

Drought Update

April 13, 2004 WATF meeting

Roger A. Pielke, Sr., Director
Colorado Climate Center

(presented at the WTF meeting, Thornton, Colo.)

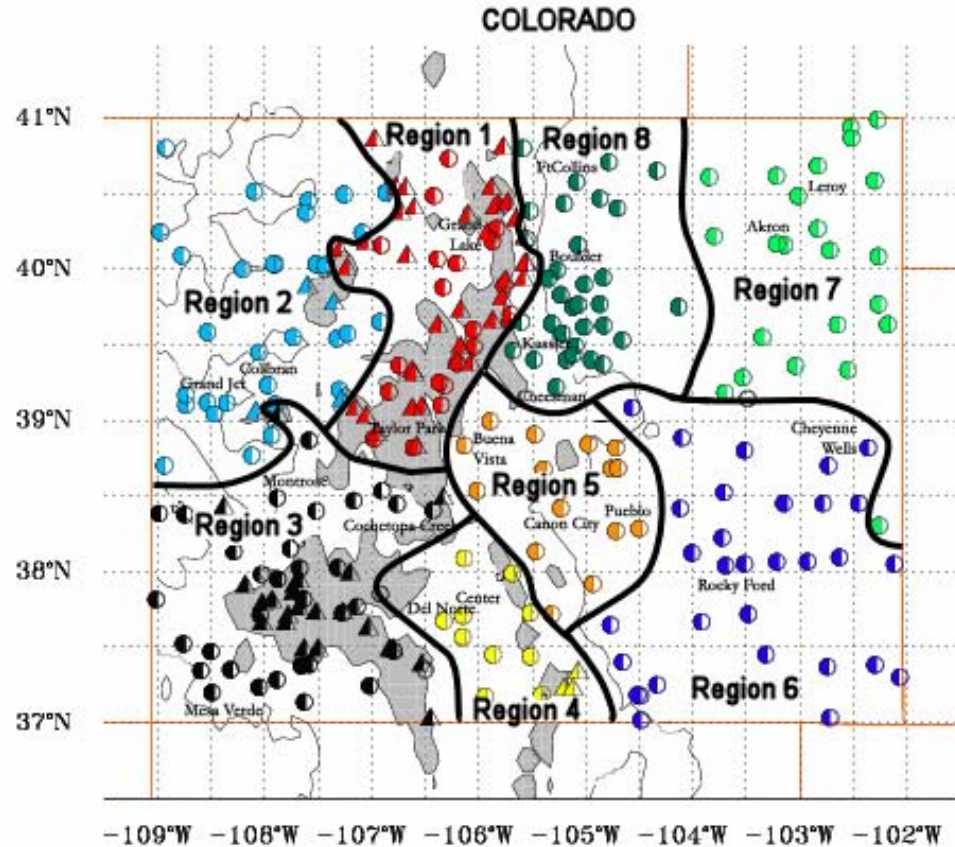
Prepared by Odie Bliss



<http://ccc.atmos.colostate.edu>



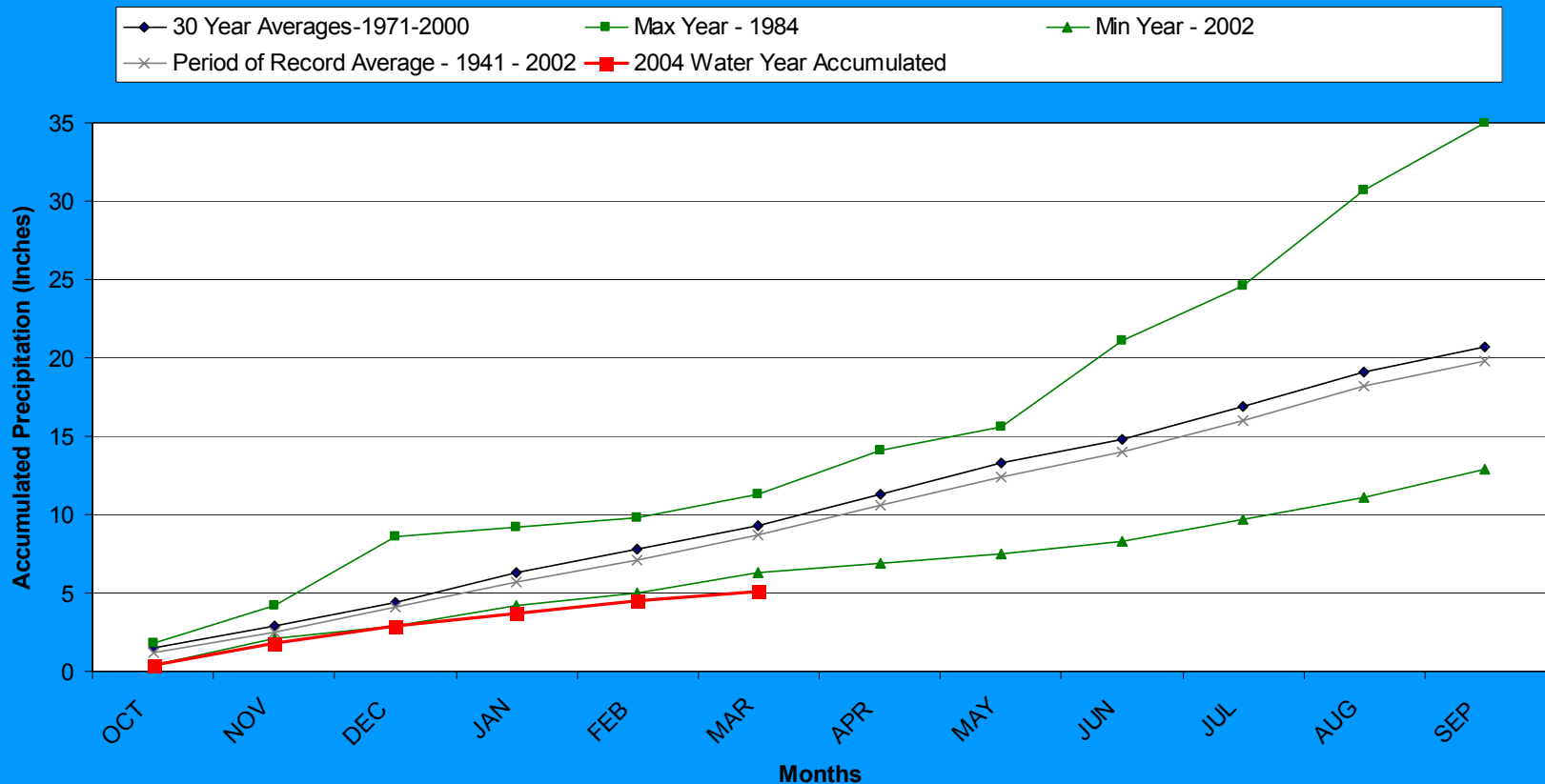
Climate divisions defined by Dr. Klaus Wolter of NOAA's Climate Diagnostic Center in Boulder, CO



COOP	SNOTEL	IND		COOP	SNOTEL	IND	
●	▲	1		●	▲	6	
●	▲	2		●	▲	7	
●	▲	3		●	▲	8	
●	▲	4					
●	▲	5					
○	△	Stations not assigned to an index					

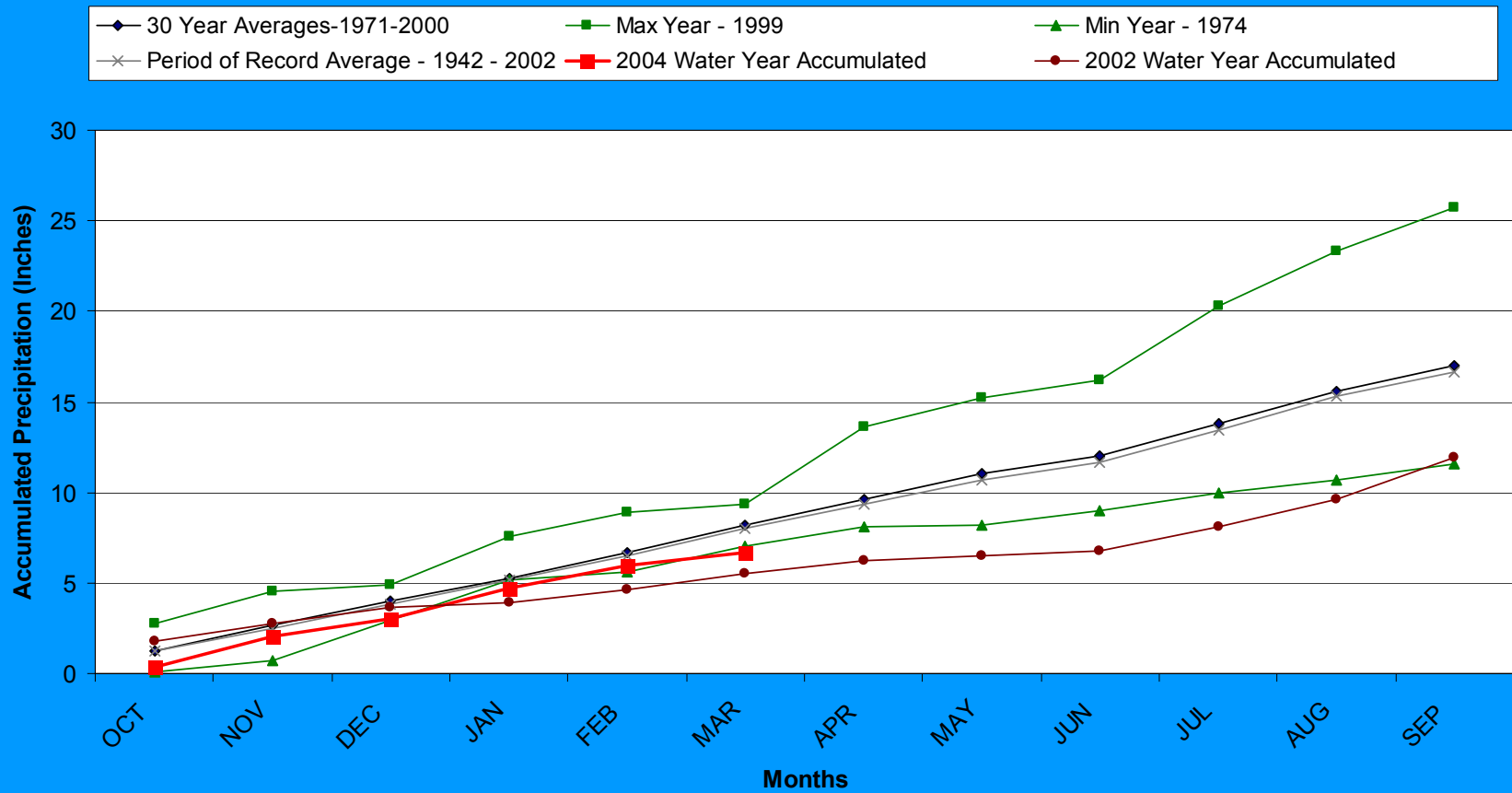
Division 1- Grand Lake 1NW

Grand Lake 1 NW 2004 Water Year (through Oct '03 - Mar '04)



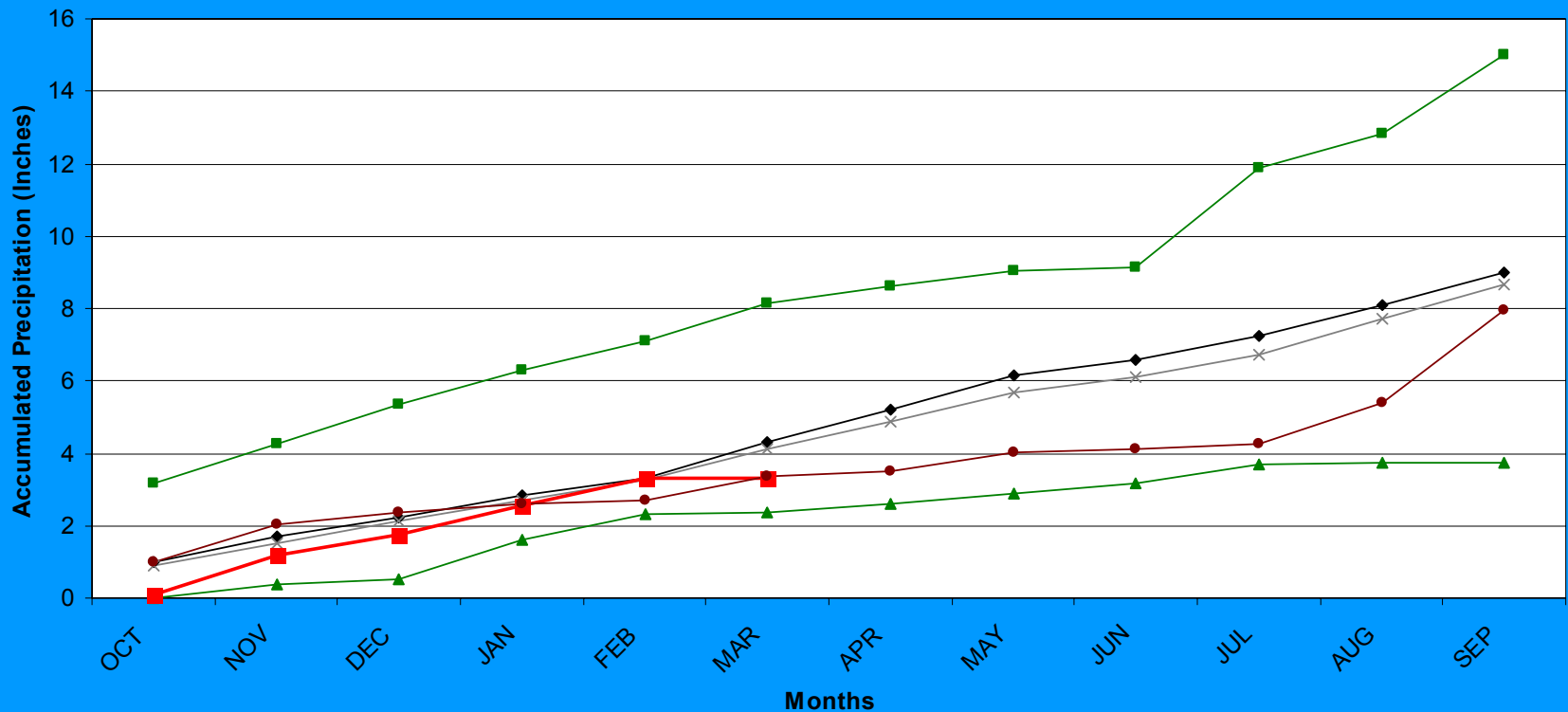
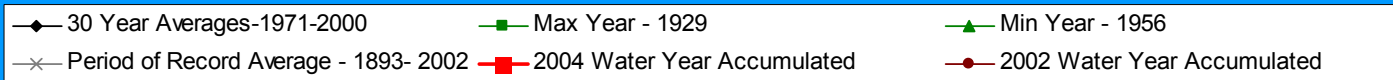
Division 1- Taylor Park

Taylor Park 2004 Water Year (through Oct '03 - Mar '04)



