

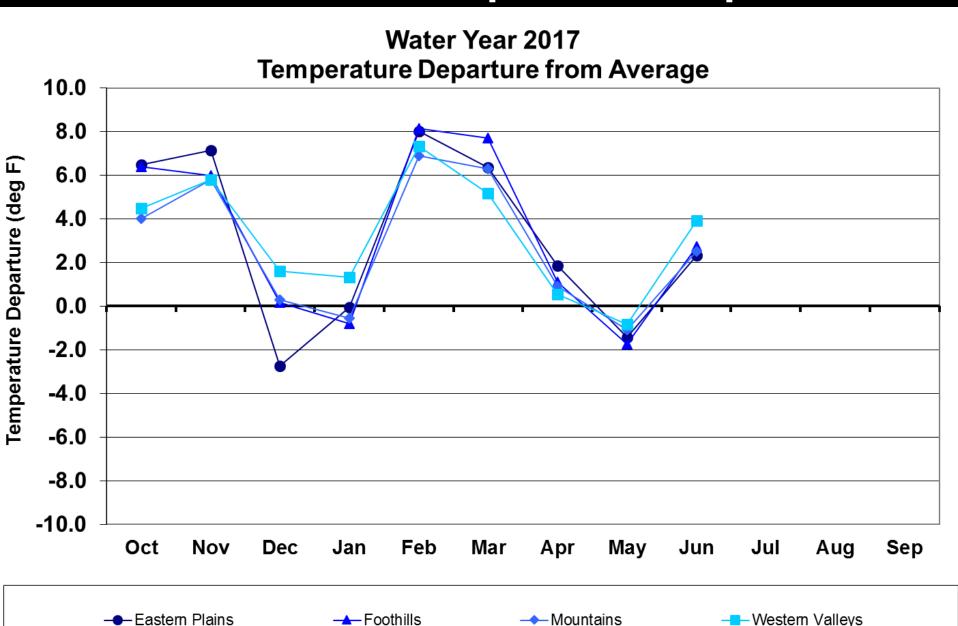
CLIMATE CENTER COLORADO CLIMATE COLORADO CLIMATE CENTER COLORADO CLIMATE C

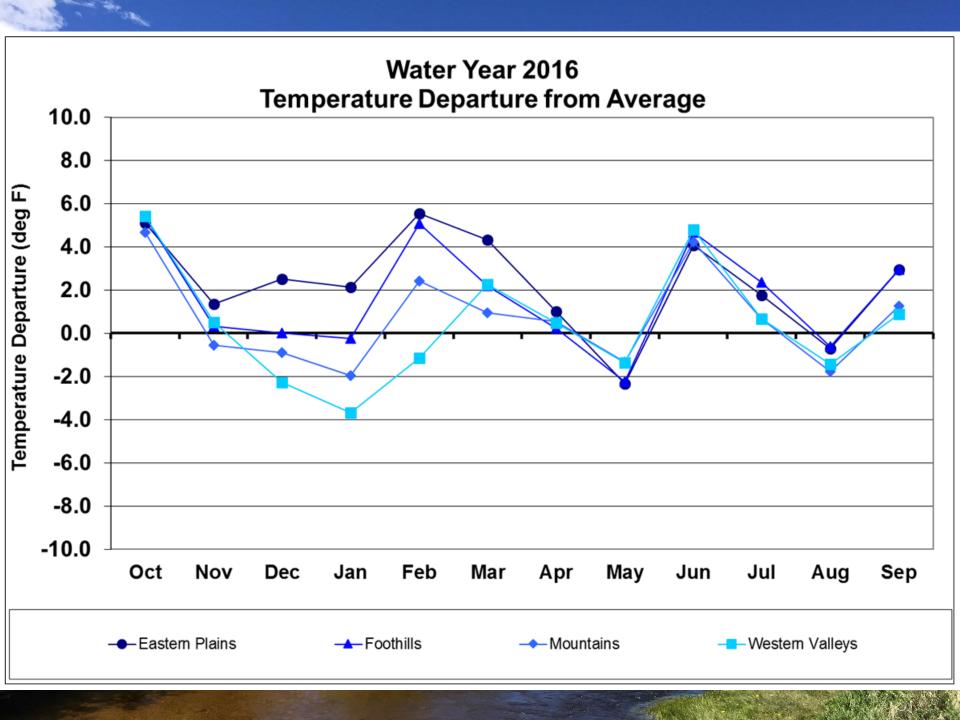


Nolan Doesken Colorado Climate Center

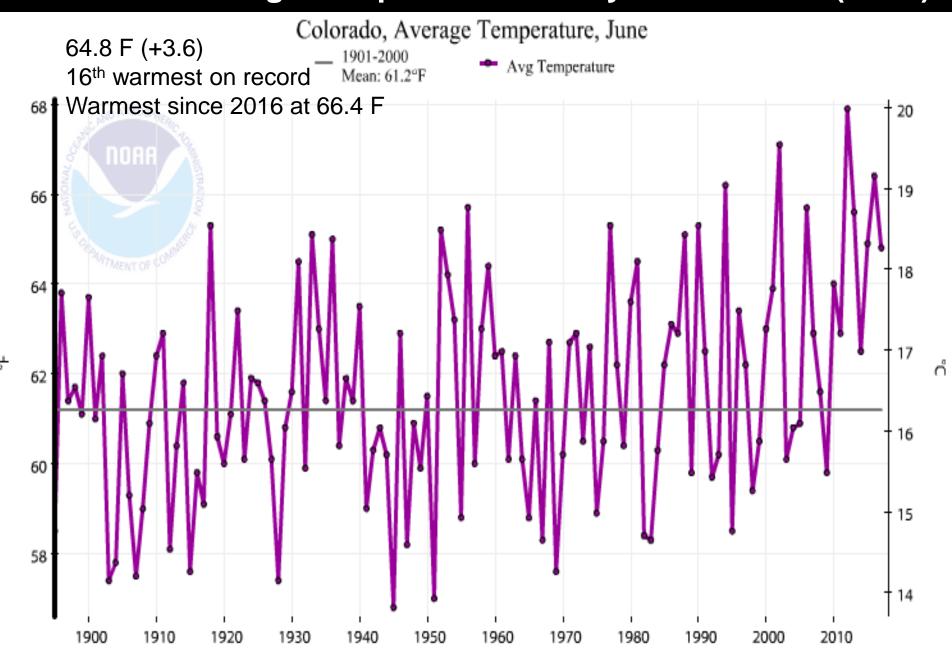
Presented to **Water Availability Task Force** July 25, 2017 Denver, CO

