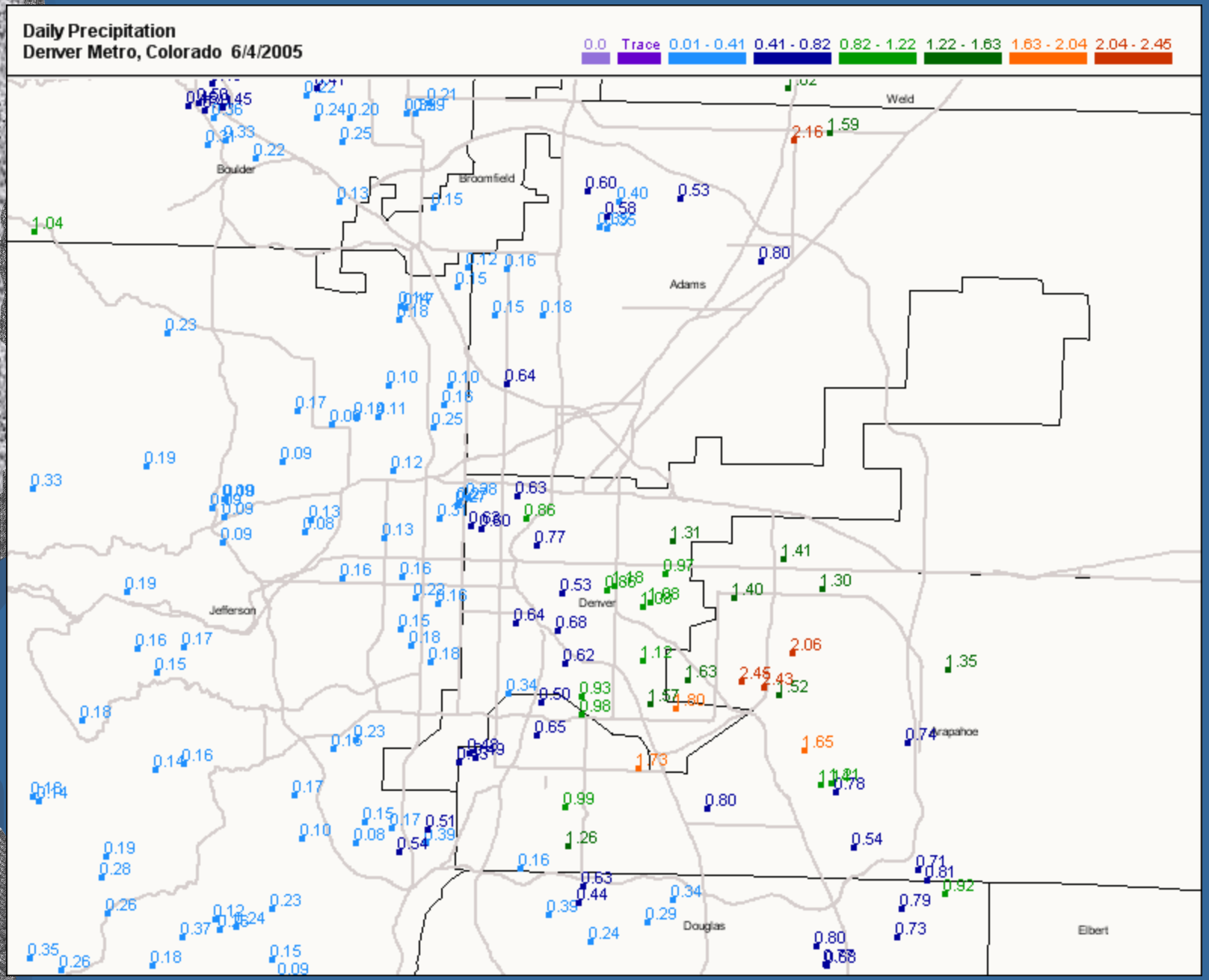
CoCo RaHS Daily Precipitation Map for Colorado, May 31, 2005



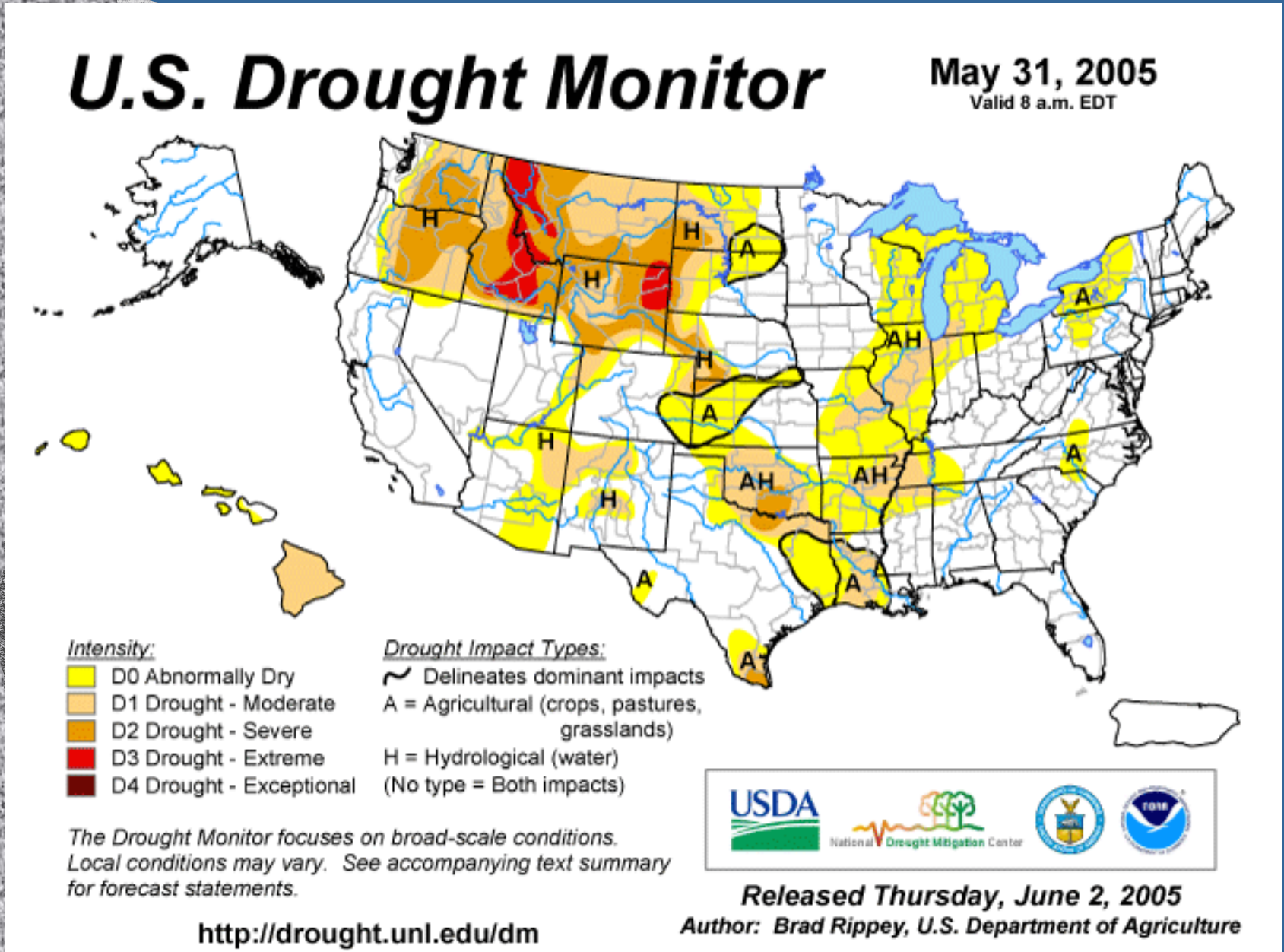
CoCo RaHS Daily Precipitation Map for Colorado, June 4, 2005