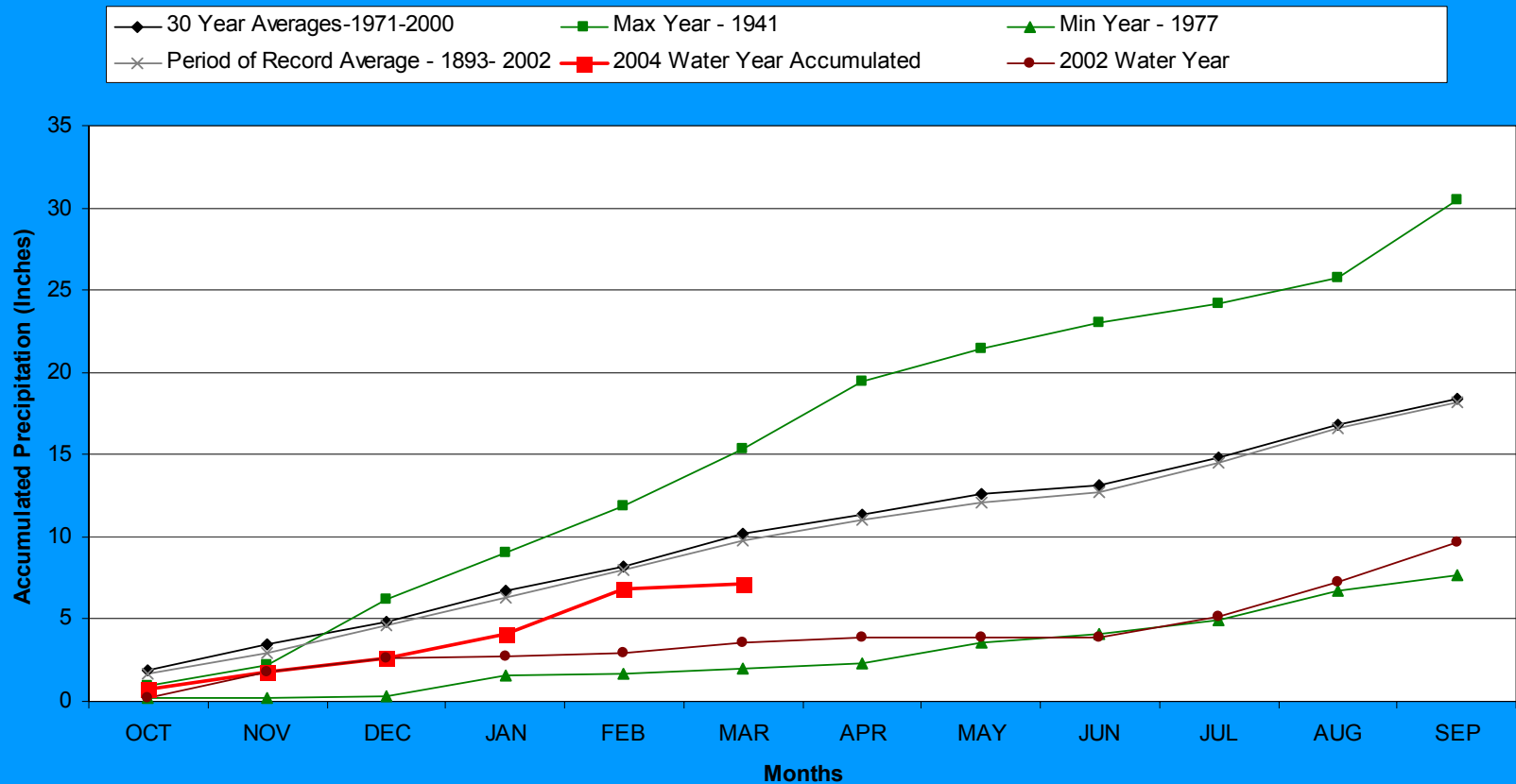
Division 2 – Grand Junction

Grand Junction WSFO 2004 Water Year (through Oct '03 - Mar '04)



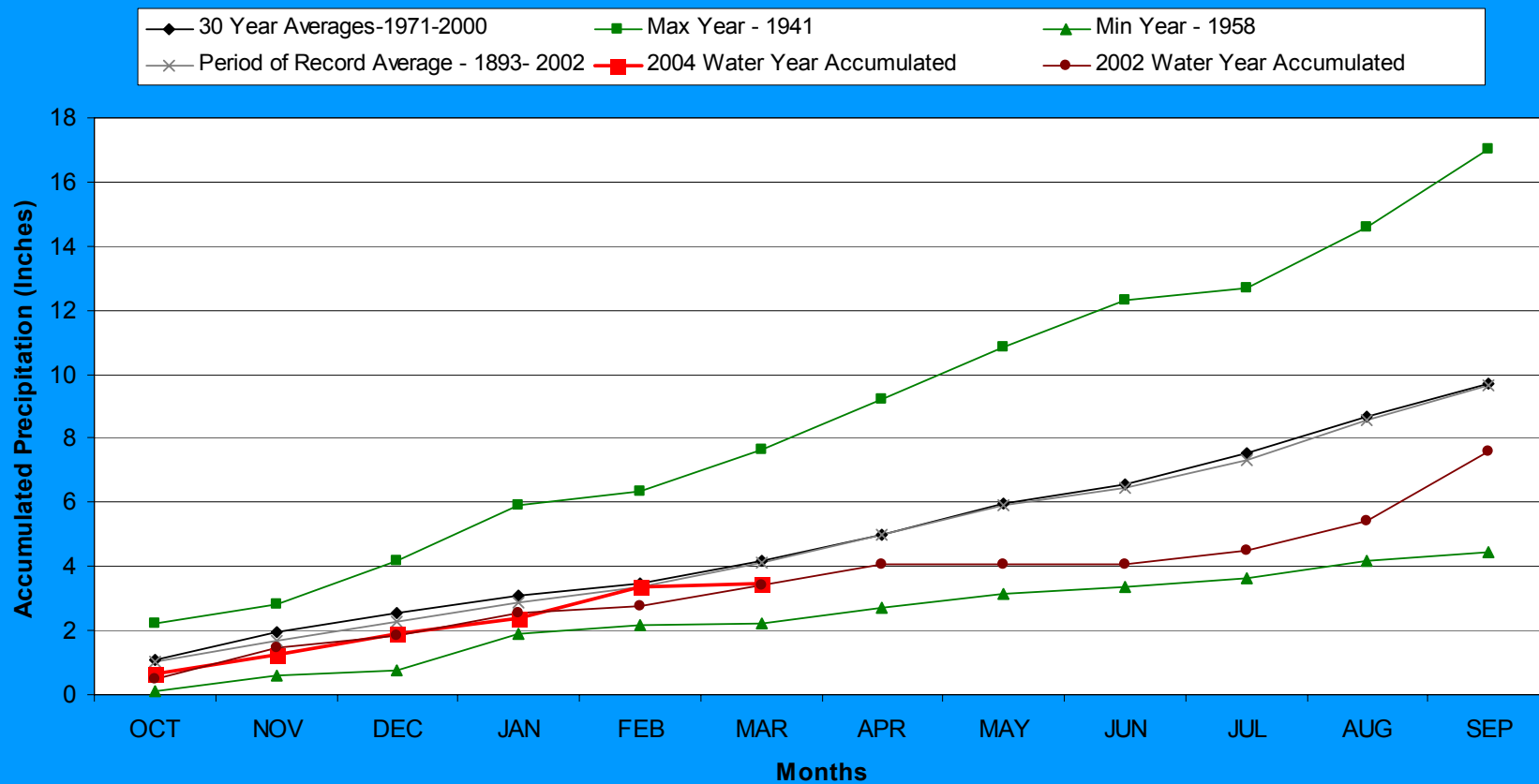
Division 3 – Mesa Verde

Mesa Verde NP 2004 Water Year (through Oct '03 - Mar '04)



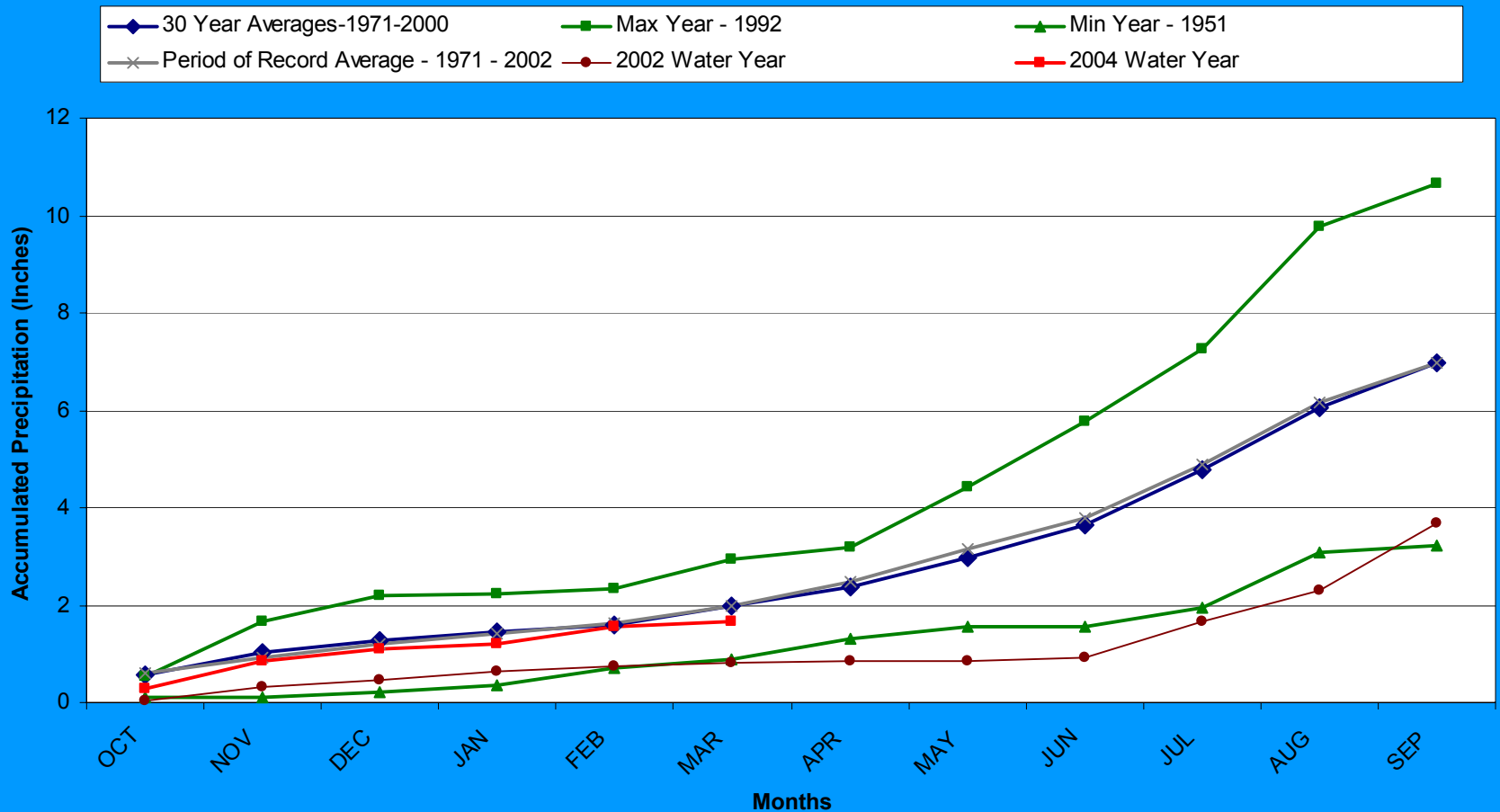
Division 3 - Montrose

Montrose #2 2004 Water Year (through Oct '03 - Mar '04)



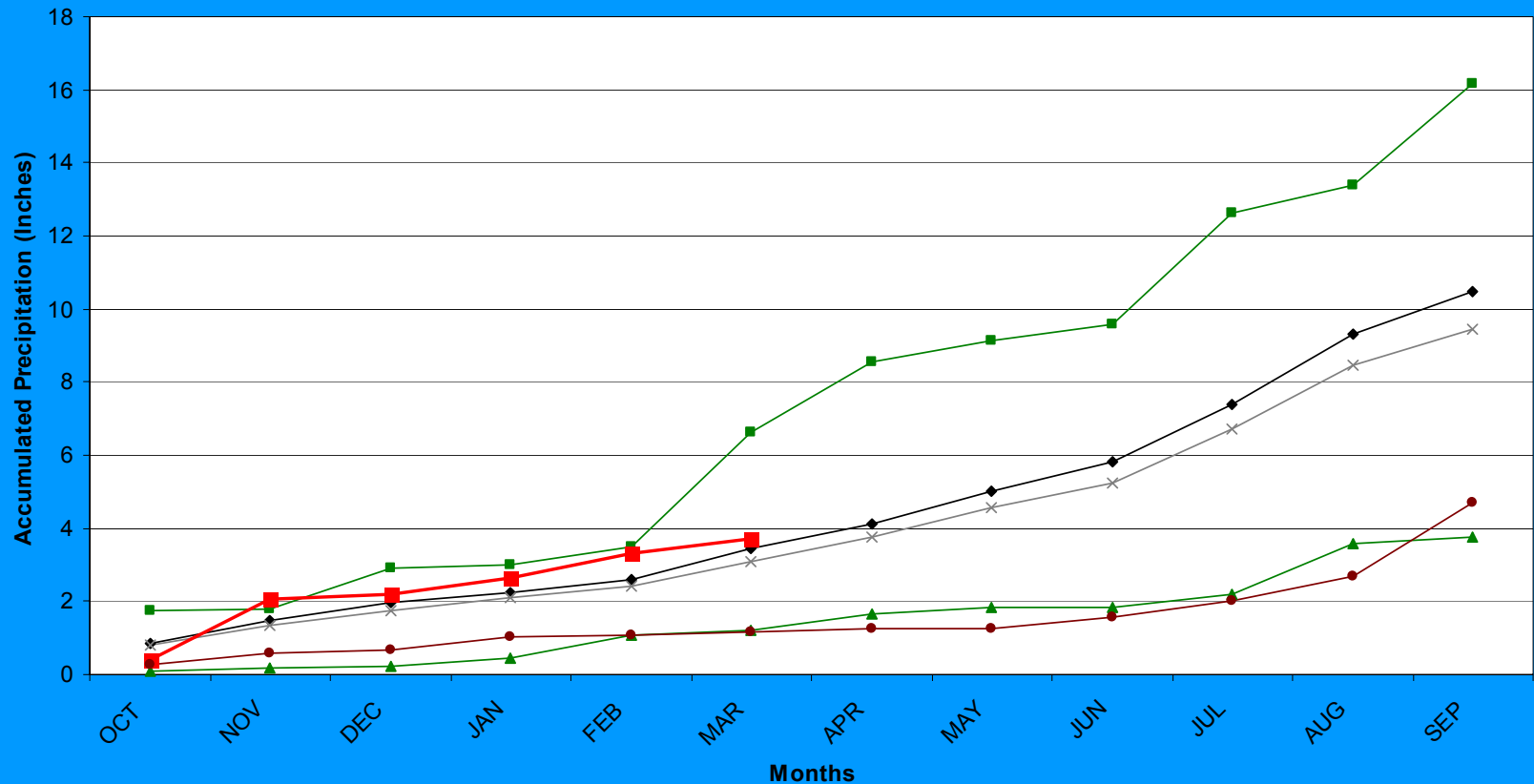
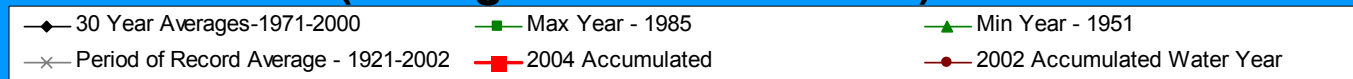
Division 4 - Center

Center 4SSW 2004 Water Year (through Oct '03 - Mar'04)