Water Year 2017 Temperature Departures

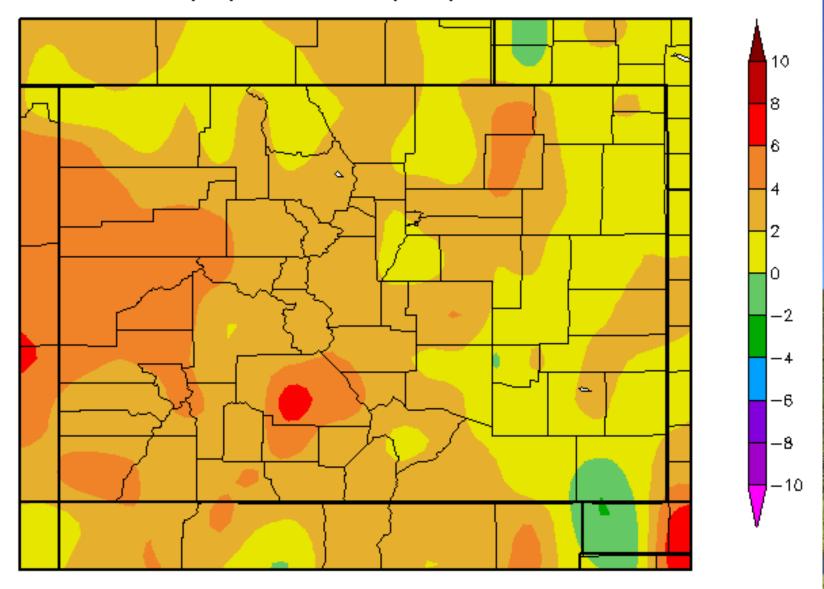




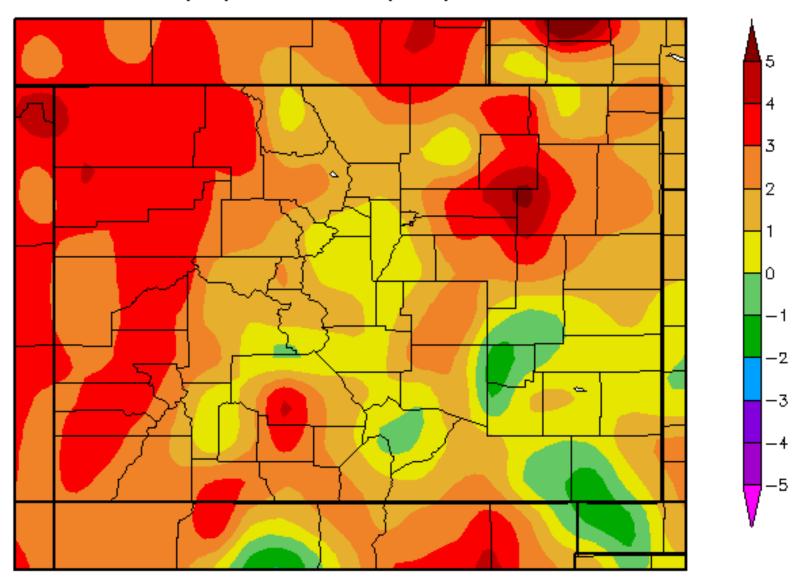
June 2017 Average Temperature History for Colorado (NCEI)