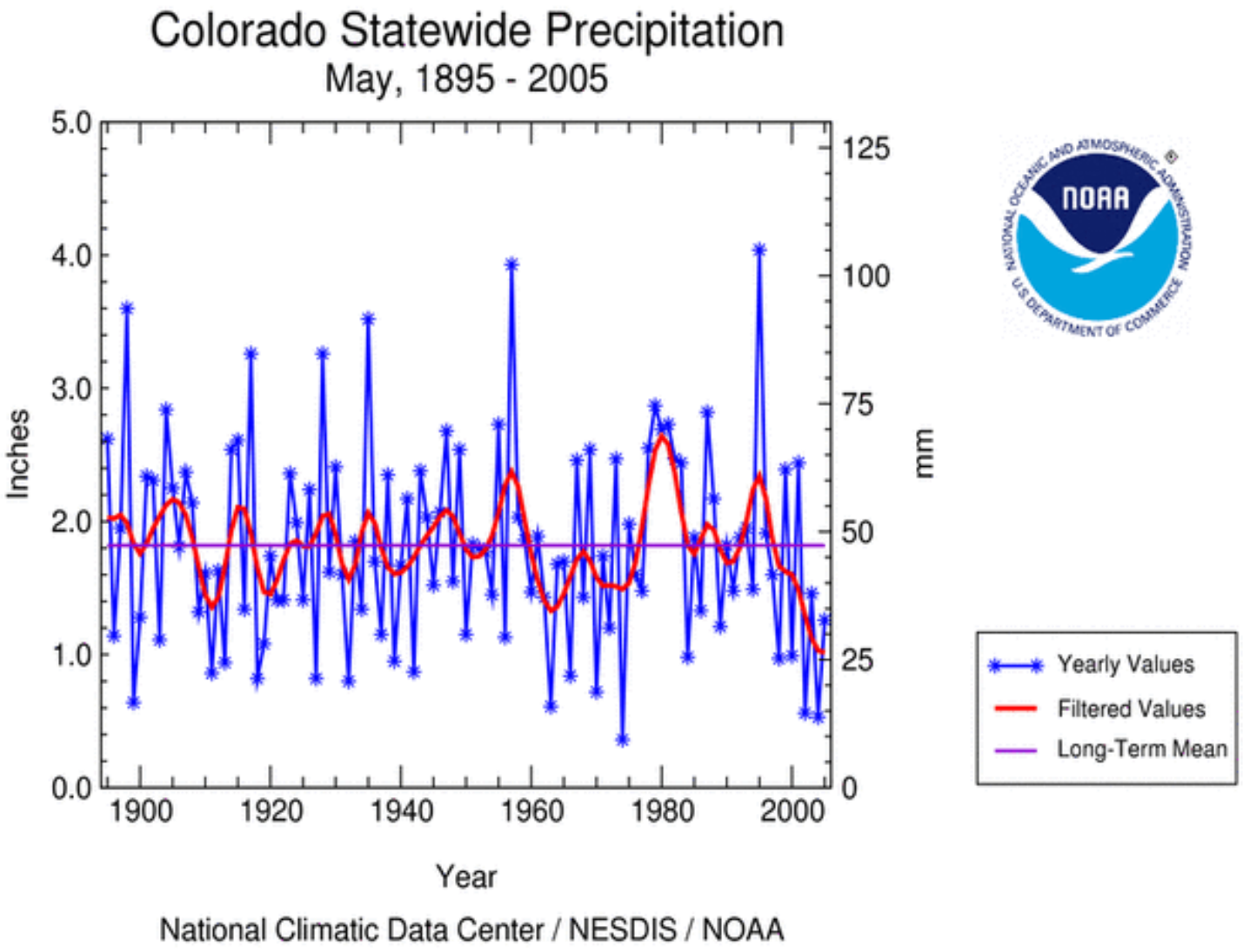


CoCo RaHS Daily Precipitation Map for Denver Metro Area, June 4, 2005

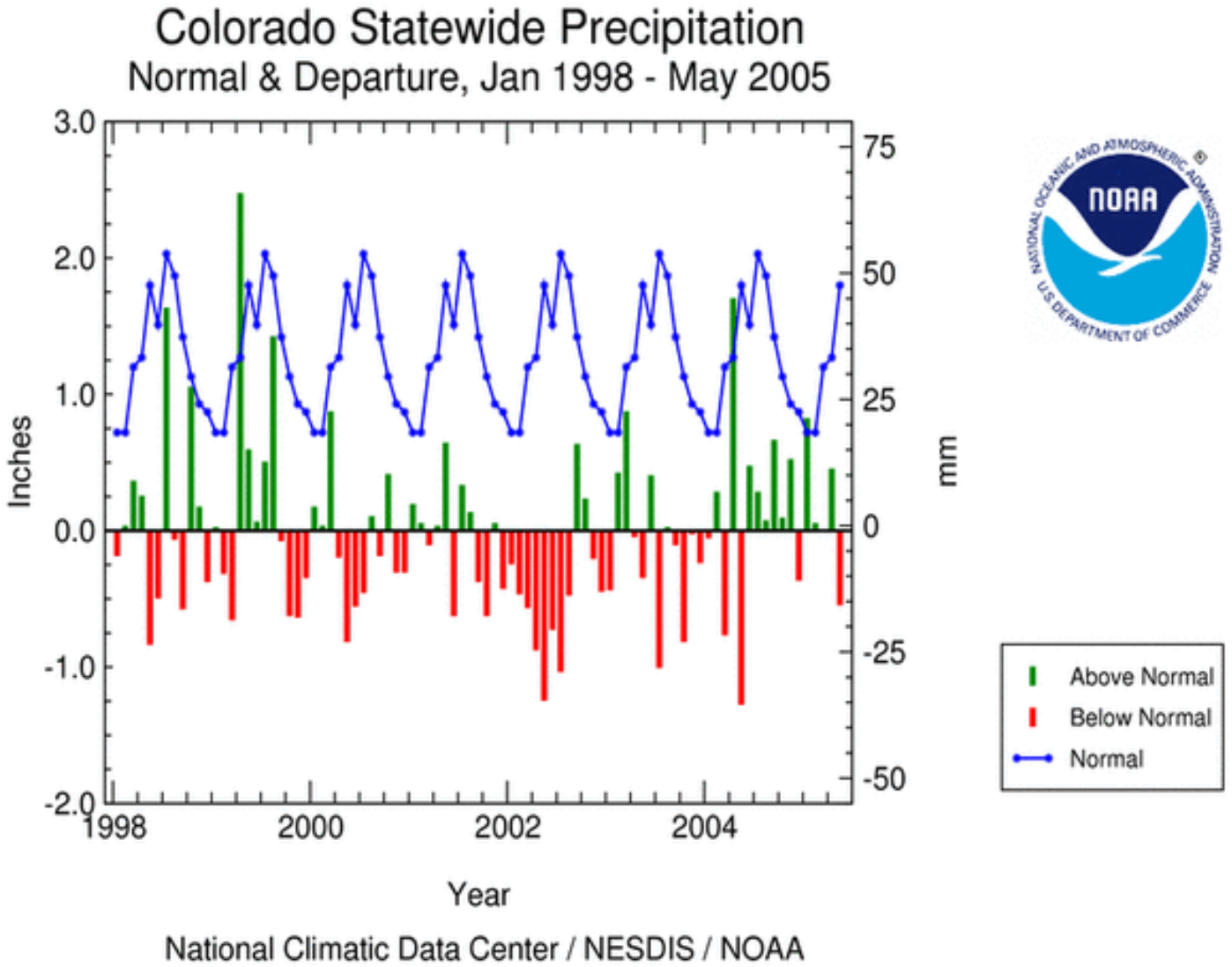


Drought Monitor Map

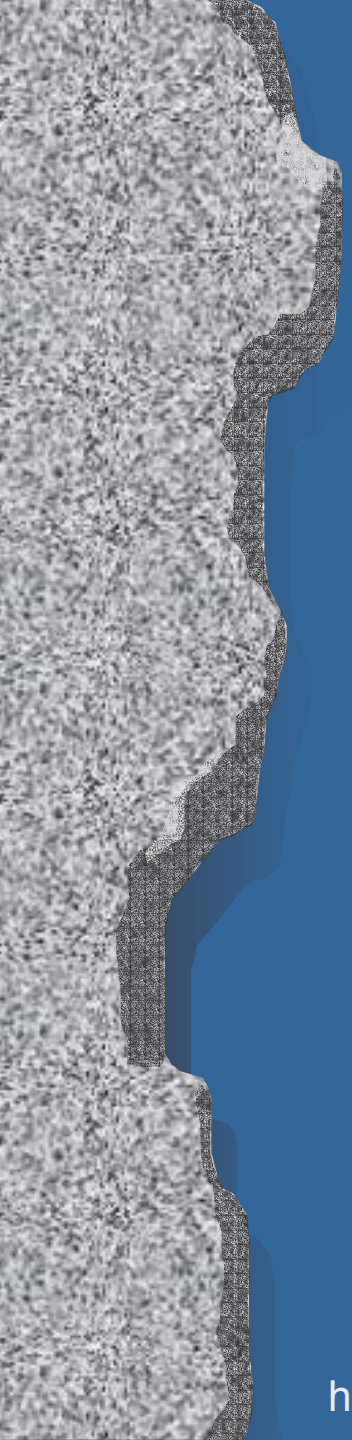




http://www.ncdc.noaa.gov/oa/climate/research/prelim/drought/st005dv00pcp.html



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



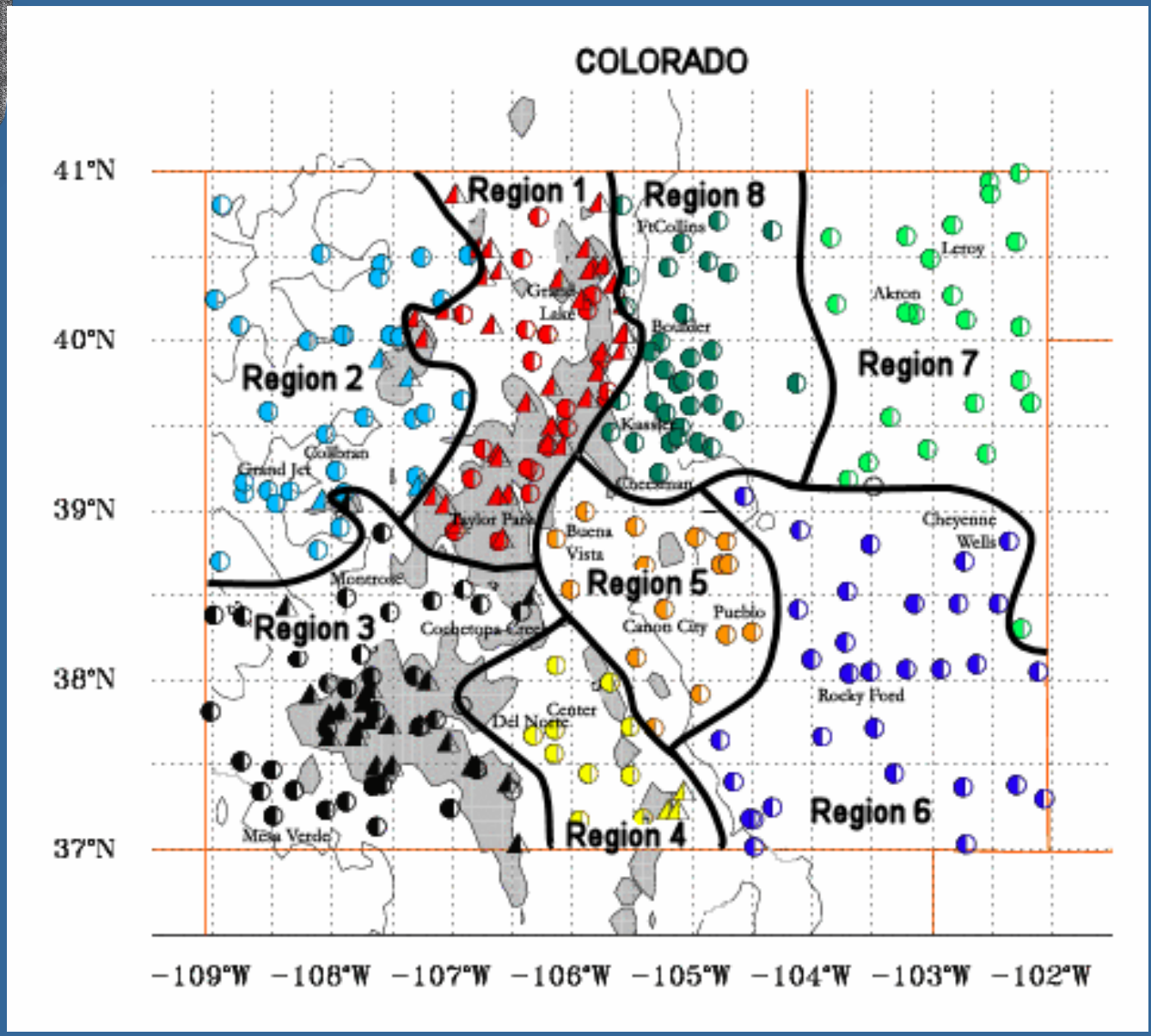
Statewide Precipitation Ranks for Colorado , 2004-2005

Period	Rank
May	26th driest
Apr-May	39th driest
Mar-May	45th driest
Feb-May	41st driest
Jan-May	45th wettest (67th driest)
Dec-May	51st wettest (60th driest)
Nov-May	37th wettest (74th driest)
Oct-May	39th wettest (72nd driest)
Sep-May	27th wettest (84th driest)
Aug-May	31st wettest (80th driest)
Jul-May	28th wettest (83rd driest)
Jun-May	24th wettest (86th driest)