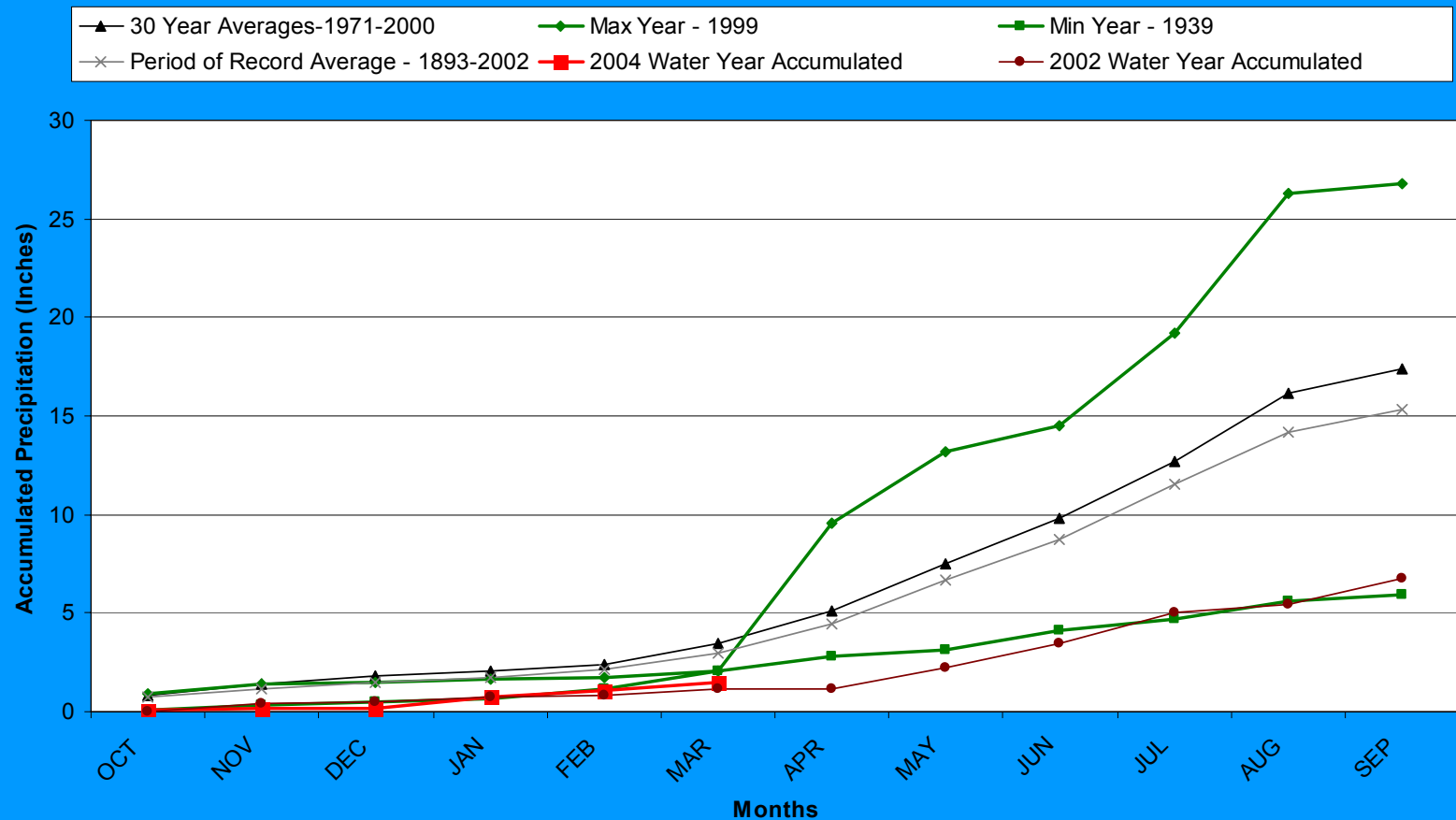
Division 4 – Del Norte

Del Norte 2004 Water Year (through Oct '03 - Mar '04)



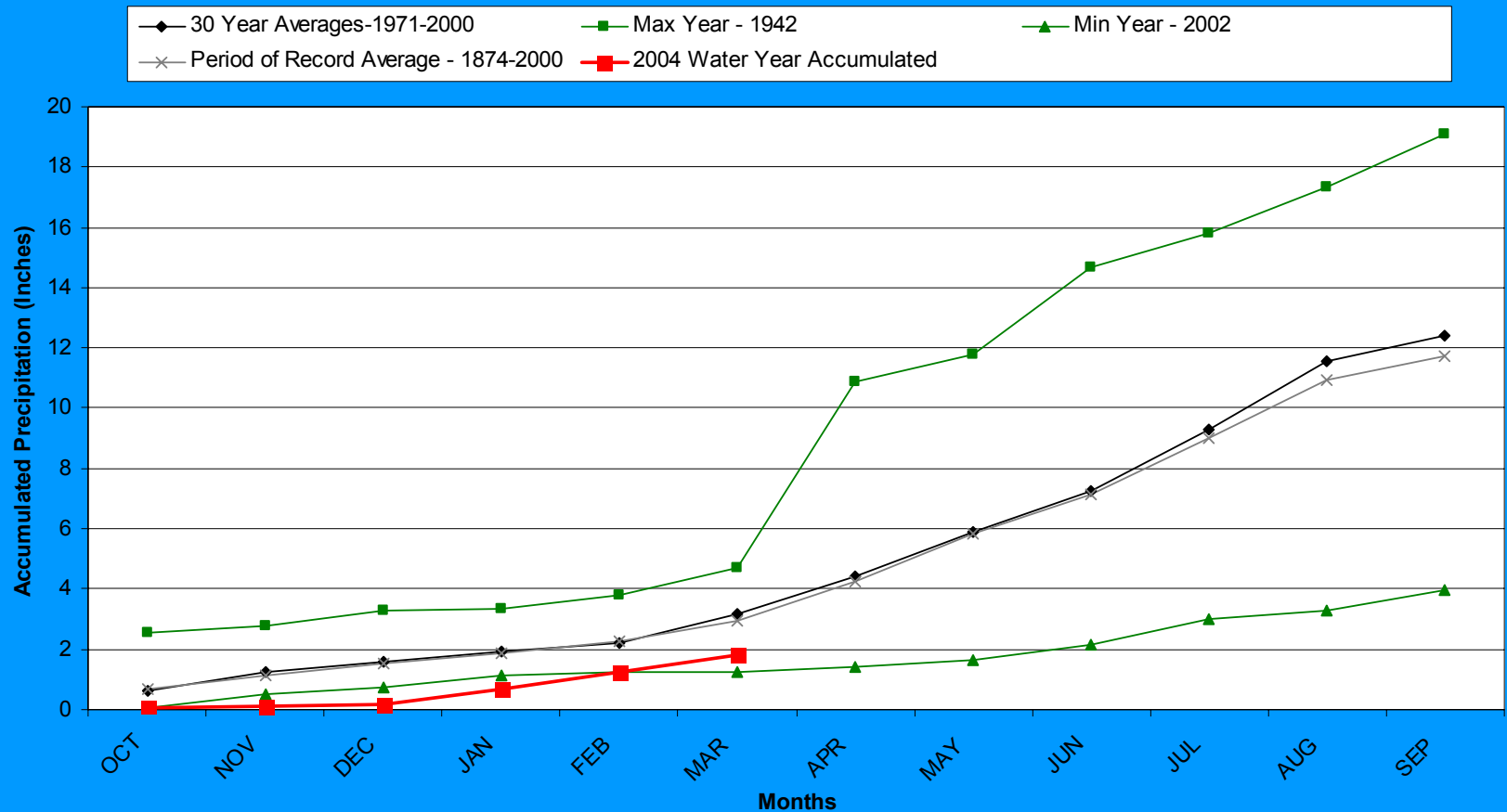
Division 5 – Colorado Springs

Colorado Springs 2004 Water Year (through Oct '03 - Mar '04)



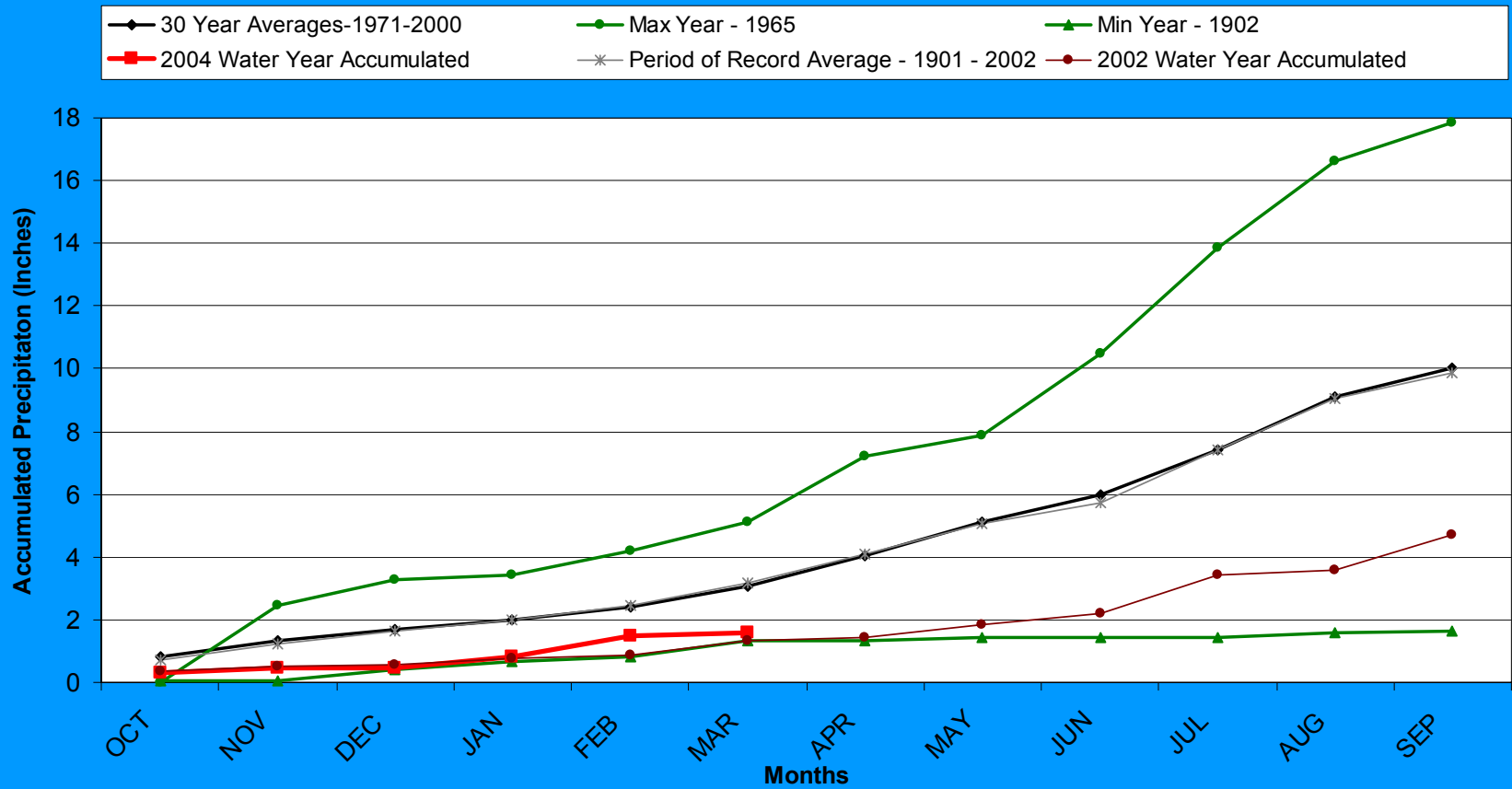
Division 5 - Pueblo

Pueblo WSO 2004 Water Year (through Oct '03 - Mar '04)