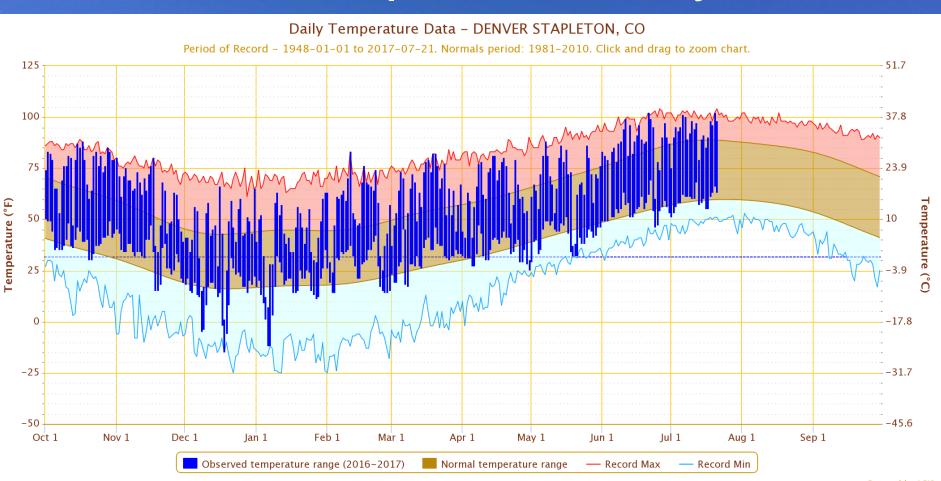
Departure from Normal Temperature (F) 6/1/2017 - 6/30/2017



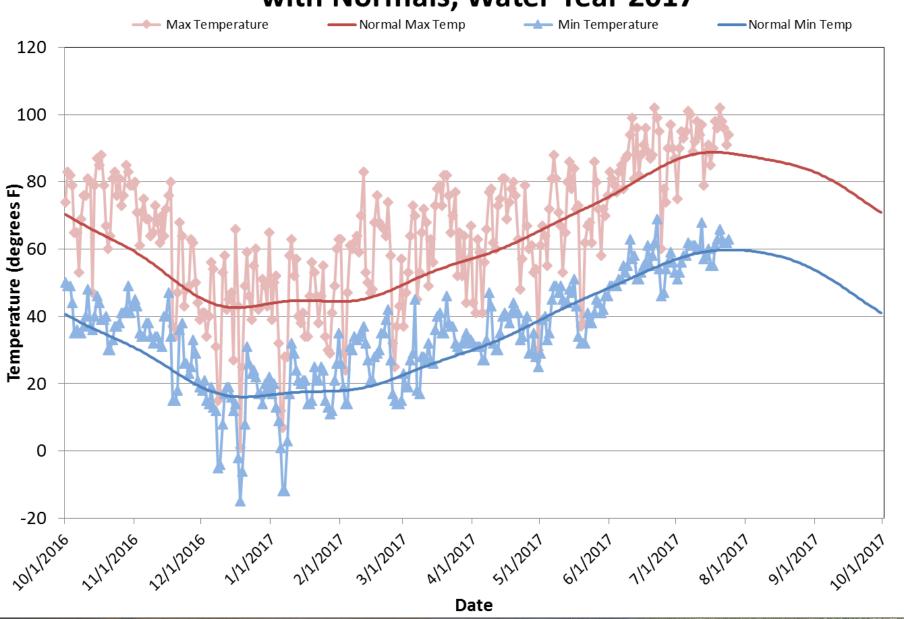
Departure from Normal Temperature (F) 7/1/2017 - 7/23/2017