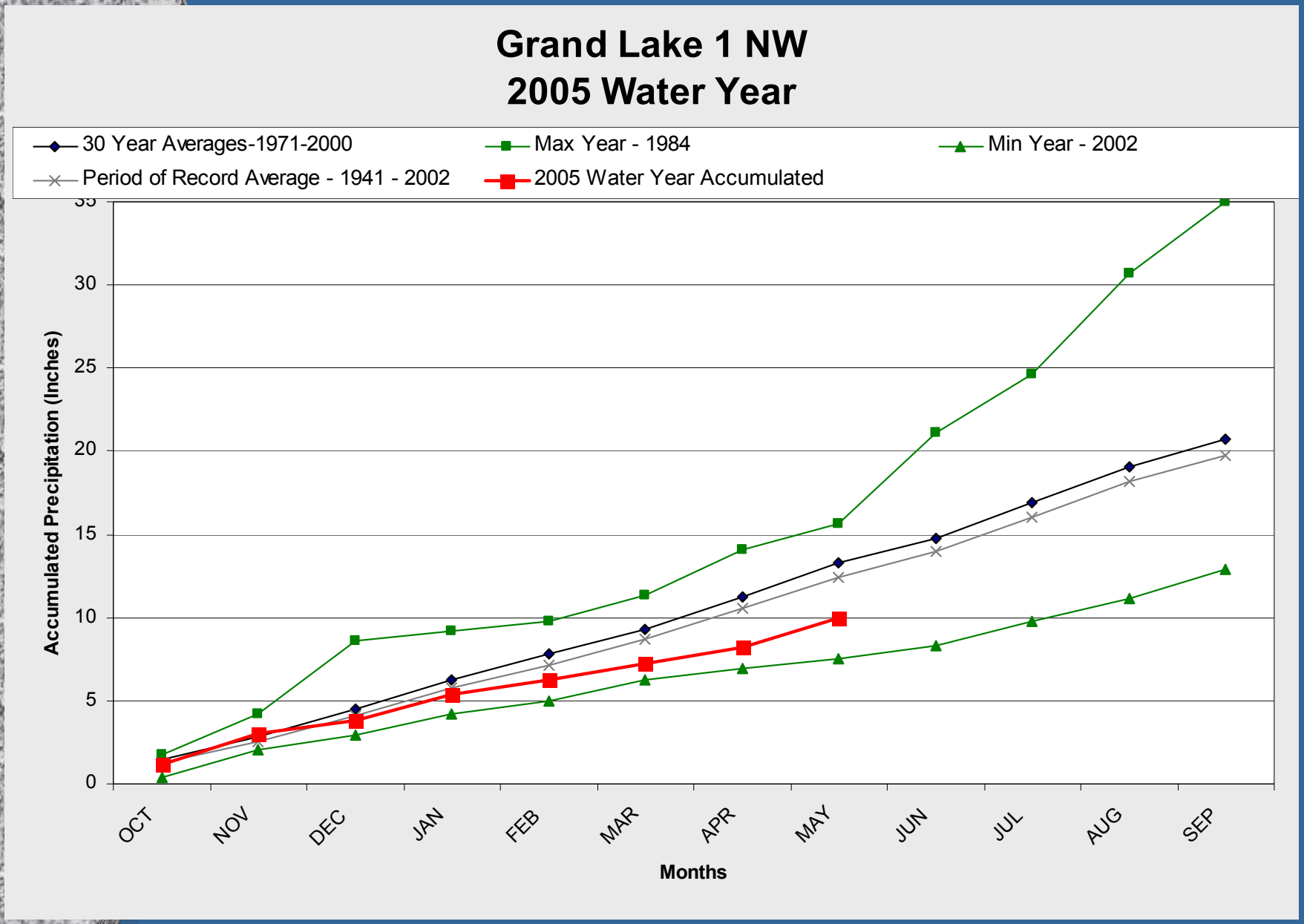
Colorado Precipitation Ranking 1895-2005

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

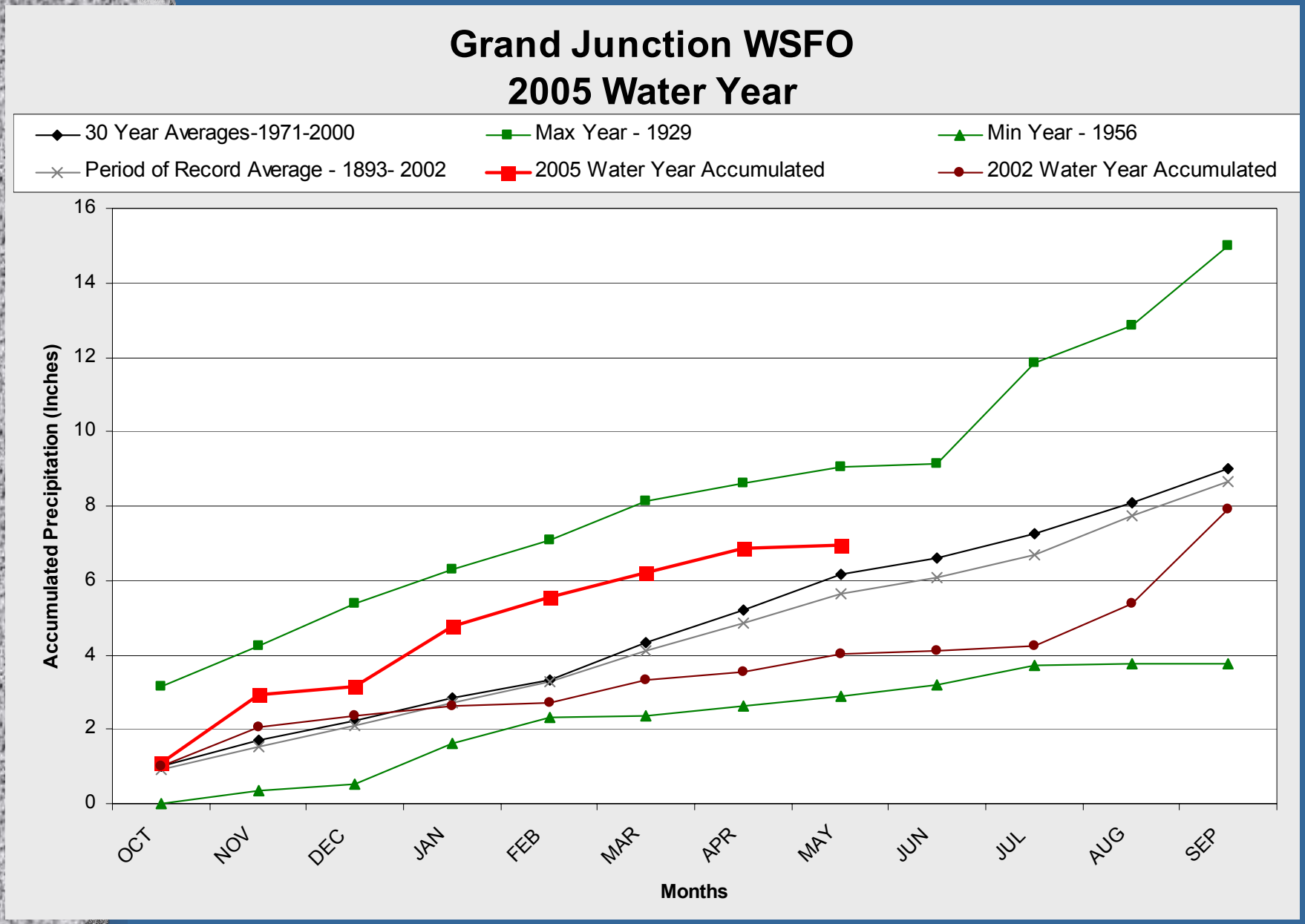
Climate divisions defined by Dr. Klaus Wolter of NOAA's Climate Diagnostic Center in Boulder, CO