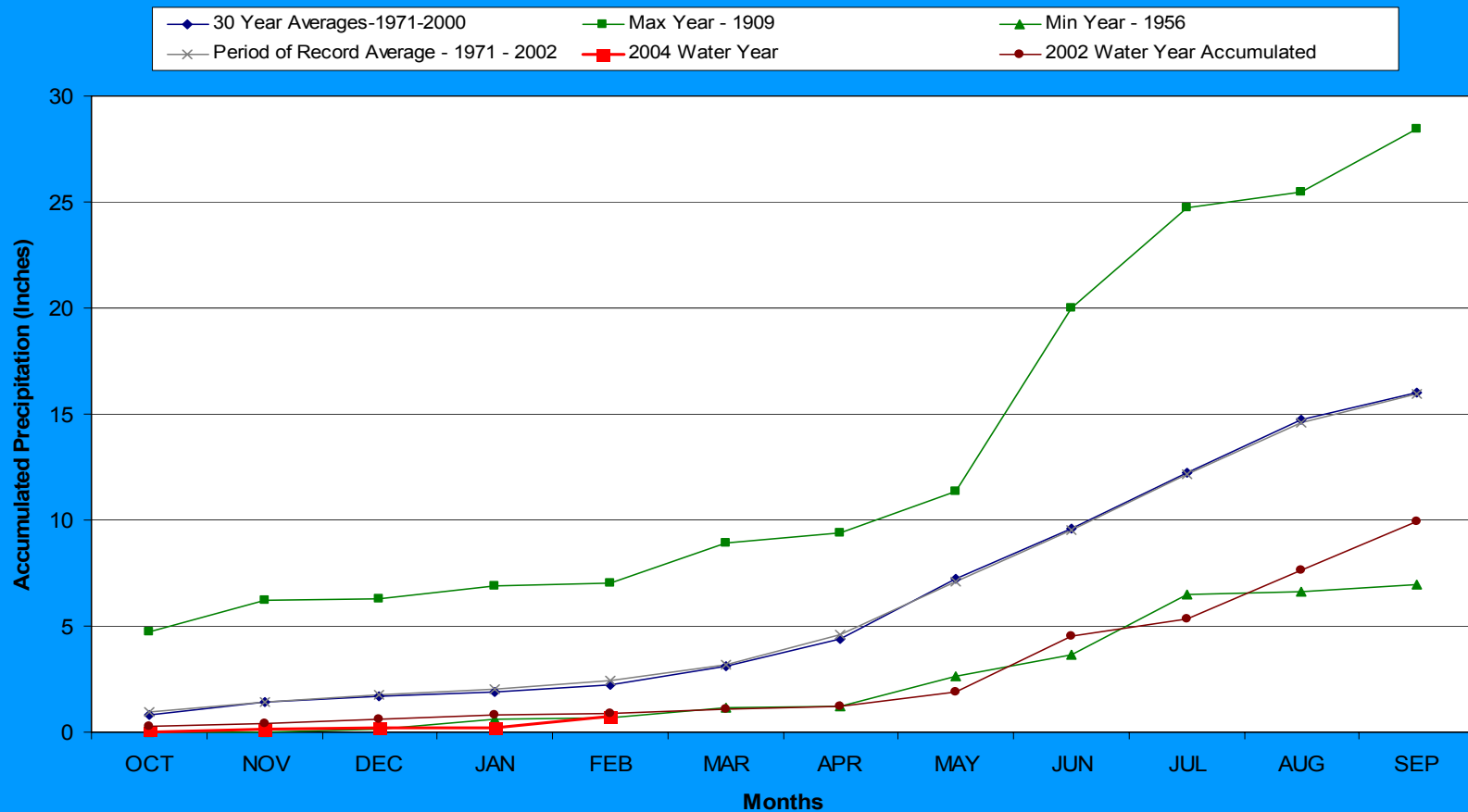
Division 5 – Buena Vista

Buena Vista 2004 Water Year through Oct '03 - Mar '04



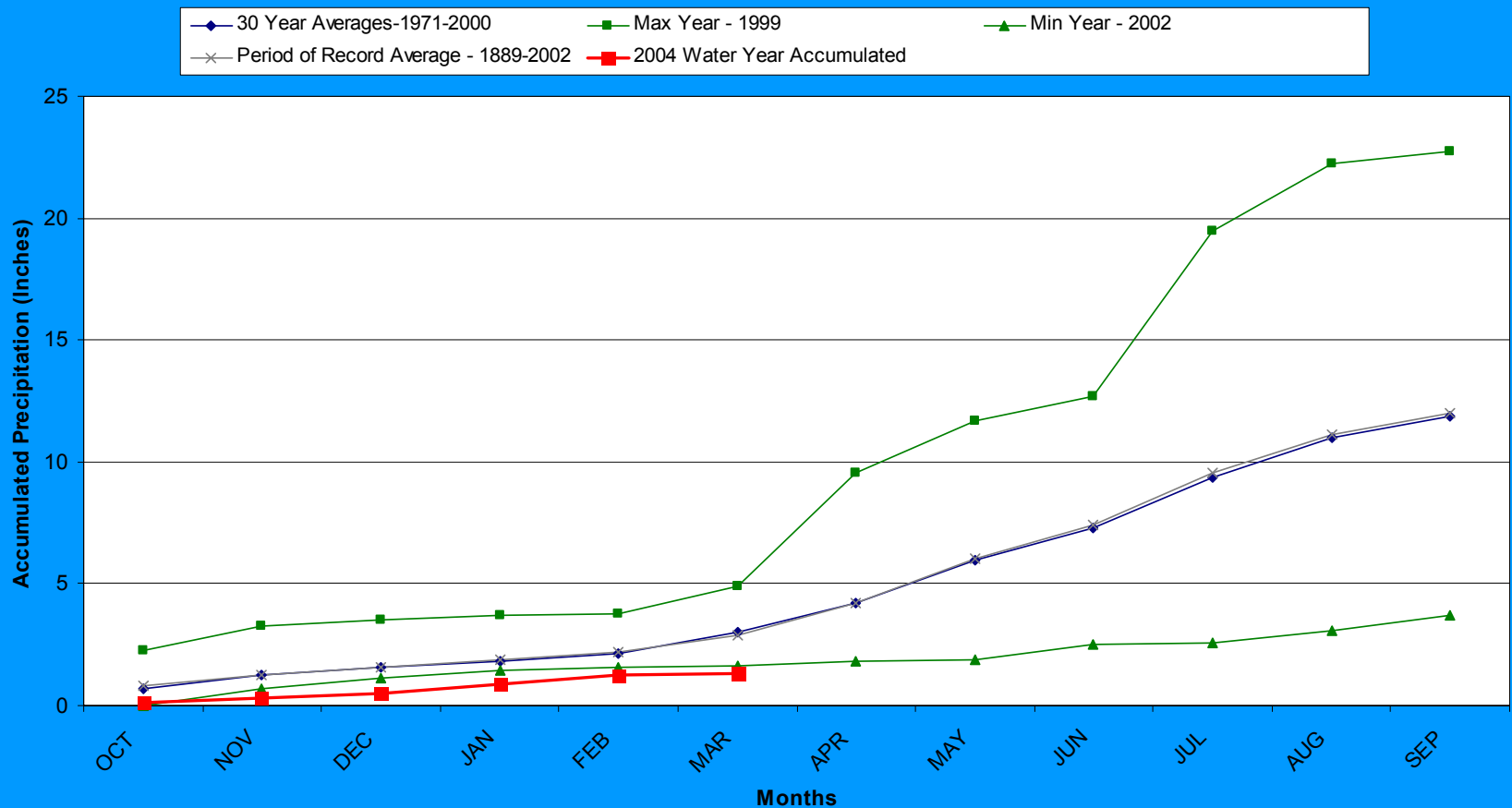
Division 6 – Cheyenne Wells

Cheyenne Wells 2004 Water Year (through Oct '03 - Mar '04)



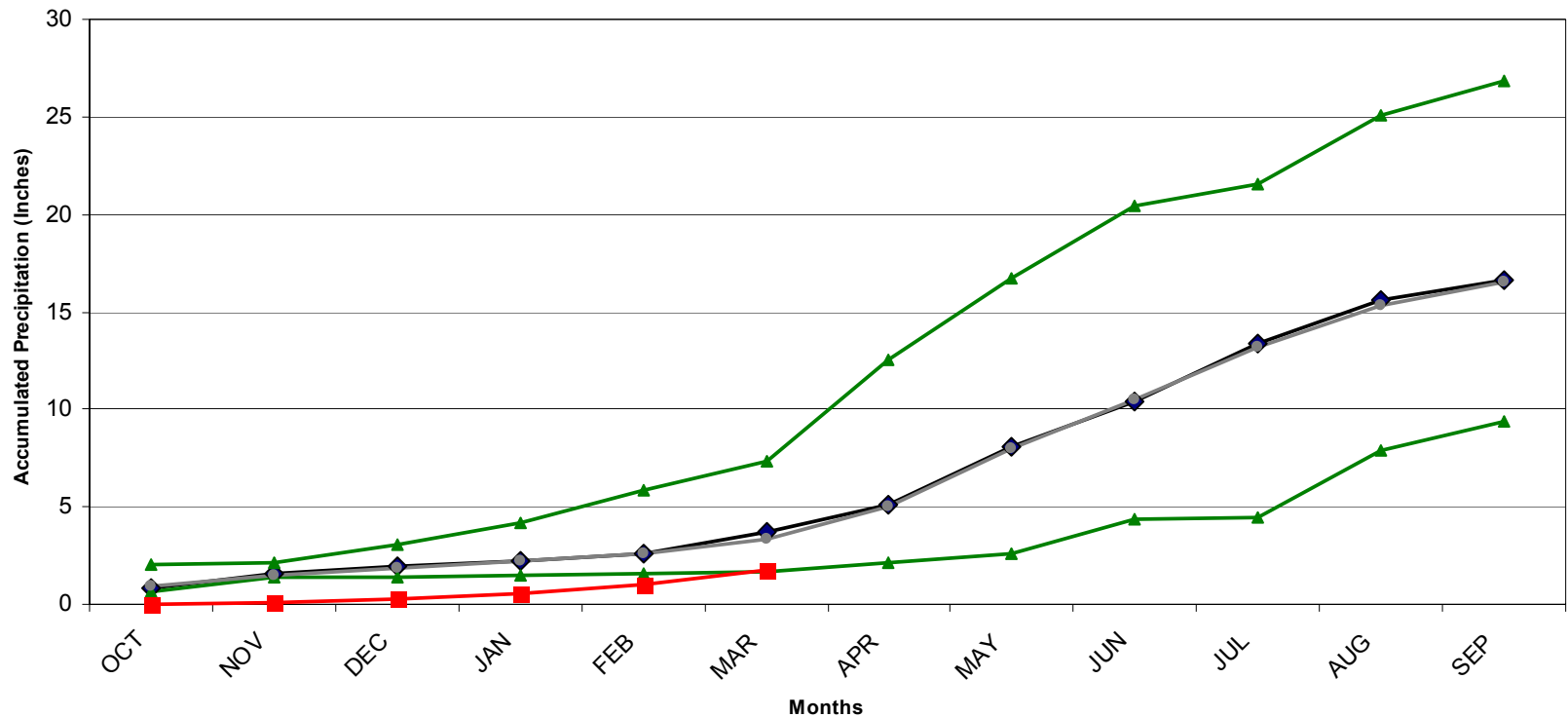
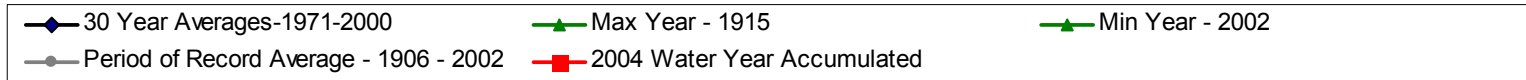
Division 6 – Rocky Ford

Rocky Ford 2004 Water Year (through Oct '03 - Mar '04)



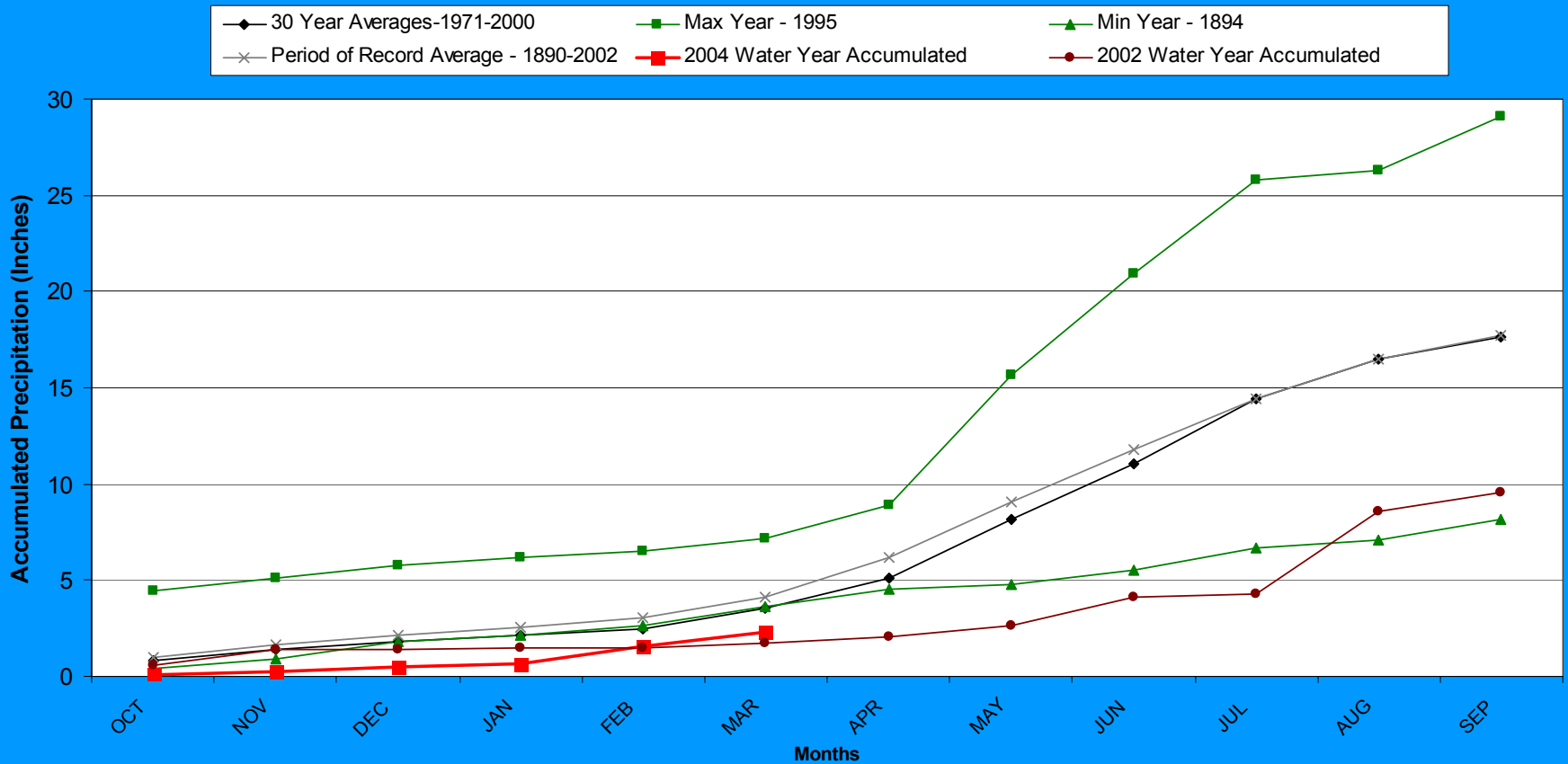
Division 7 – Akron

Akron 4E 2004 Water Year (through Oct '03 - Mar '04)



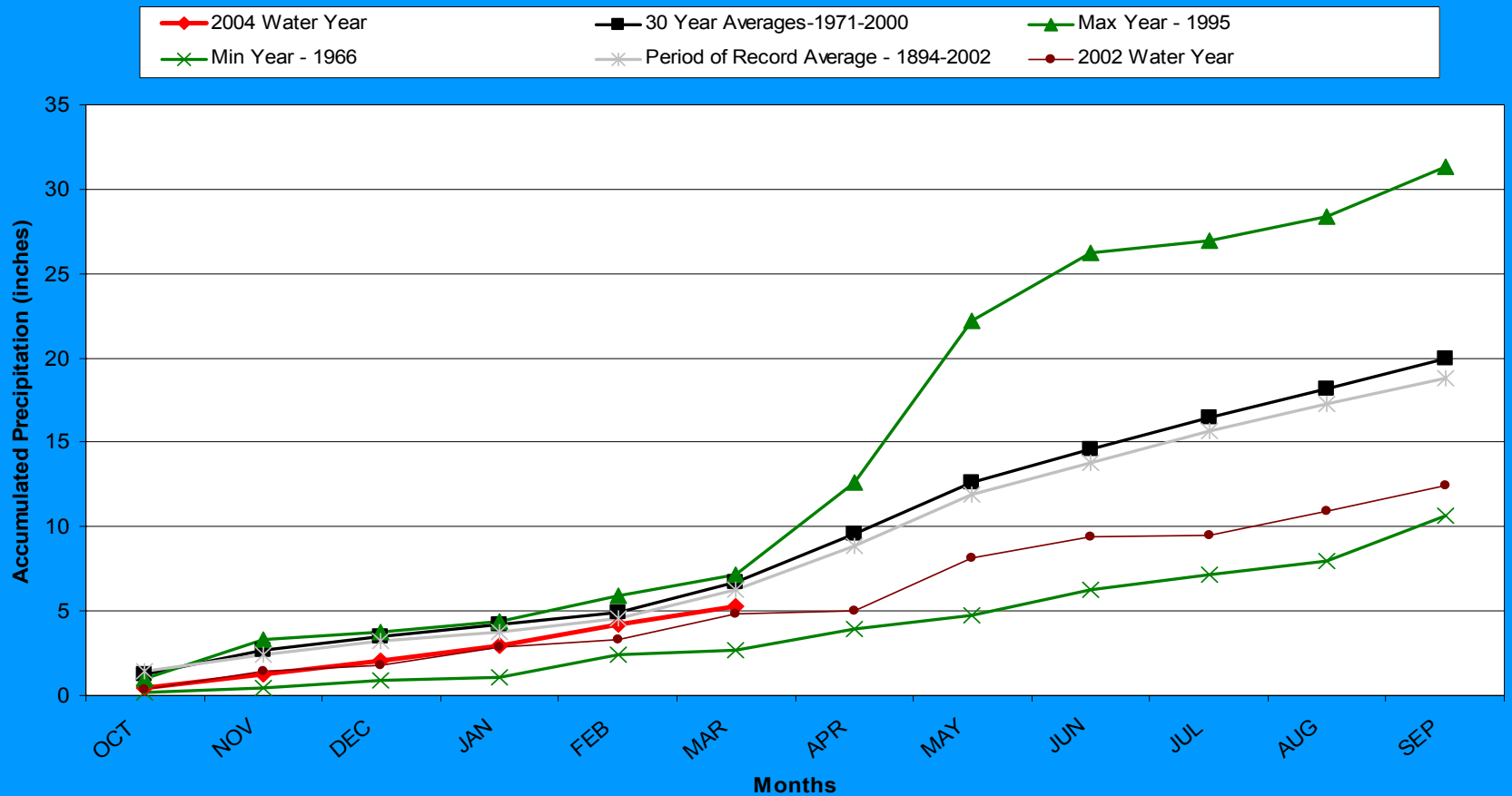
Division 7 - Leroy

Leroy 5SW 2004 Water Year (through Oct '03 - Mar '04)