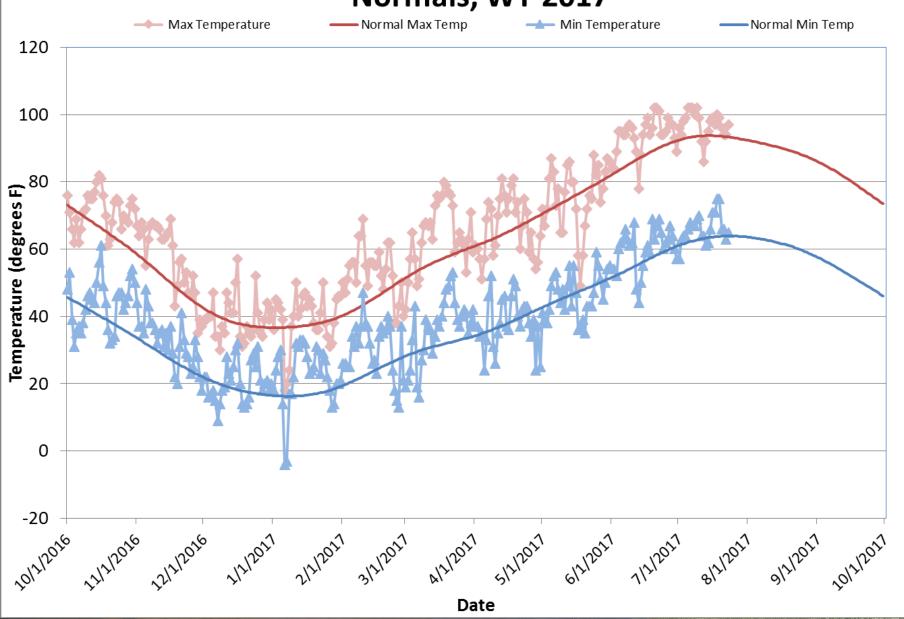
Denver temperatures wy2017

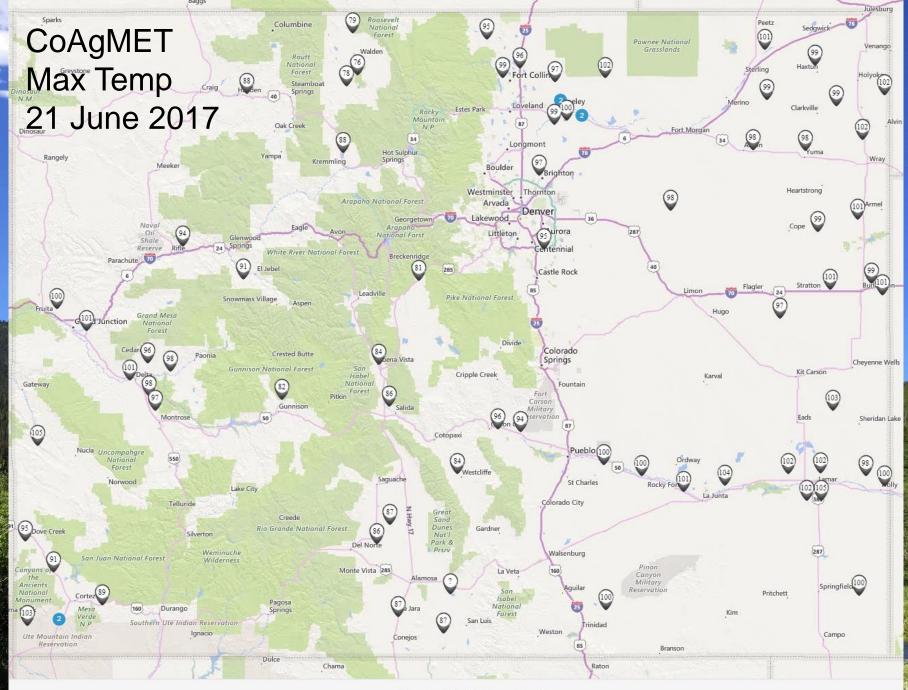


Denver-Stapleton Daily Max/Min Temperatures with Normals, Water Year 2017

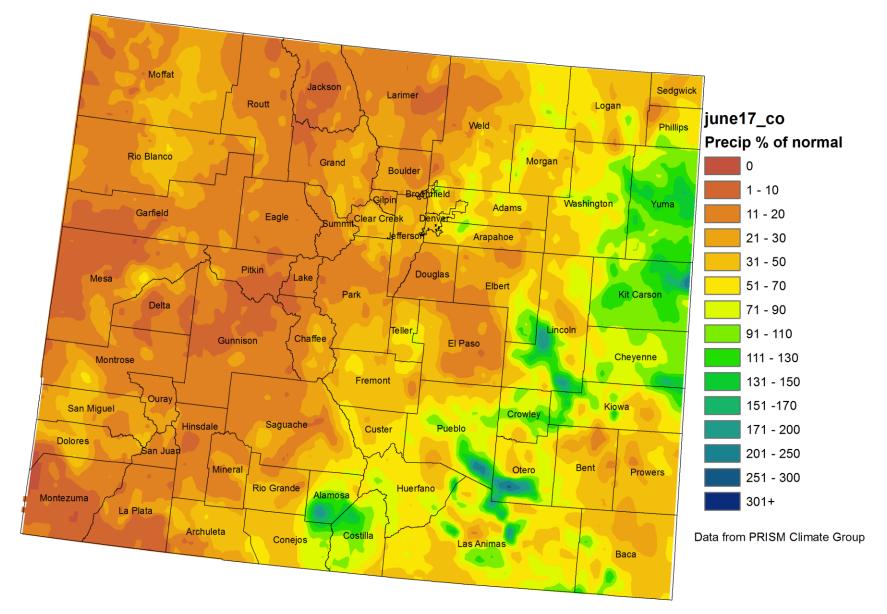