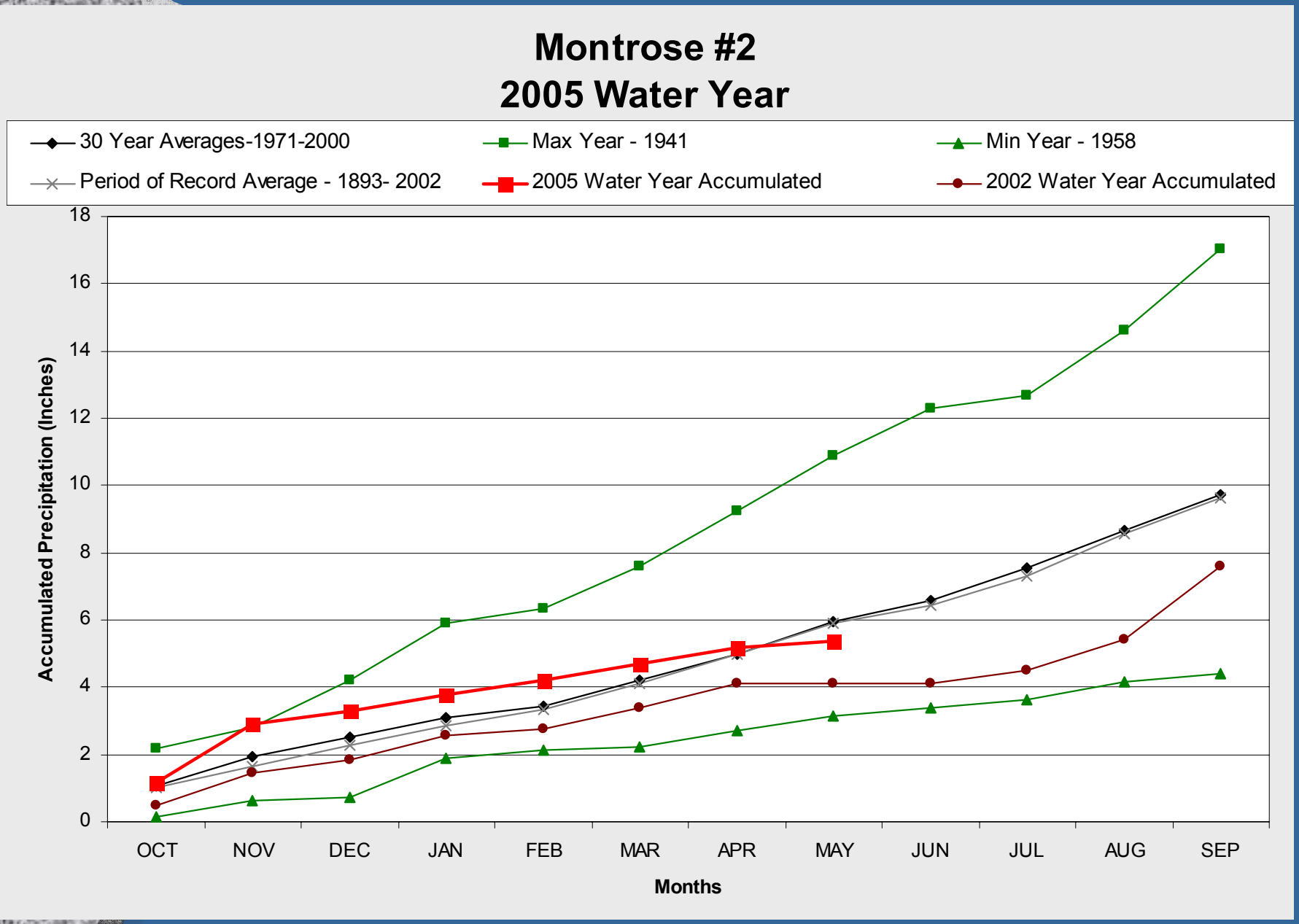
Division 1– Grand Lake 1NW



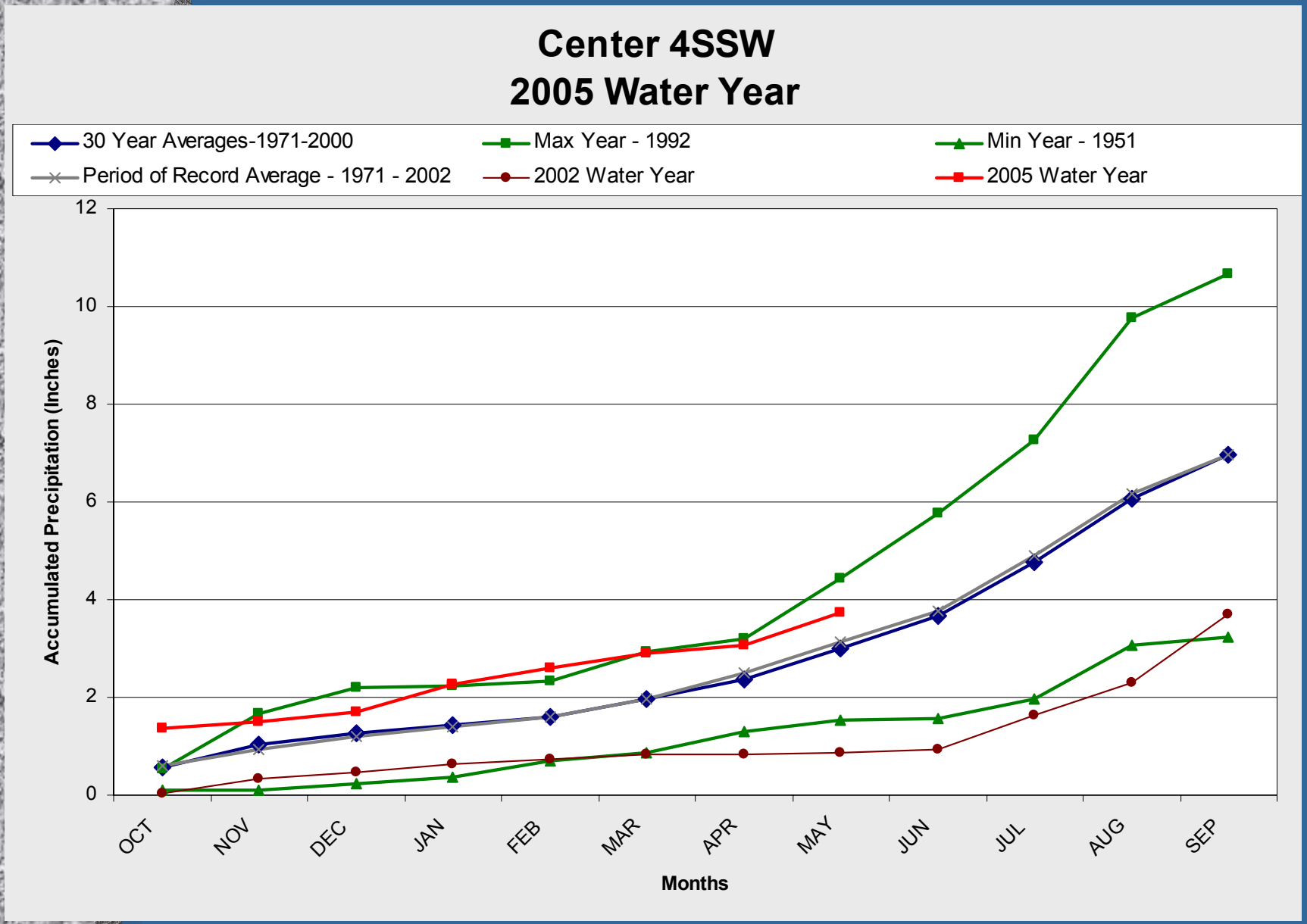
Division 2 – Grand Junction



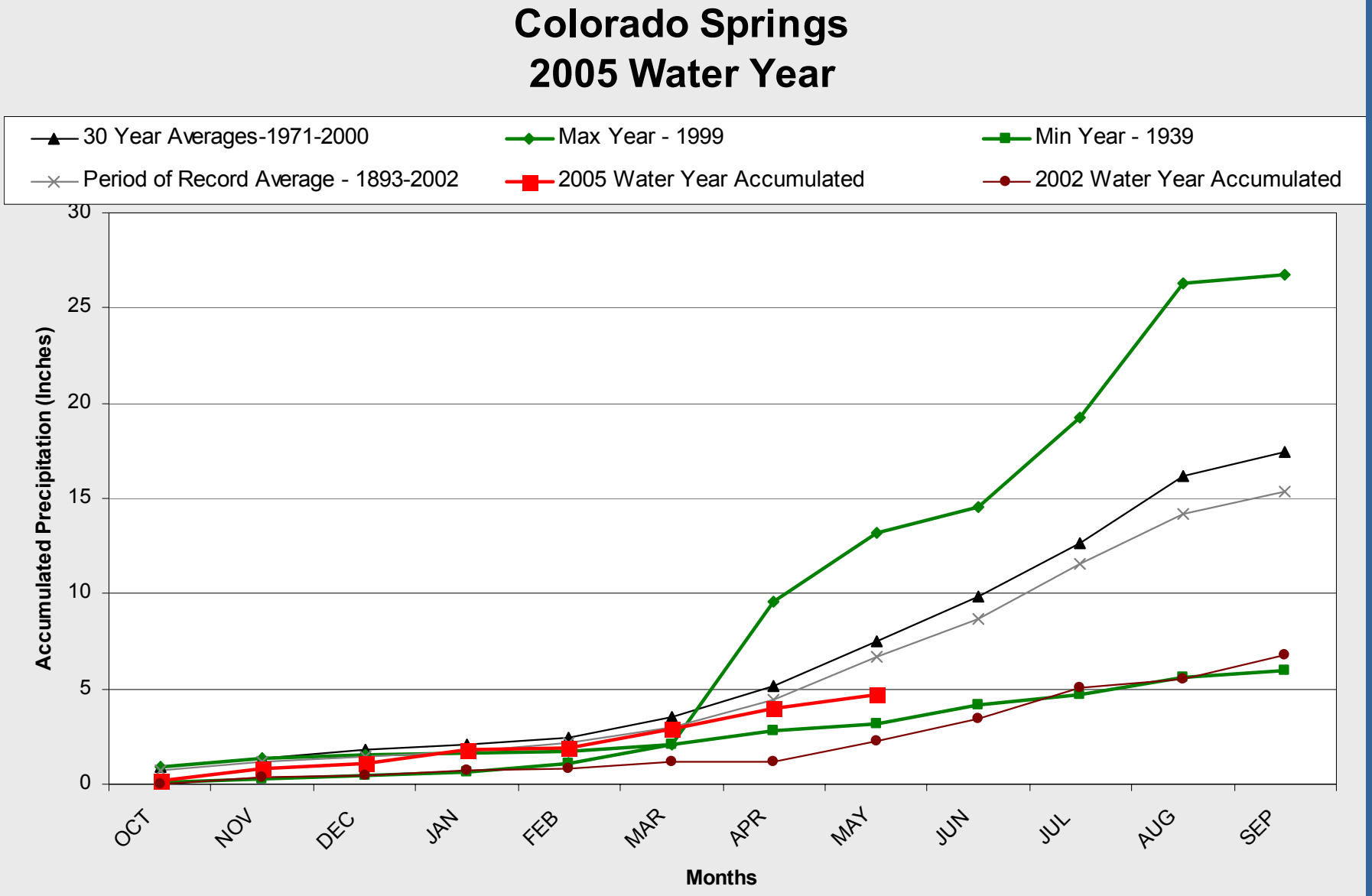
Division 3 – Montrose