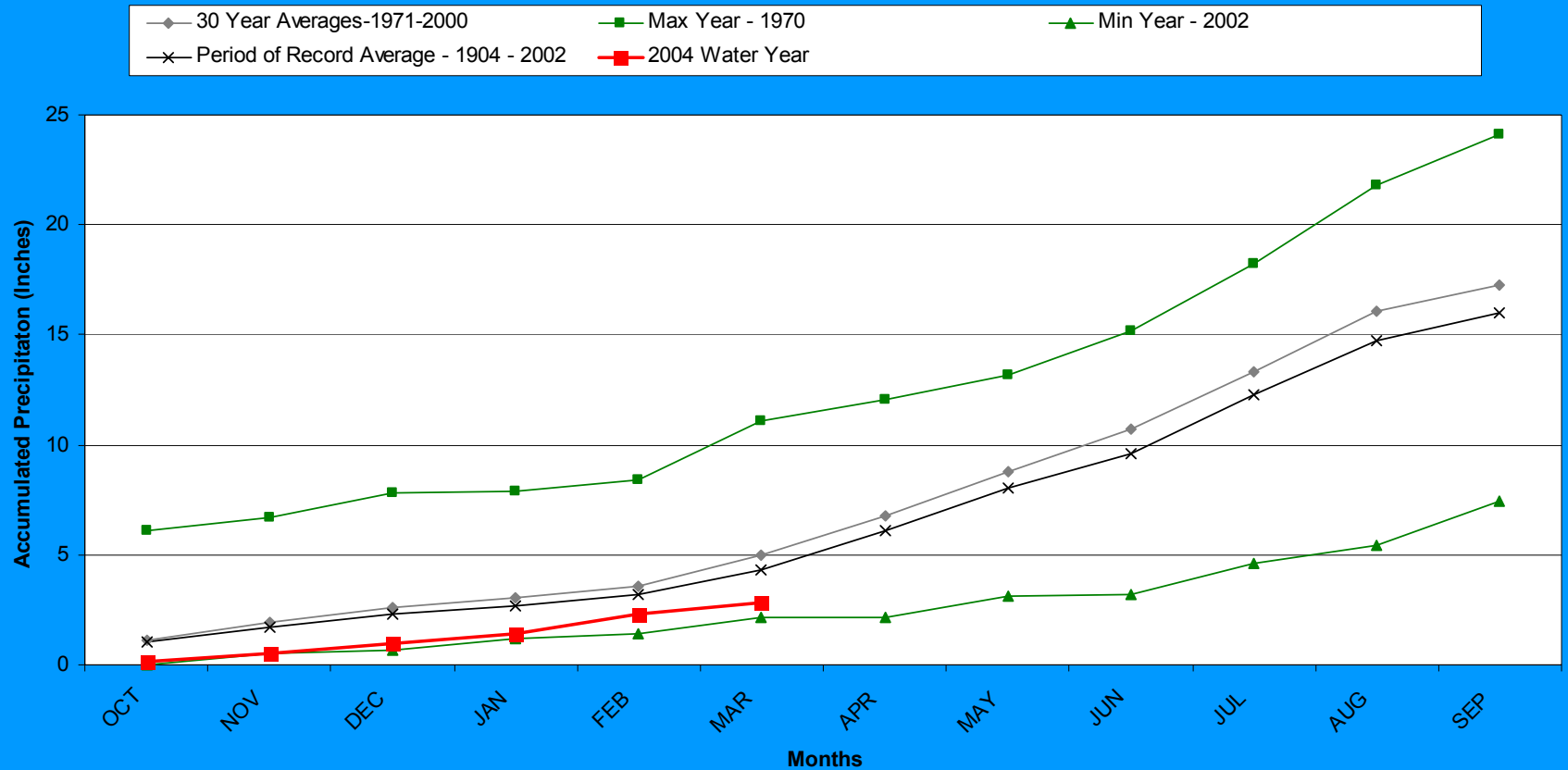
Division 8 – Boulder

Boulder 2004 Water Year through Oct '03 - Mar '04



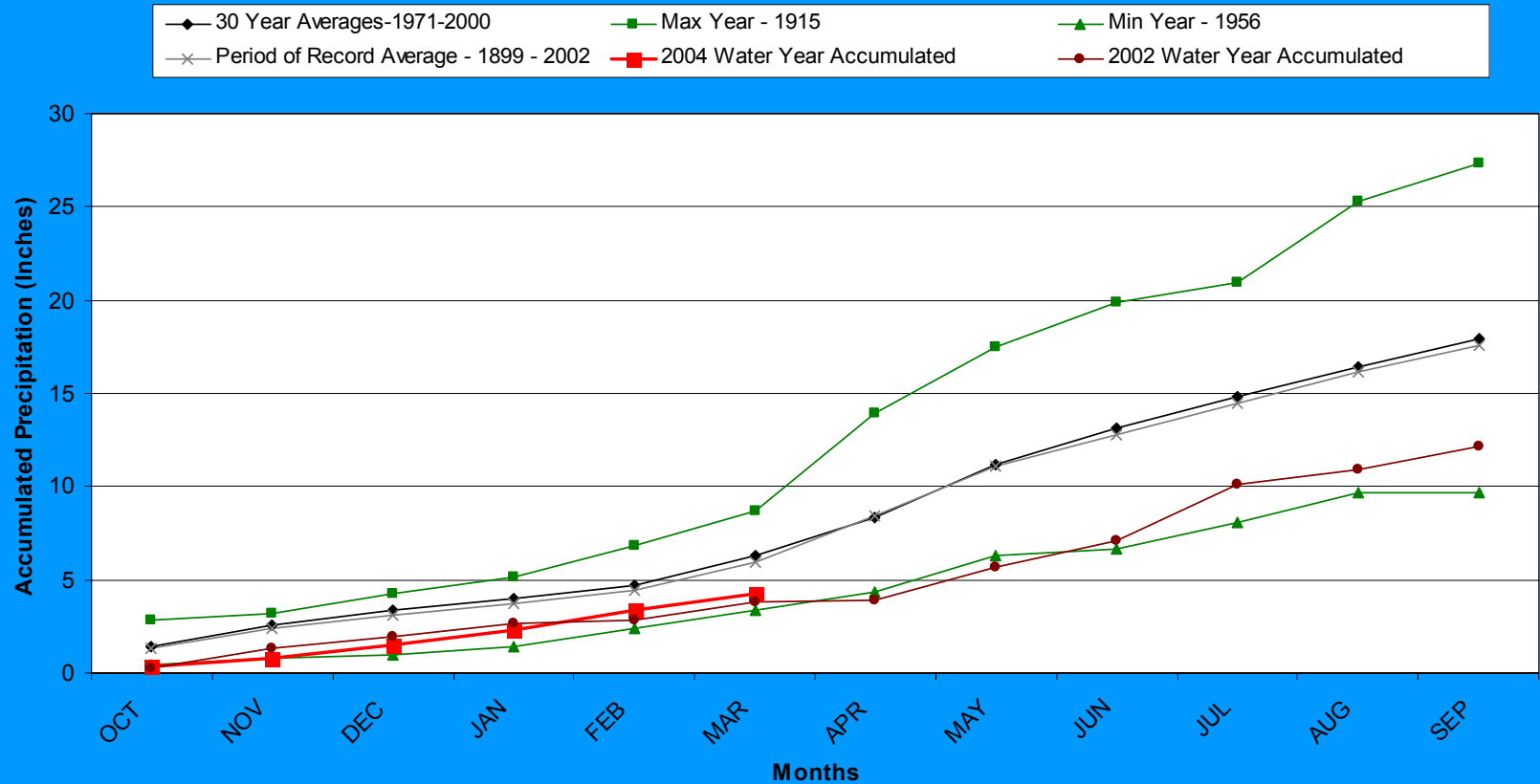
Division 8 – Cheesman

Cheesman 2004 Water Year (through Oct '03 - Mar '04)



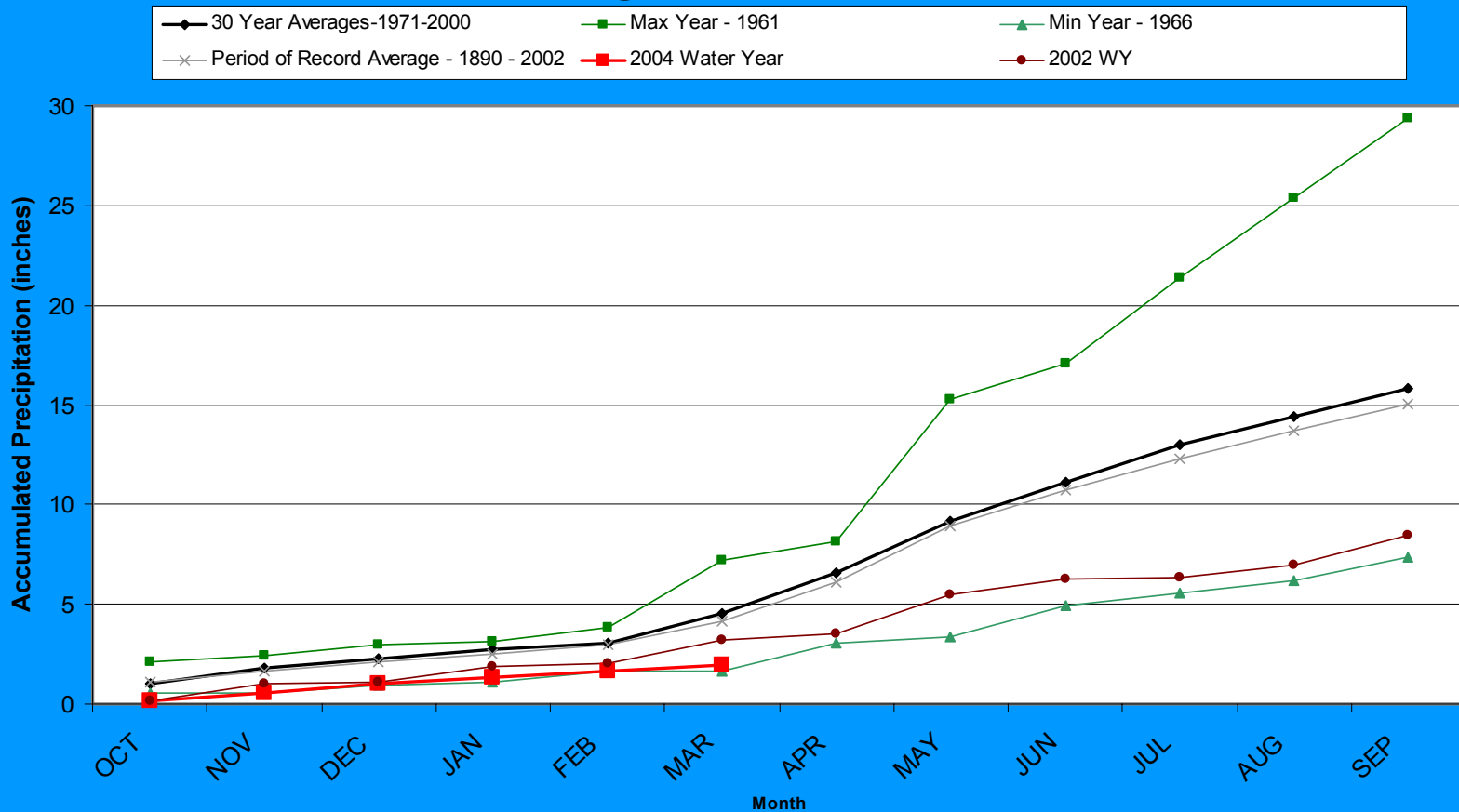
Division 8 – Kassler

Kassler 2004 Water Year (through Oct '03 - Mar '04)

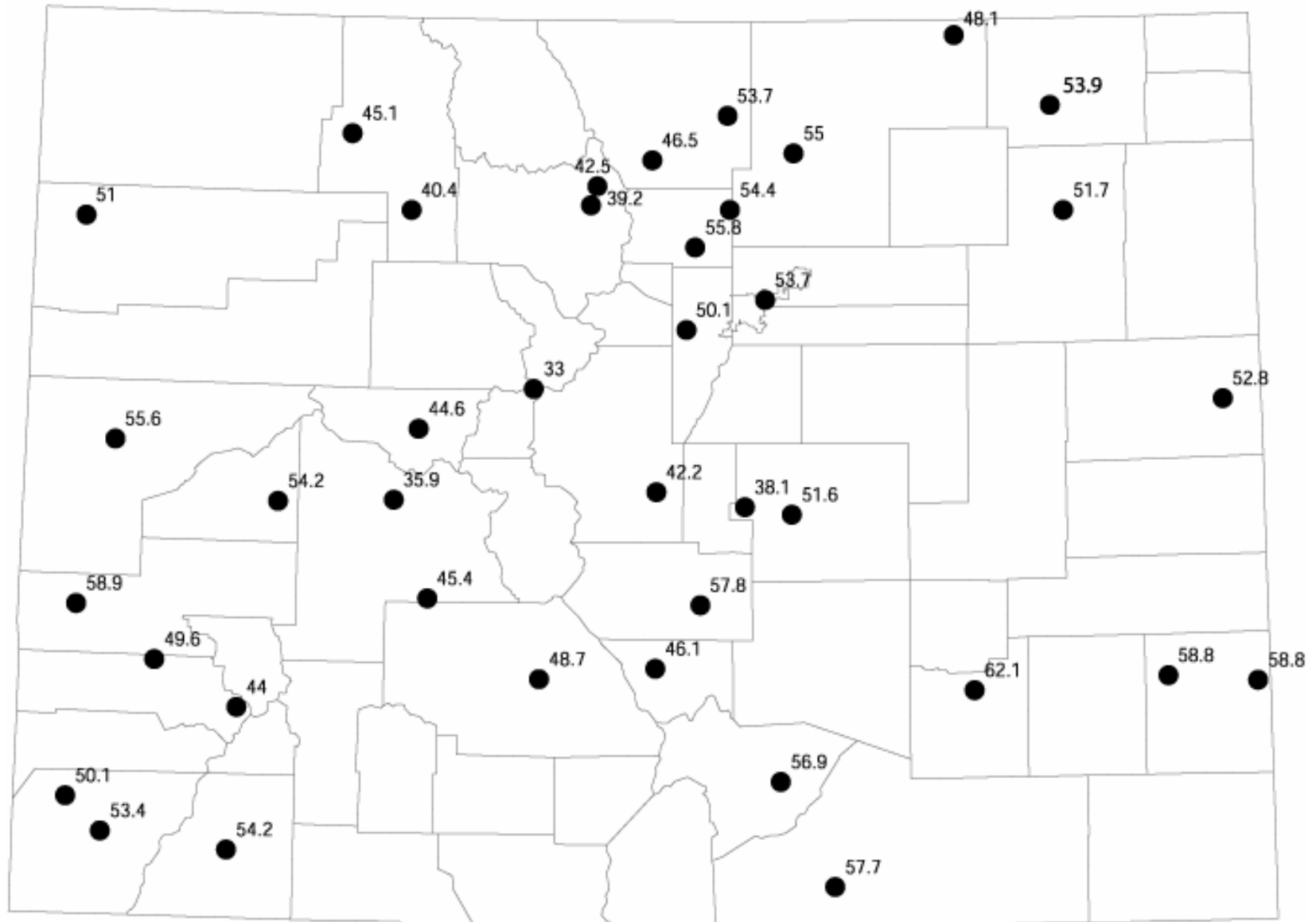


Division 8 – Fort Collins

Fort Collins 2004 Water Year (through Oct '03 - Mar '04)