Grand Junction Daily Max/Min Temperature with Normals, WY 2017

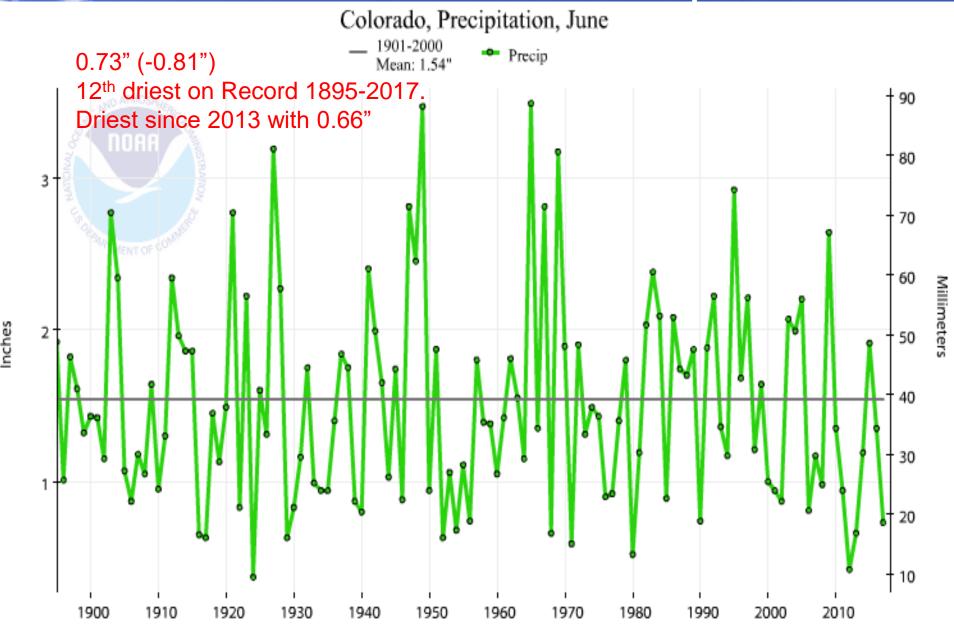




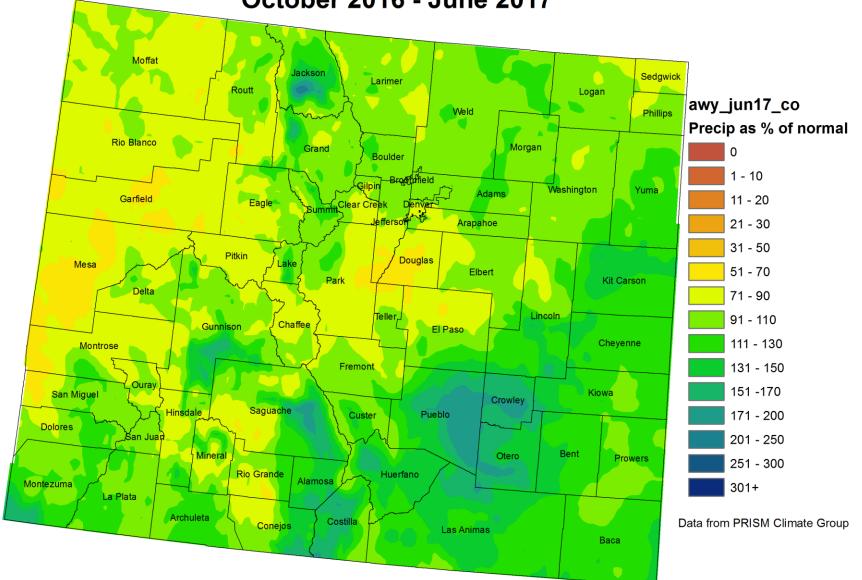
Colorado June 2017 Precipitation as a Percentage of Normal