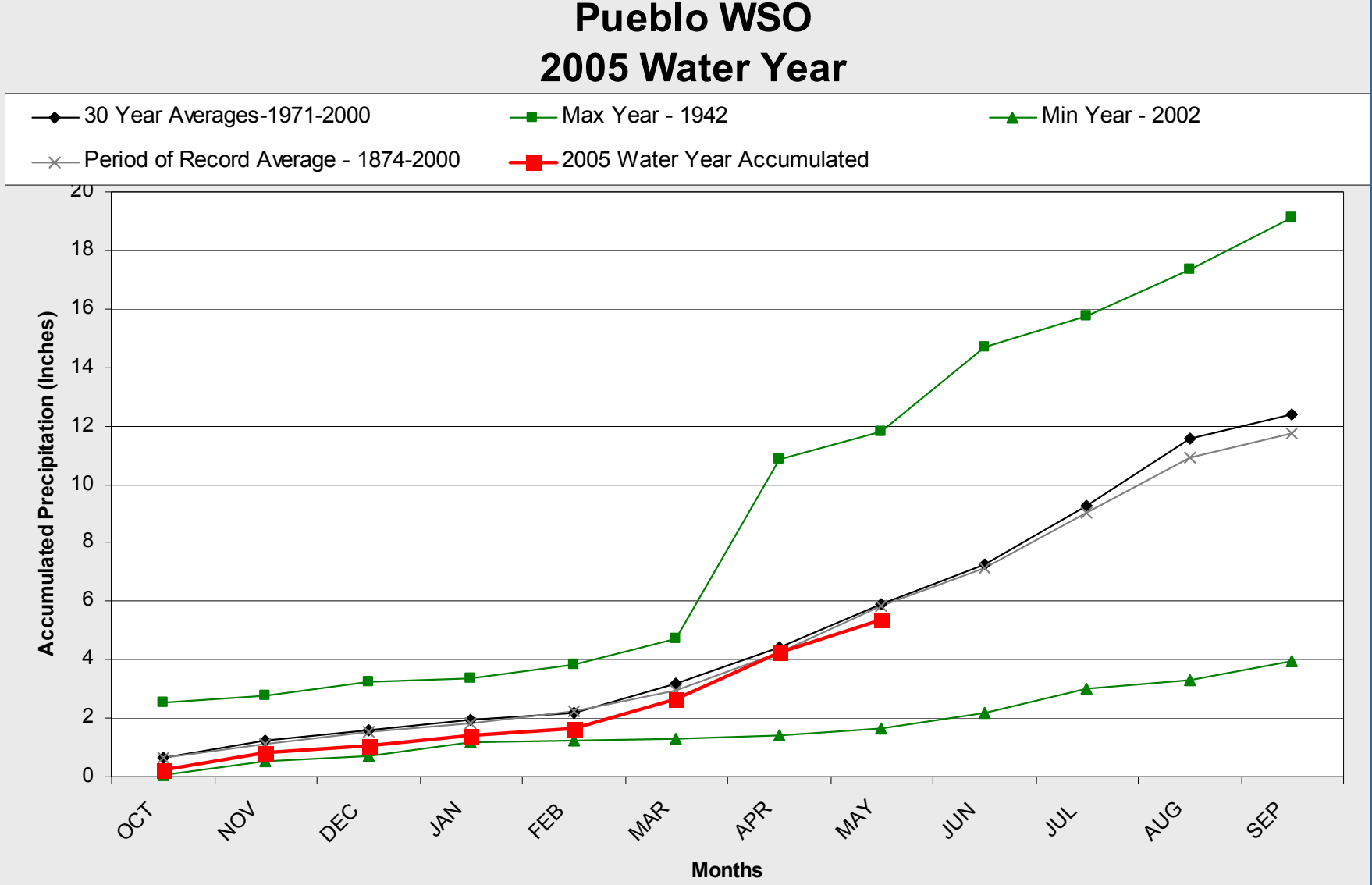
Division 4 – Center



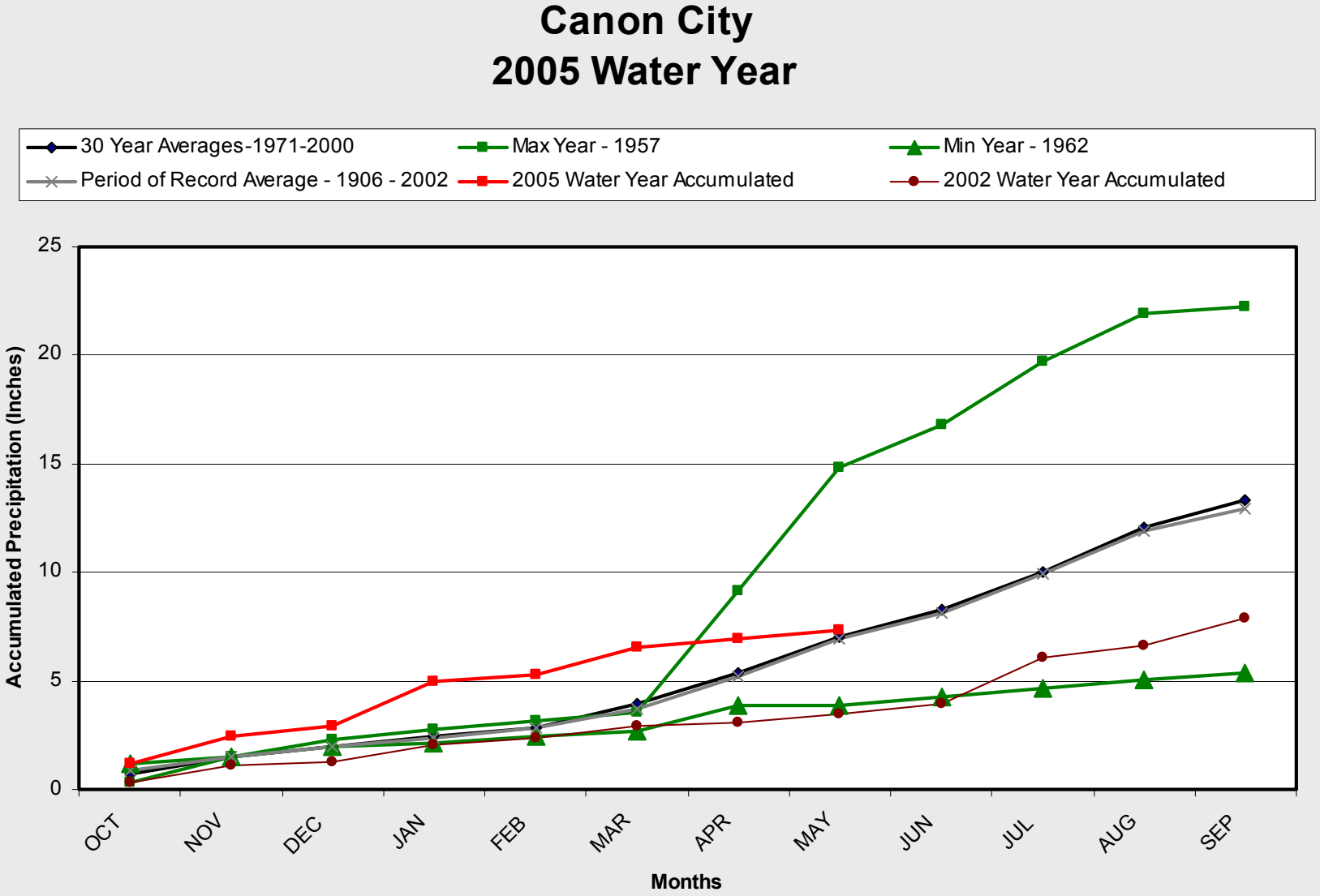
Division 5 – Colorado Springs



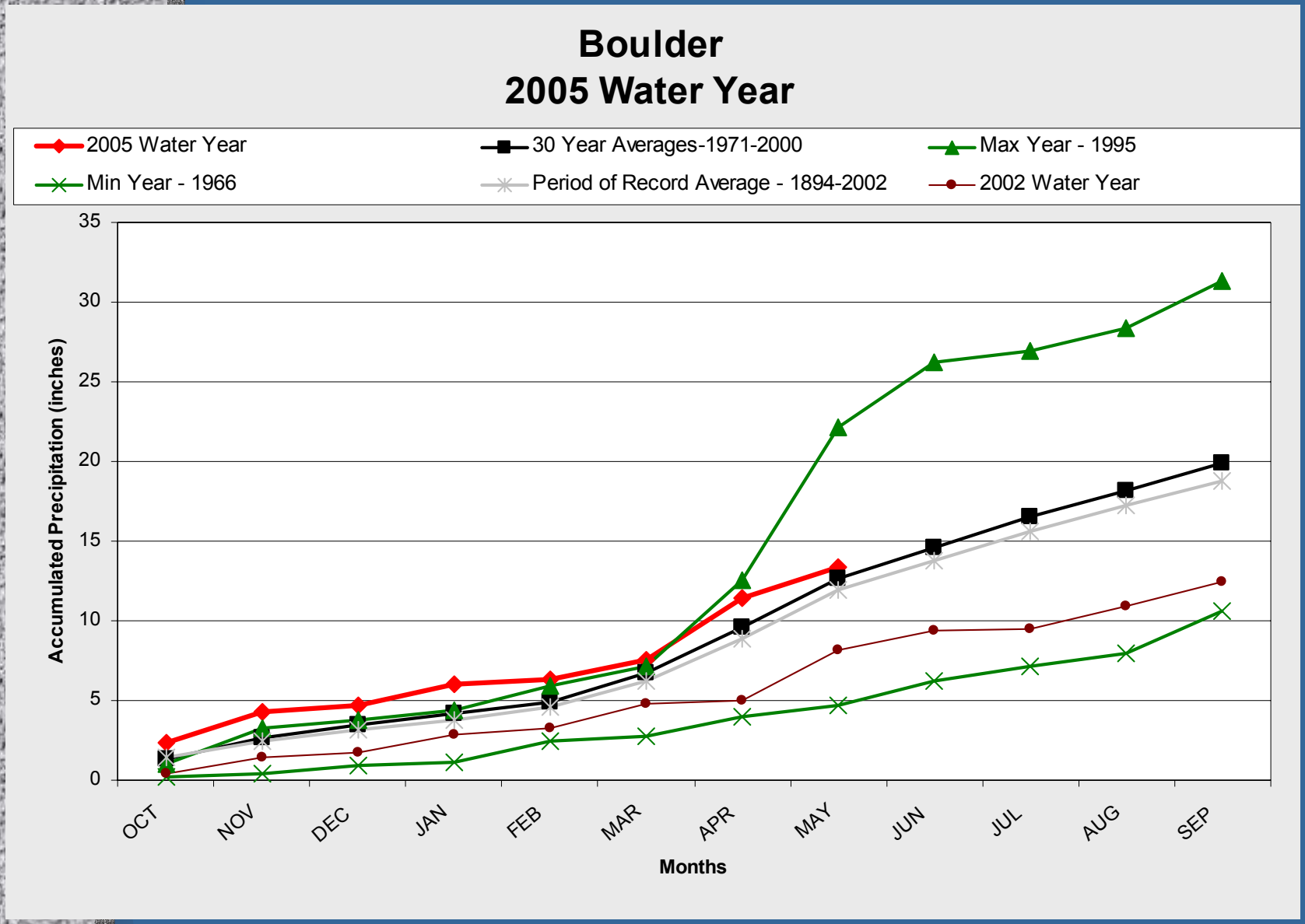