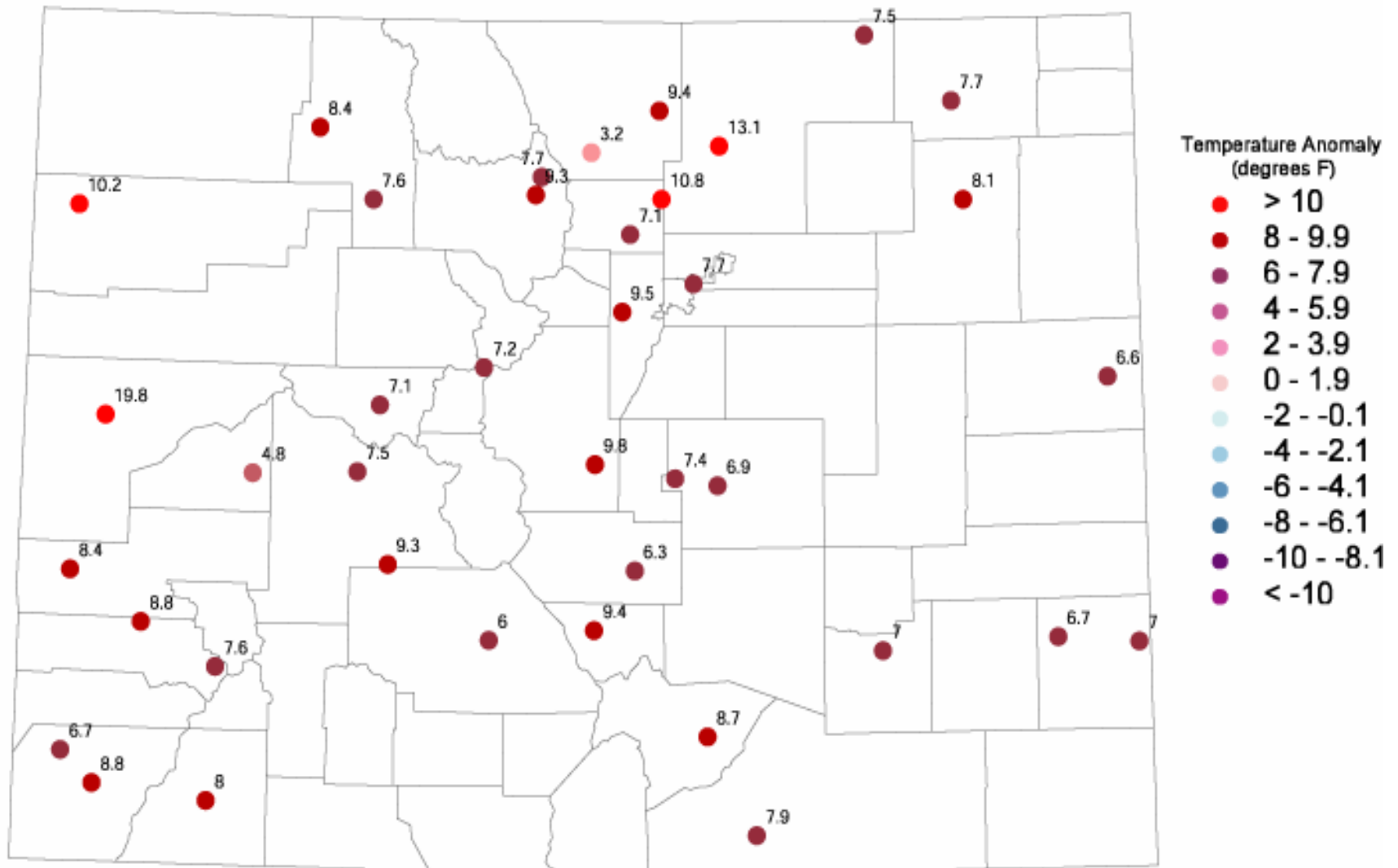


COLORADO



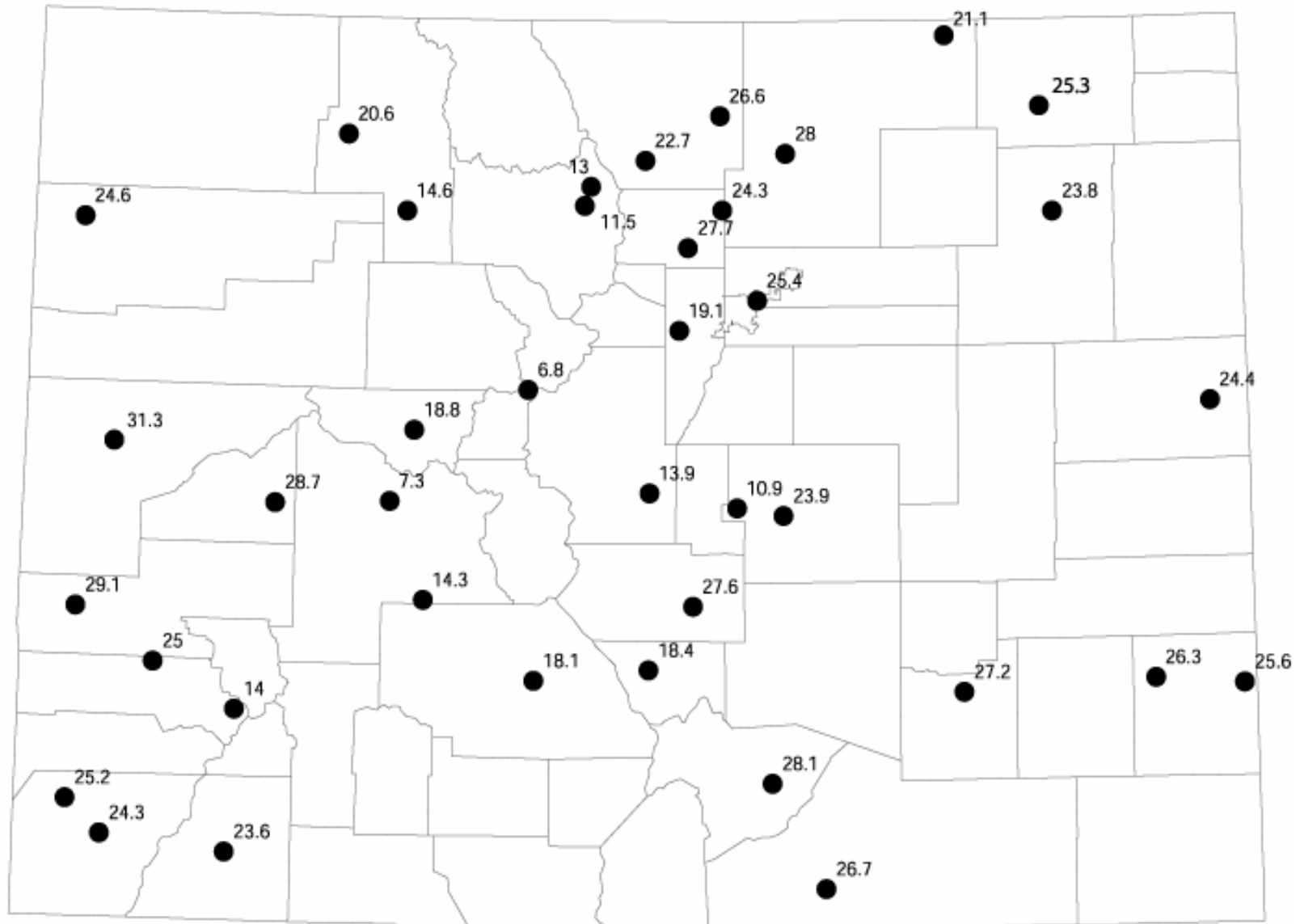
March average maximum temperatures (1971-2000).

COLORADO



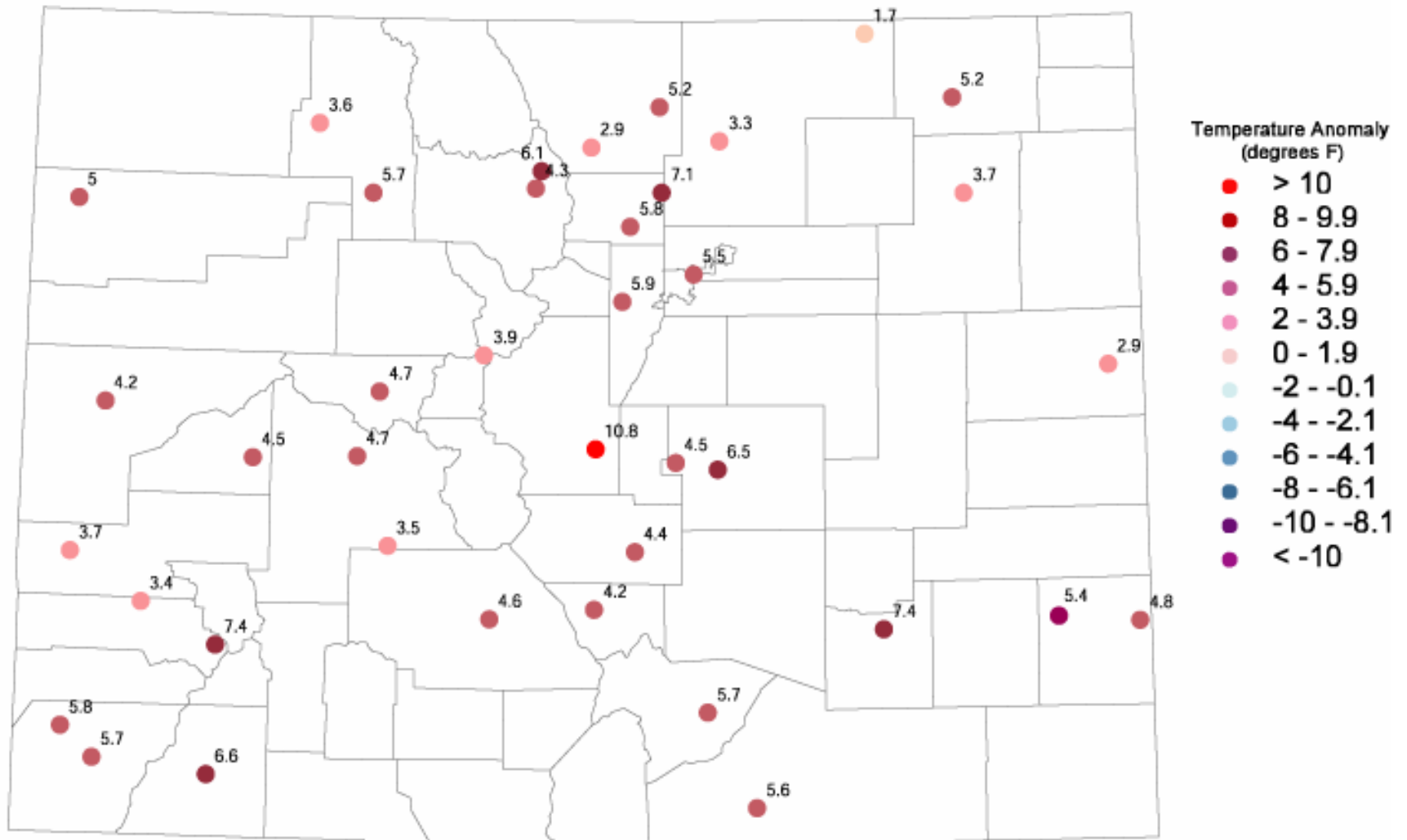
March 2004 average maximum temperature departures from the 1971-2000 averages.

COLORADO



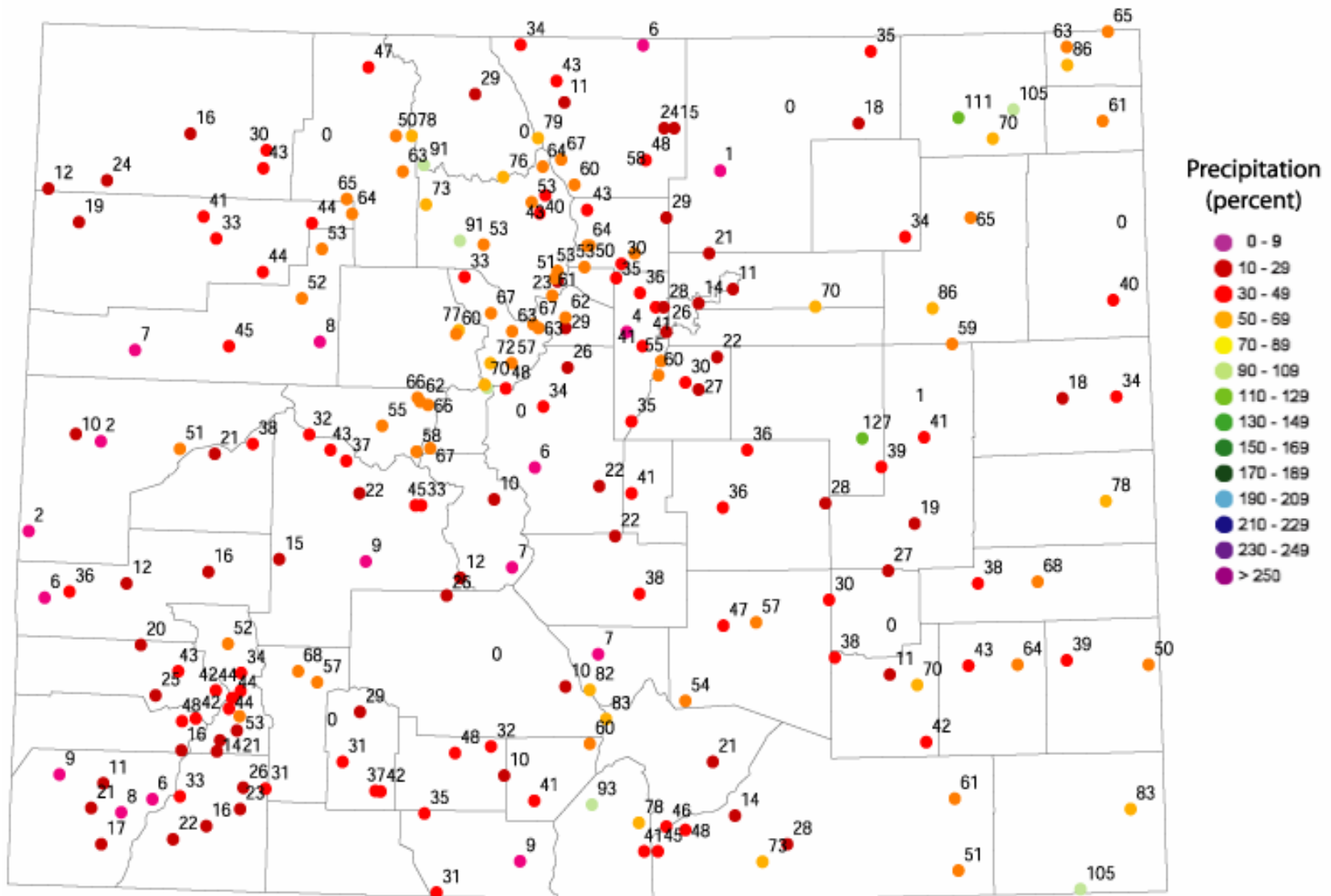
March average minimum temperatures (1971-2000).