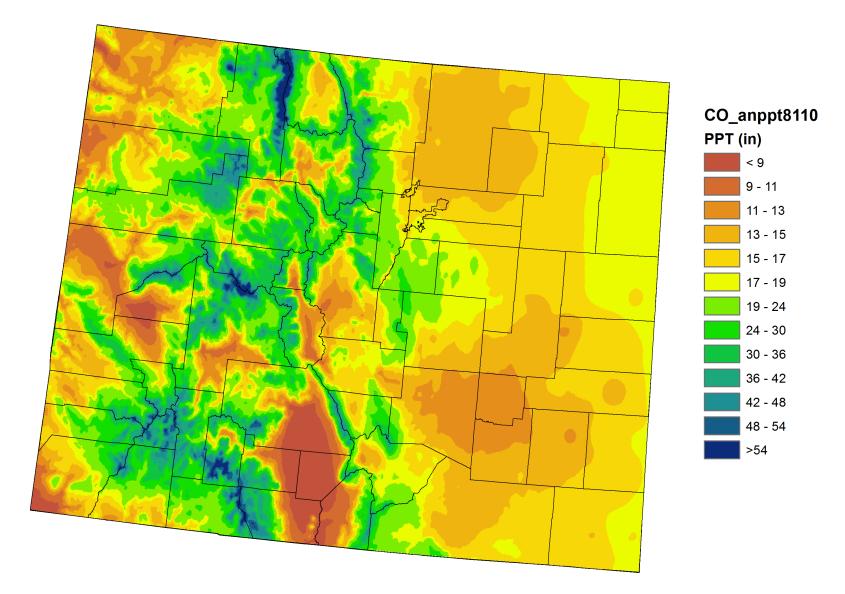
June 2017 Statewide Precipitation



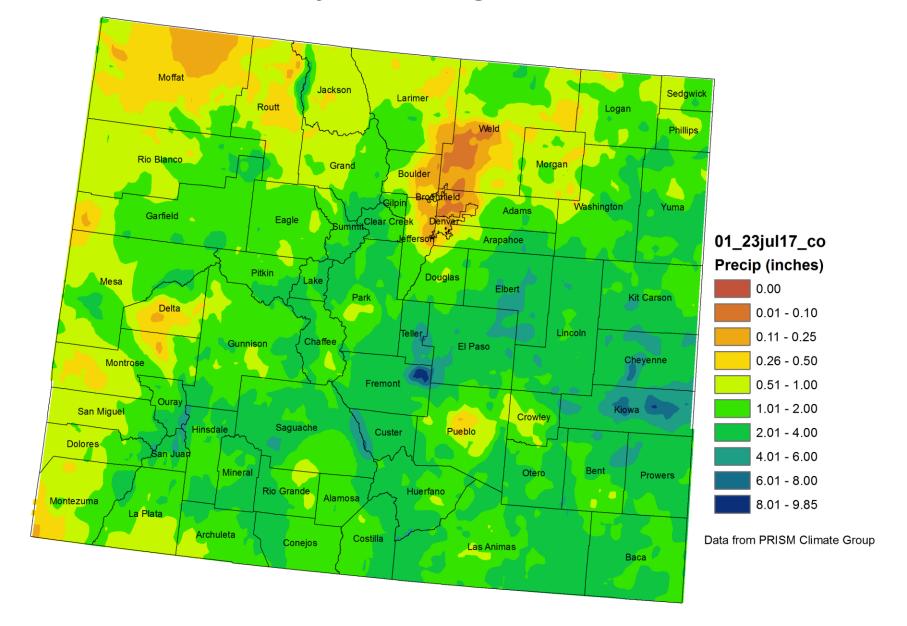
Colorado Water Year 2017 Precipitation as a Percentage of Normal October 2016 - June 2017