Division 5 – Pueblo



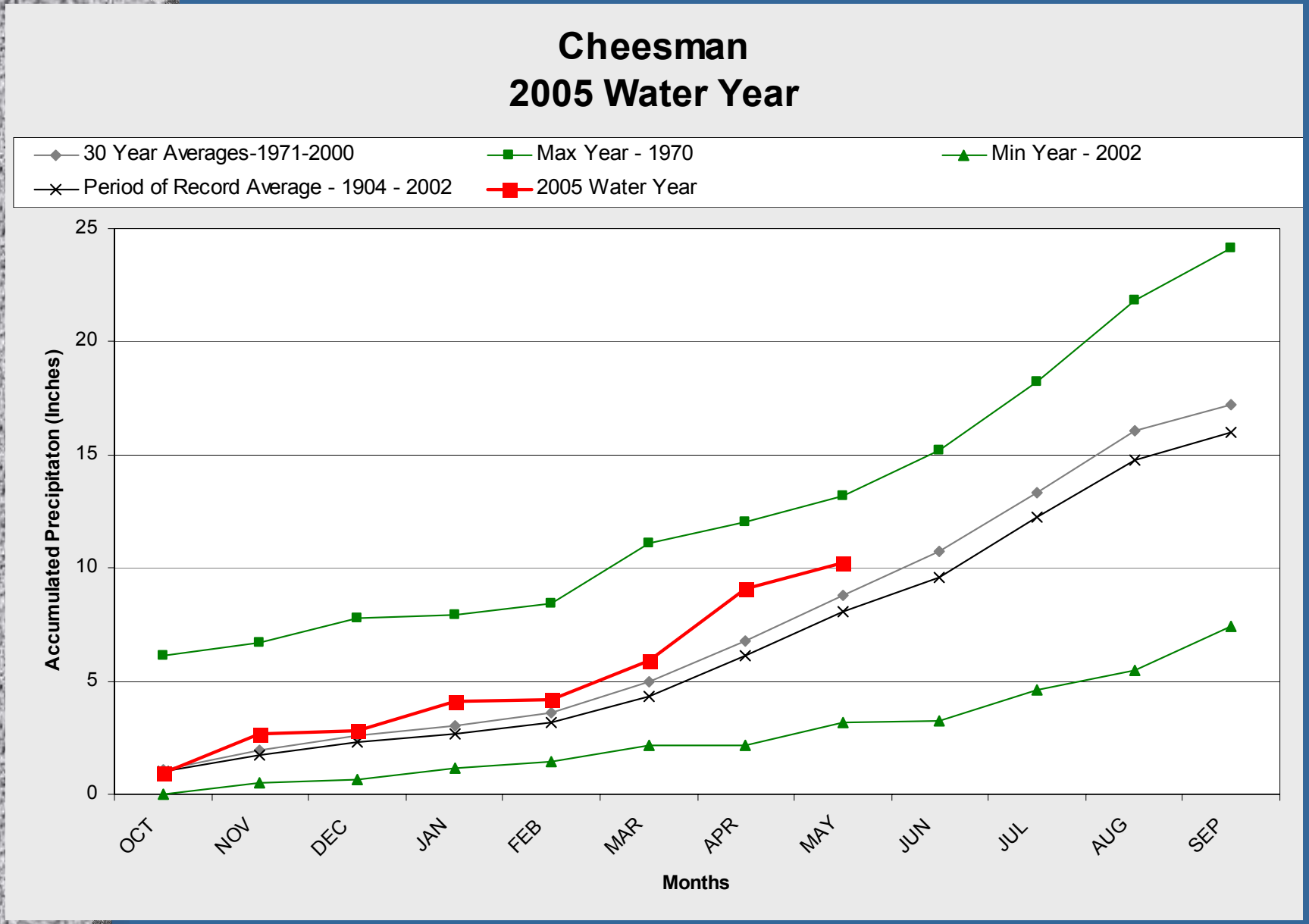
Division 5 – Canon City



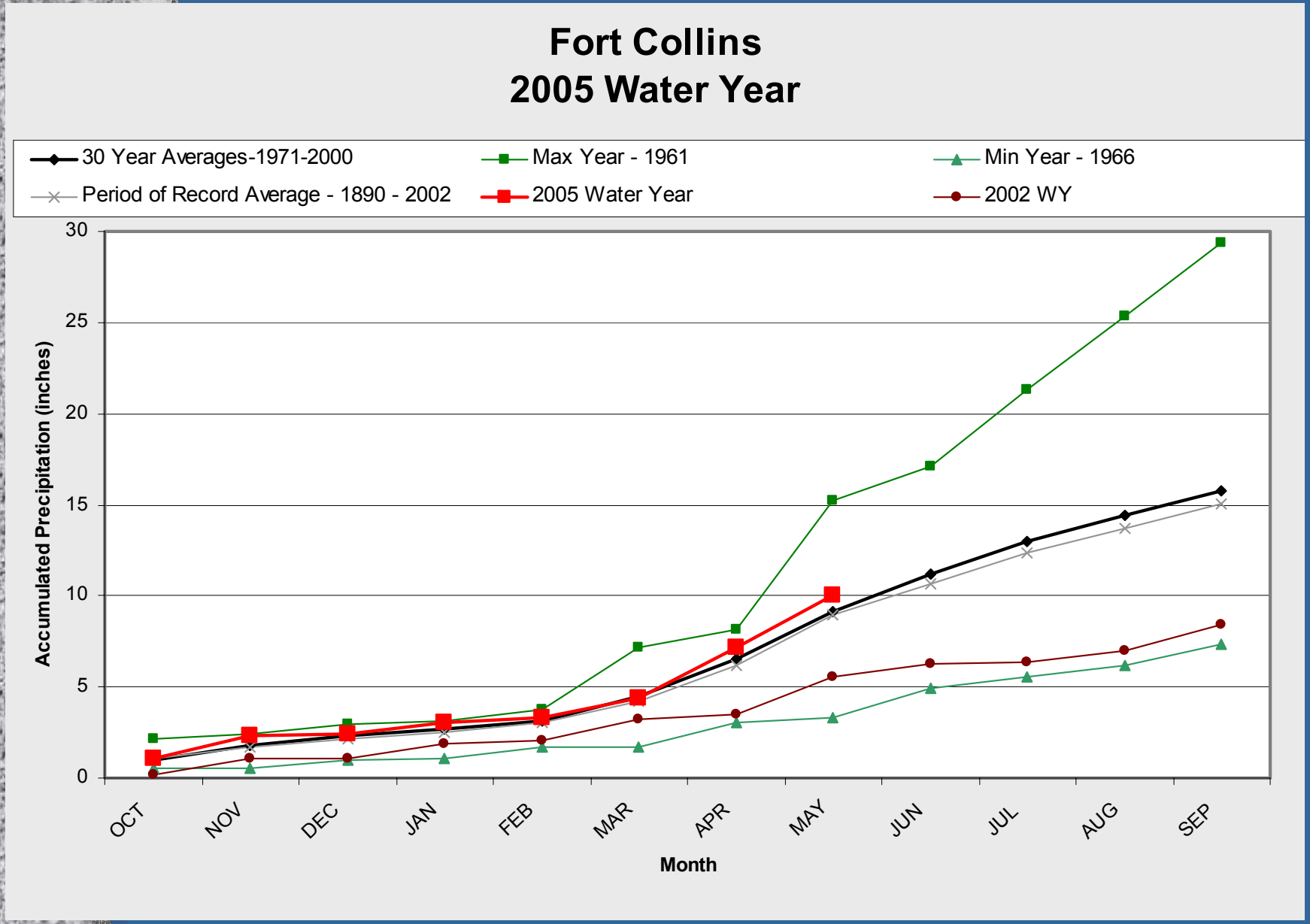
Division 8 – Boulder



Division 8 – Cheesman



Division 8 – Fort Collins



Colorado Climate Center

Colorado State University

Data and Power Point Presentations available for downloading

http://ccc.atmos.colostate.edu

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