COLORADO



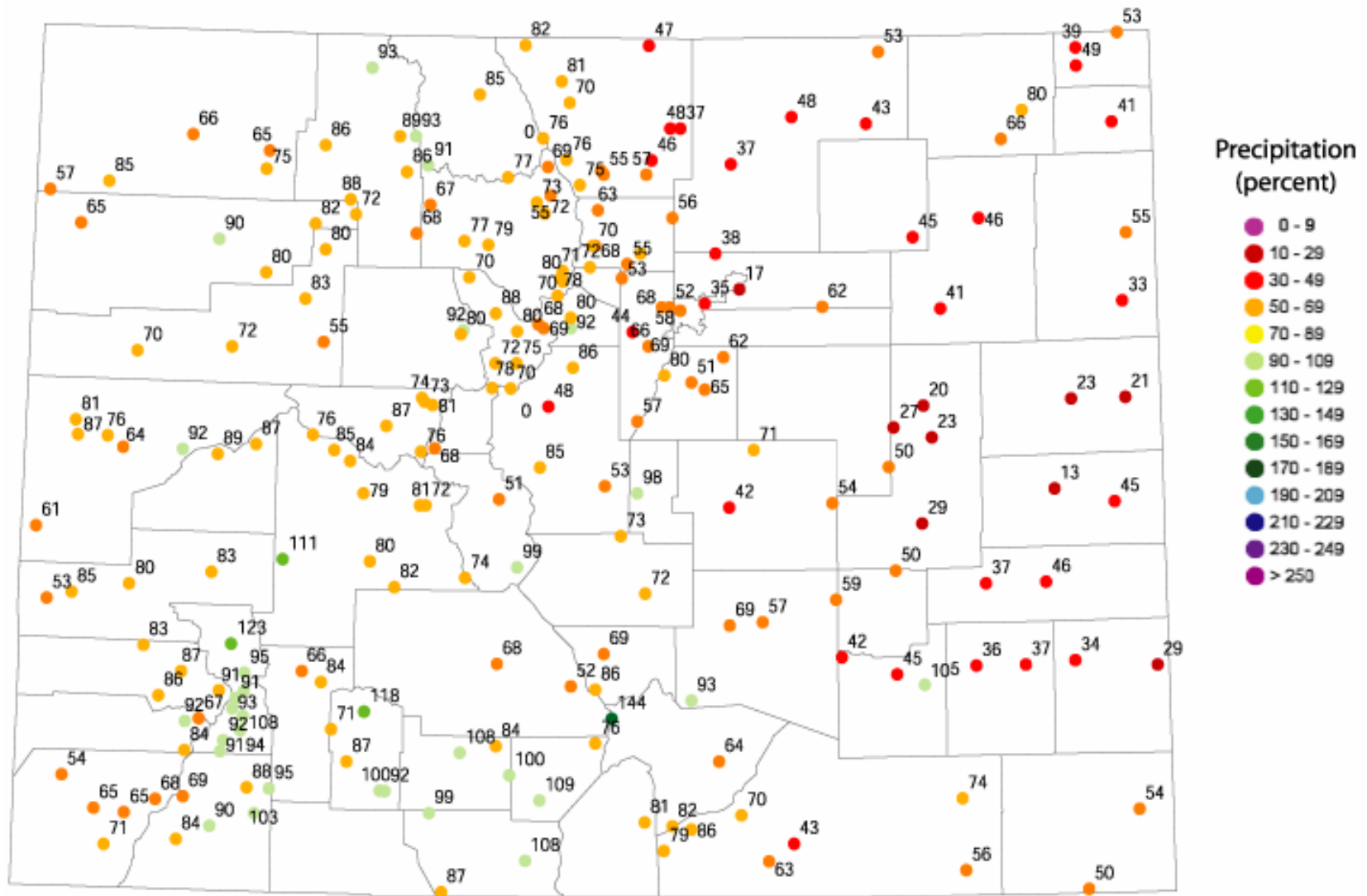
March 2004 average minimum temperature departures from the 1971-2000 averages.

COLORADO



March 2004 precipitation as a percent of the 1971-2000 average.

COLORADO

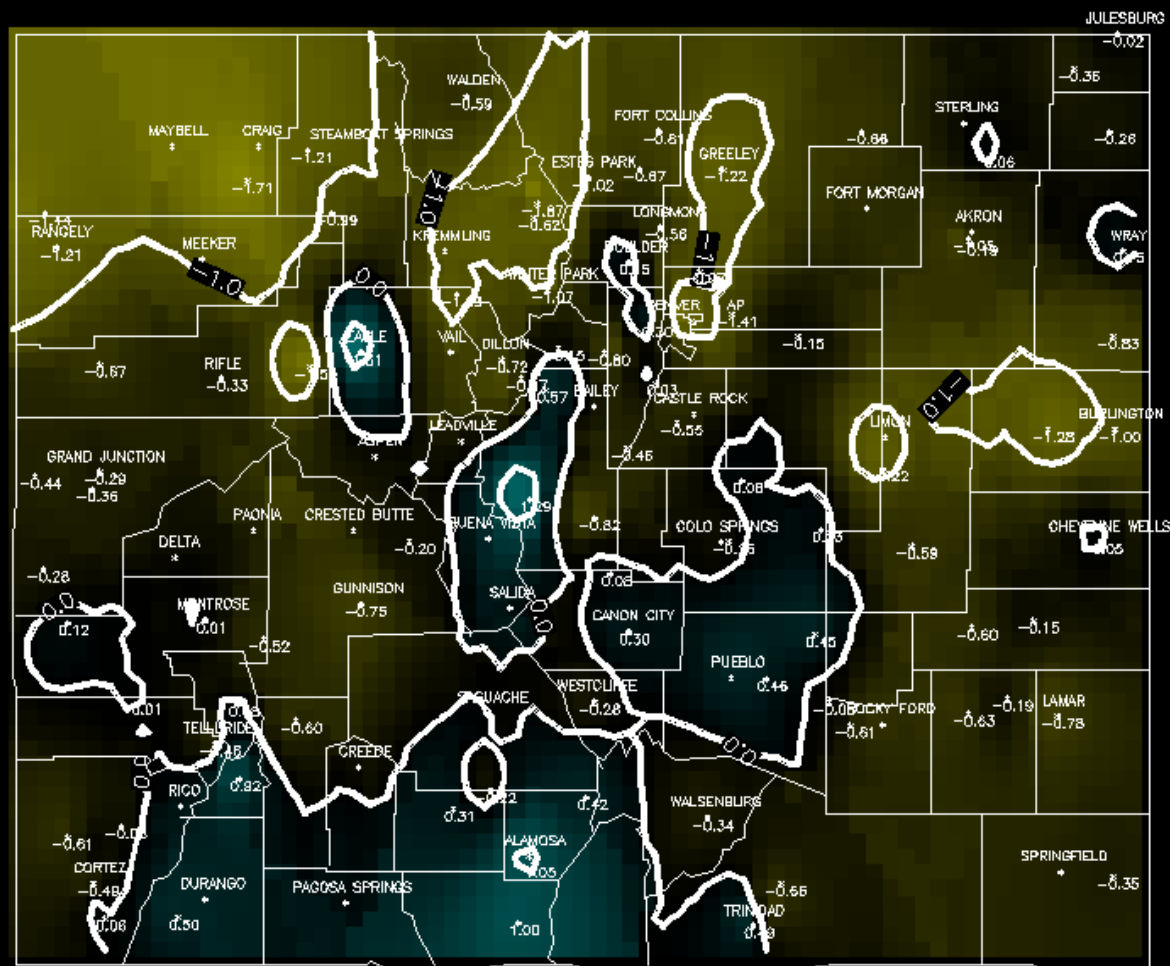


Water Year 2004 (October 2003 through March 2004) precipitation as a percent of the 1971-2000 average.

3 Month SPI

Colorado

3/2004 3 mon. SPI



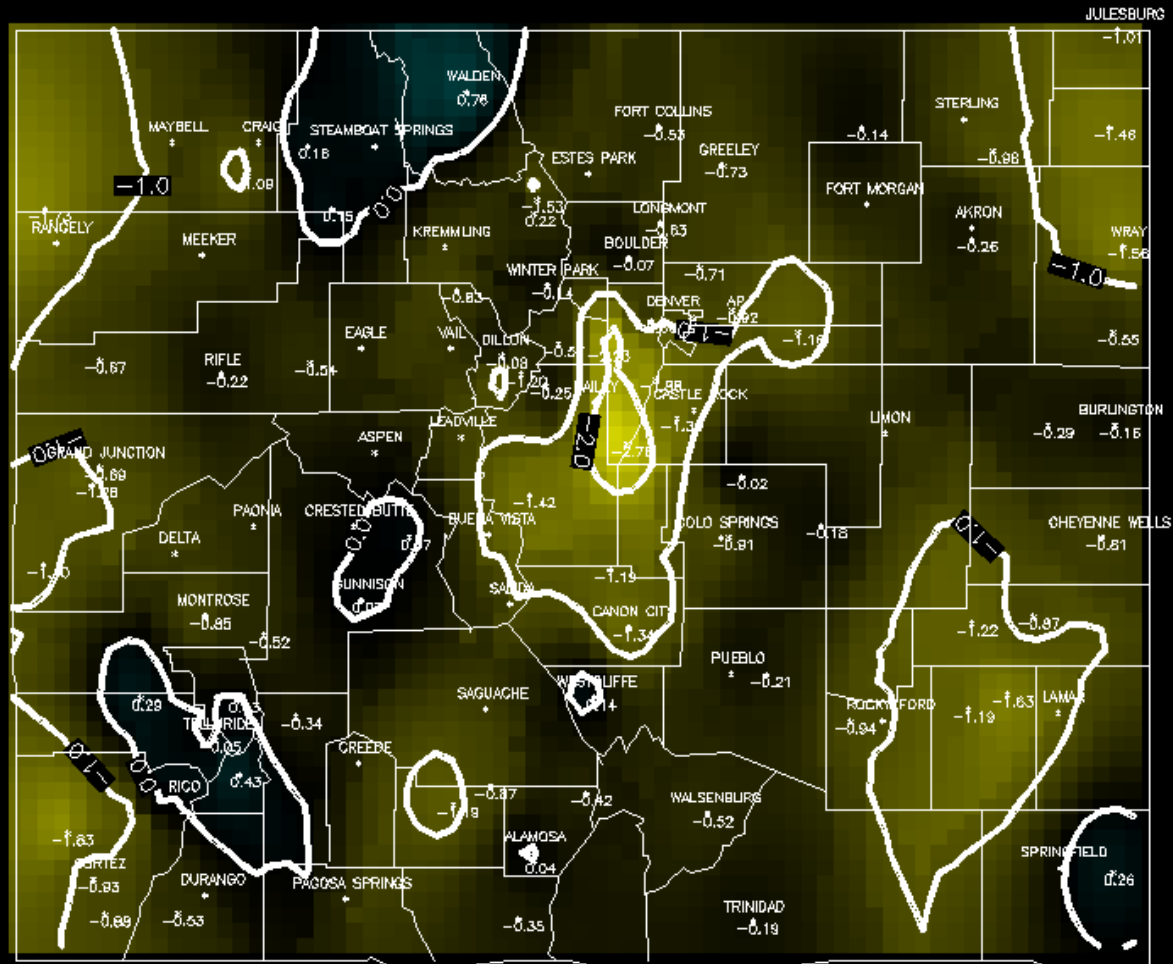
100%	2.0	13%	-1.0
100%	1.0	0%	-2.0
78%	0.0	0%	-3.0

Produced by:
Colorado Climate Center
Fort Collins, CO

12 Month SPI

Colorado

3/2004 12 mon. SPI



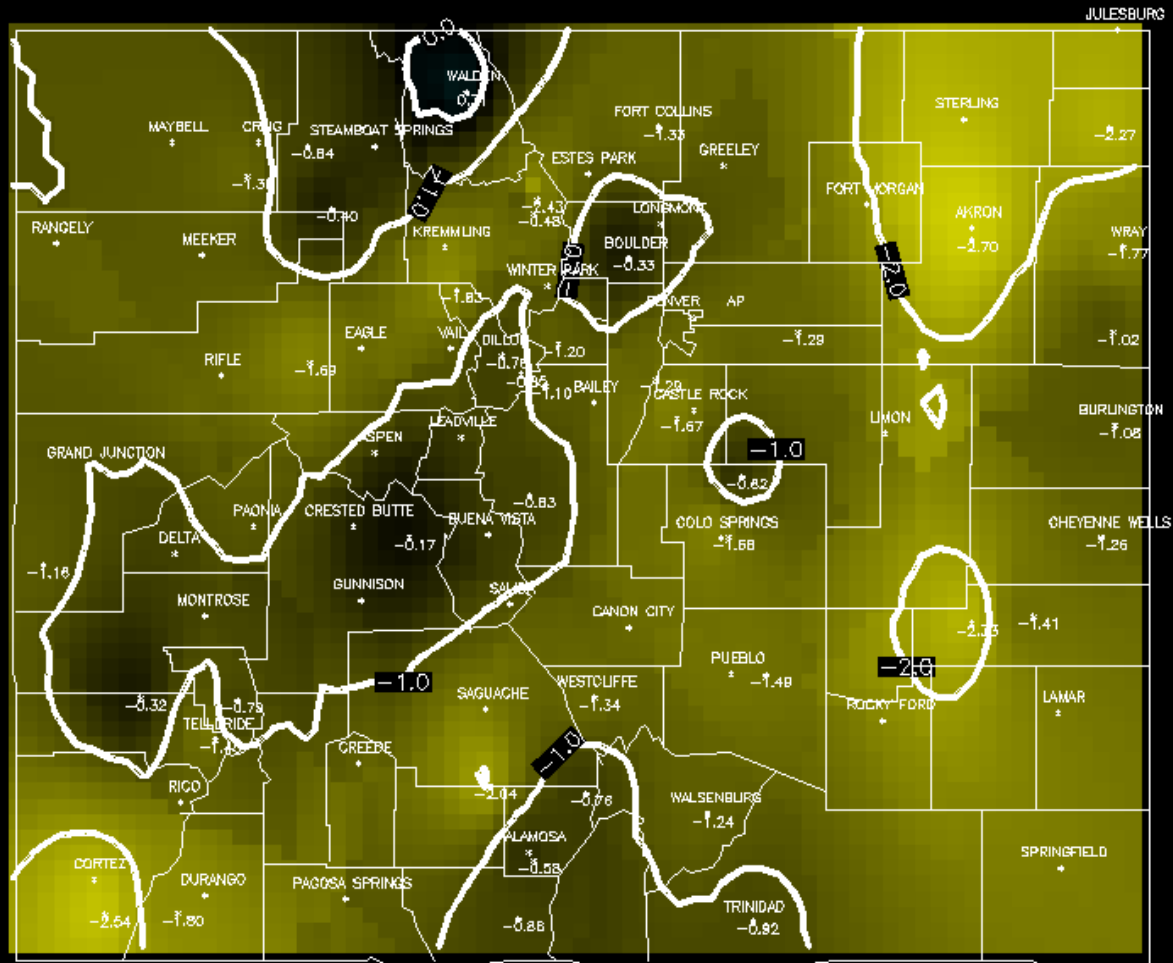
100 % 2.0 19 % -1.0
 95 % 1.5 1 % -2.0
 90 % 1.0 0 % -3.0