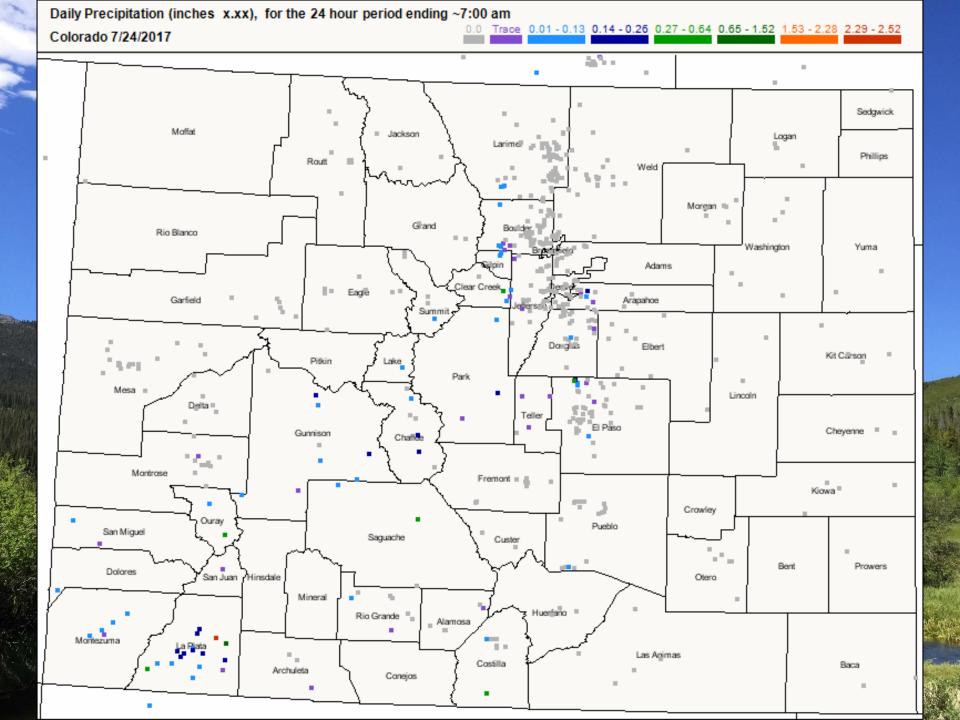


Colorado Annual Average Precipitation (in) 1981-2010

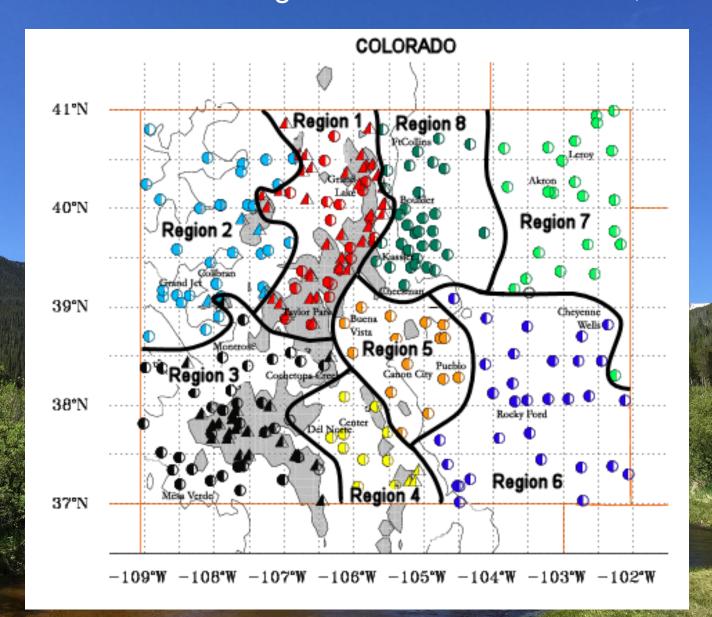


Colorado Month to Date Precipitation 1 - 23 July 2017 ending at 7AM MST