Produced by
 Colorado Climate Center
 Fort Collins, CO

48 Month SPI

Colorado

3/2004 48 mon. SPI



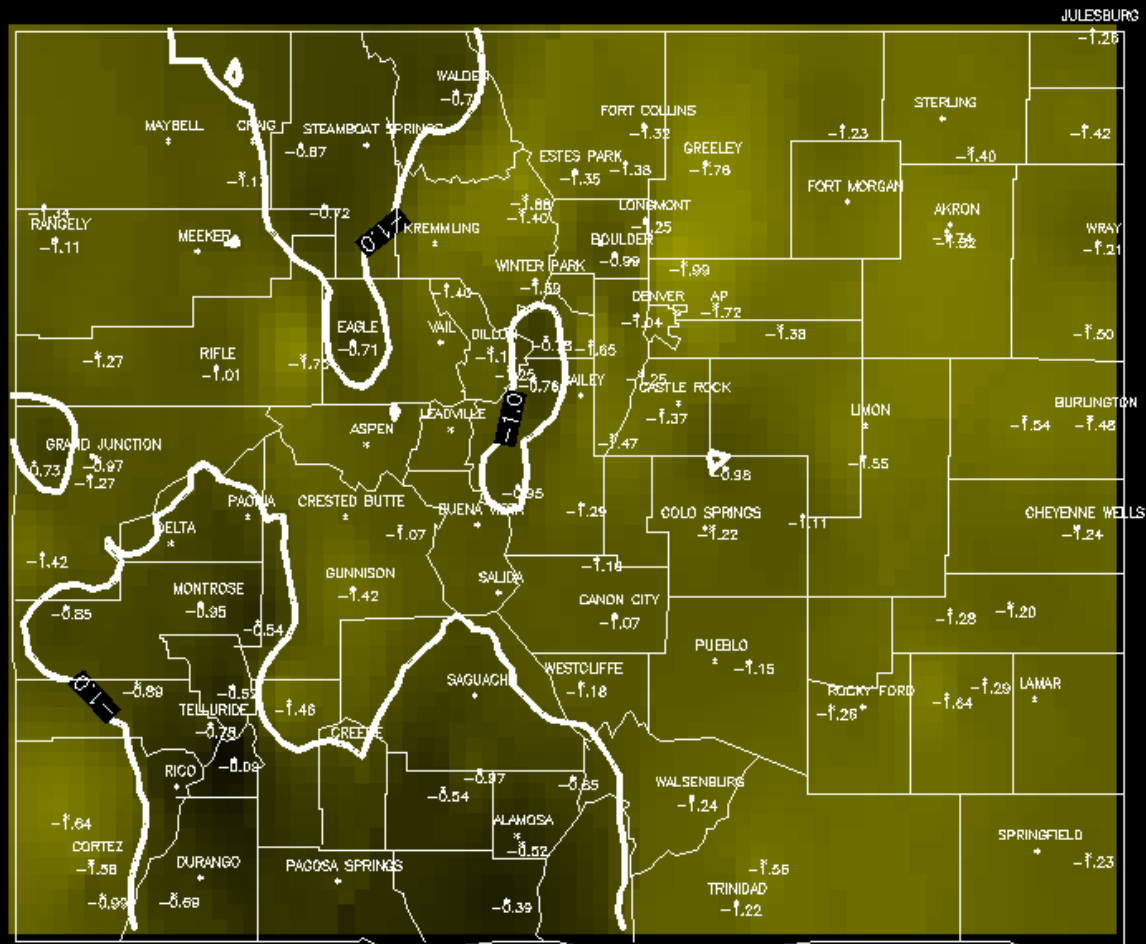
100%	> 2.0	77%	-1.0
100%	> 1.0	69%	-2.0
99%	> 0.0	0%	< -3.0

Produced by:
Colorado Climate Center
Fort Collins, CO

Projected Conditions at 0.2 Probability Level 12 Month SPI at 6 months

Colorado

3/2004 12 mon. SPI – Projected 6 mon. at P=0.20



100% < 2.0
100% < 1.0
100% < 0.0

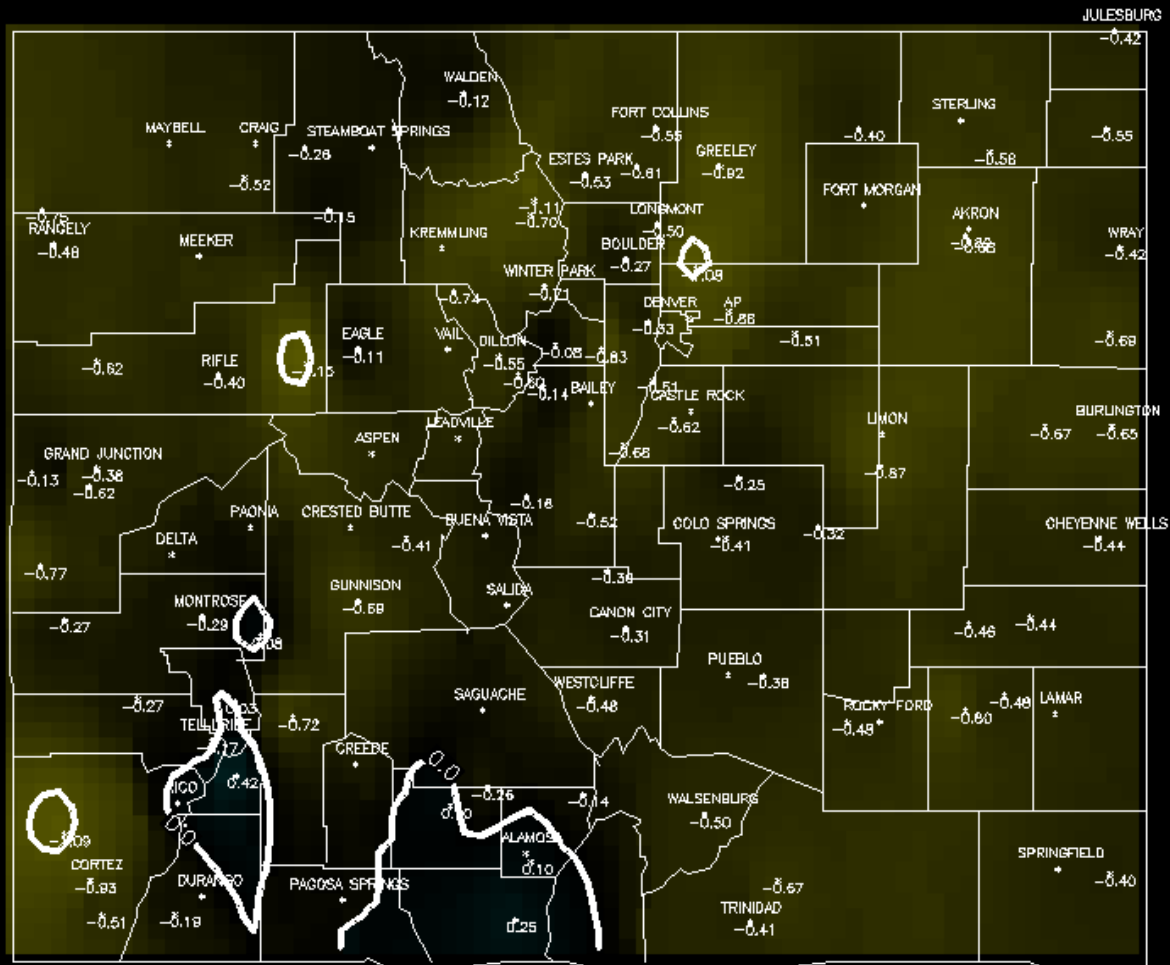
78% < -1.0
0% < -2.0
0% < -3.0

Produced by:
Colorado Climate Center
Fort Collins, CO

Projected Conditions at 0.5 Probability Level 12 Month SPI at 6 months

Colorado

3/2004 12 mon. SPI - Projected 6 mon. at P=0.50



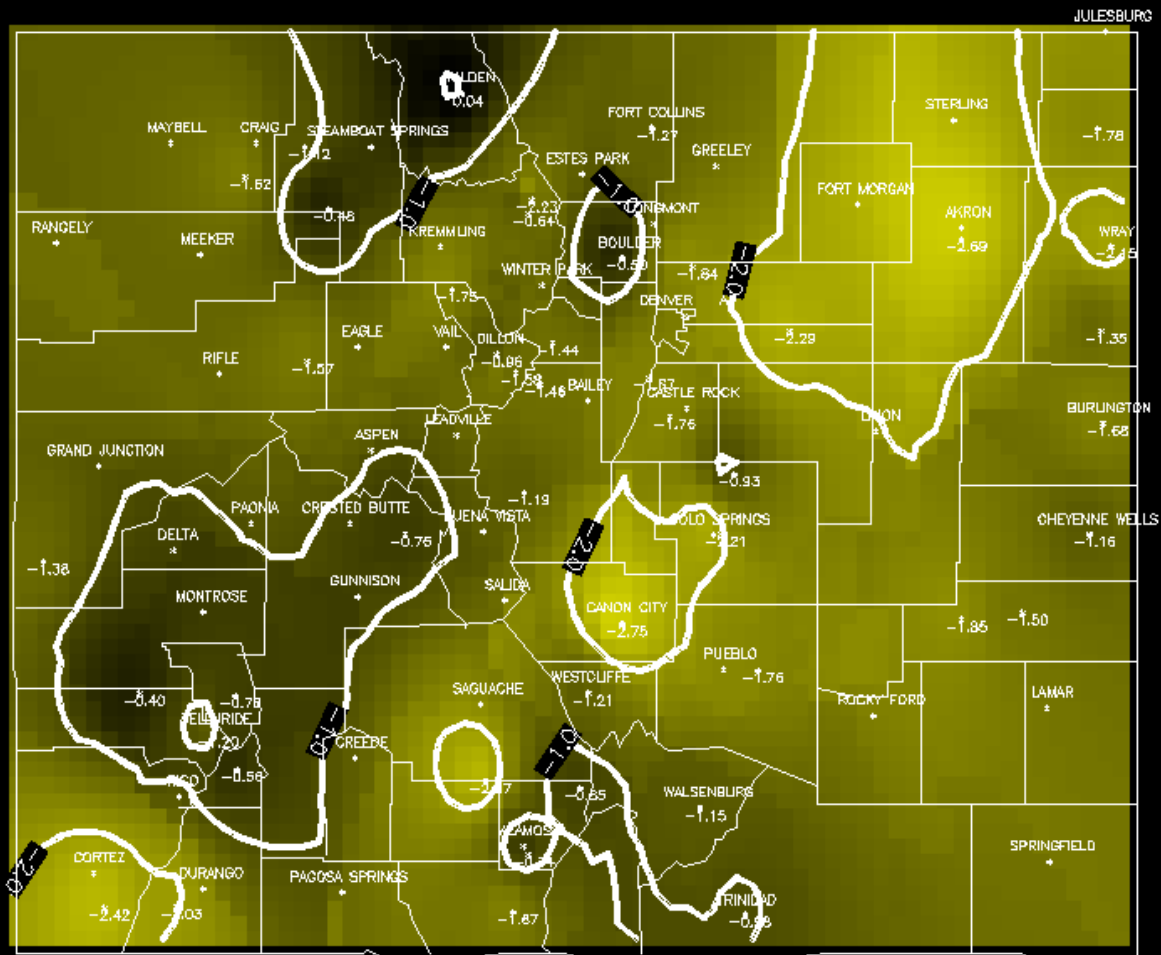
100 0 0 0 0 0
 100 1.0 1.0 1.0 1.0 1.0
 96 0.0 0.0 0.0 0.0 0.0

Produced by:
 Colorado Climate Center
 Fort Collins, CO

Projected Conditions at 0.2 Probability Level 48 Month SPI at 12 months

Colorado

3/2004 48 mon. SPI – Projected 12 mon. at P=0.20



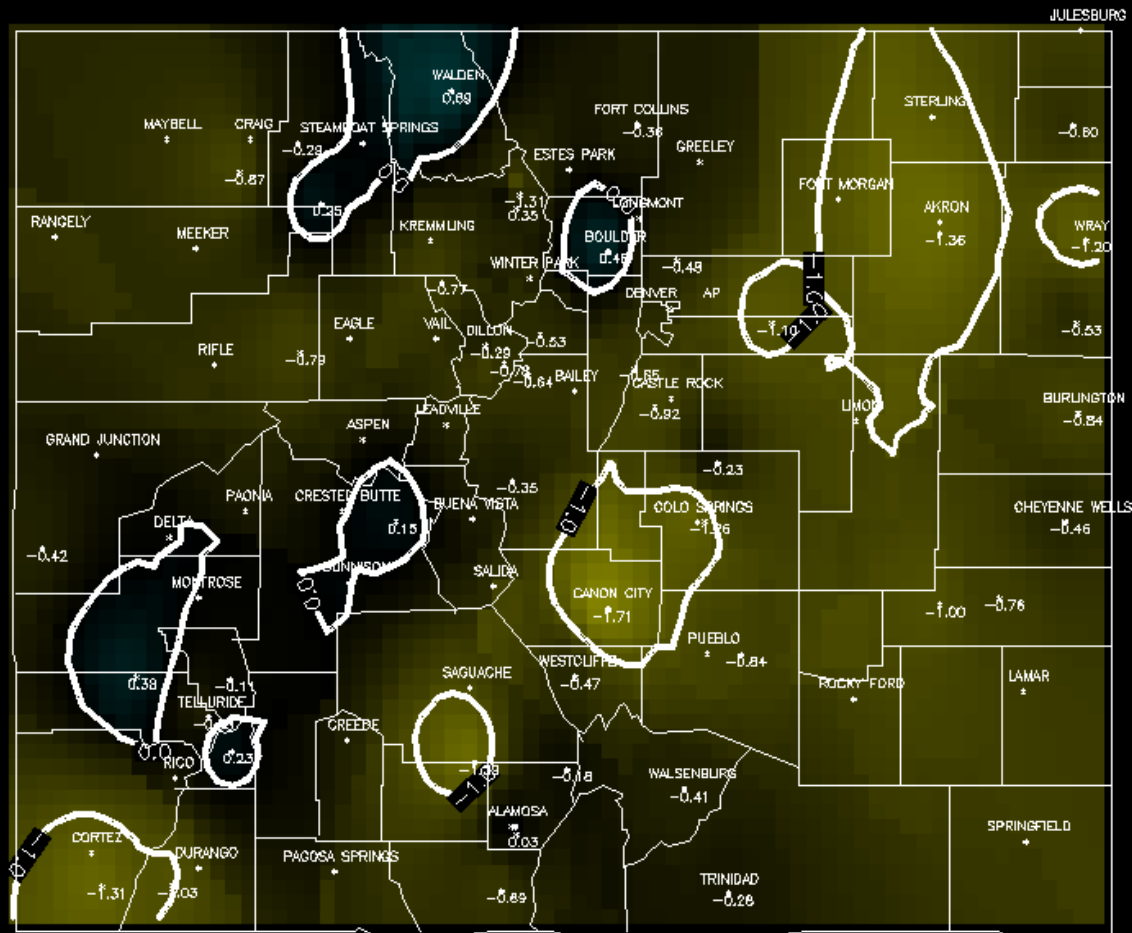
100 % < 2.0
100 % < 1.0
100 % < 0.0
85 % < -1.0
13 % < -2.0
0 % < -3.0

Produced by:
Colorado Climate Center
Fort Collins, CO

Projected Conditions at 0.8 Probability Level 48 Month SPI at 12 months

Colorado

3/2004 48 mon. SPI – Projected 12 mon. at P=0.80



100 % < 2.0
100 % < 1.0
94 % < 0.0

10 % < -1.0
0 % < -2.0
0 % < -3.0

Produced by:
Colorado Climate Center
Fort Collins, CO

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”