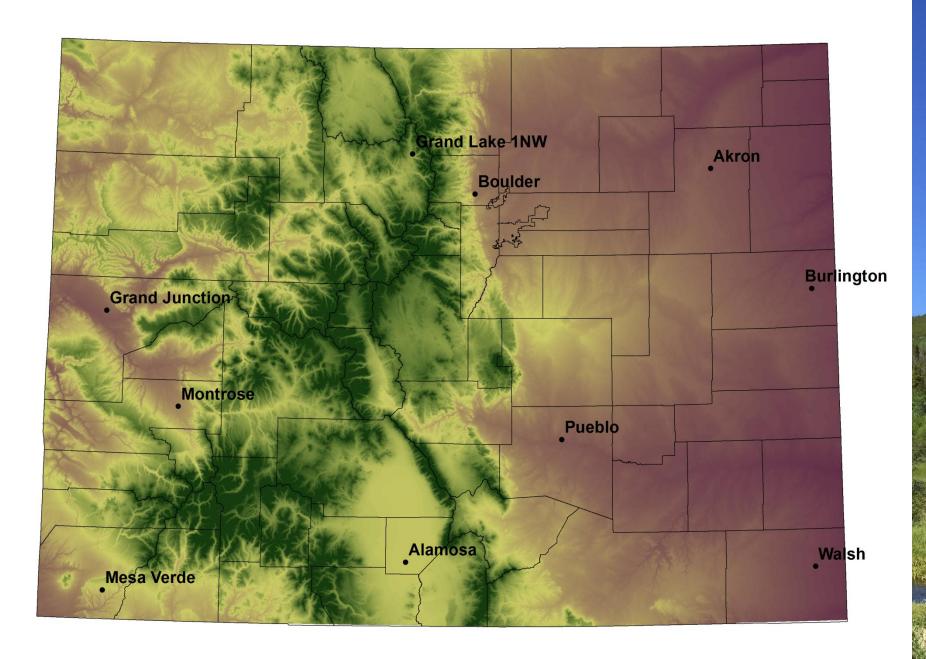




Climate divisions defined by Dr. Klaus Wolter of NOAA's Climate Diagnostic Center in Boulder, CO

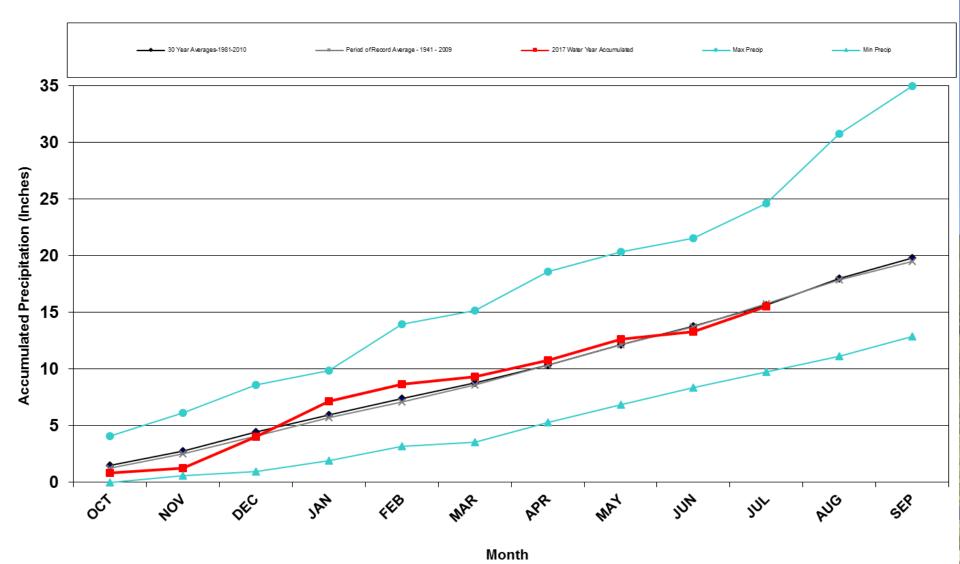


NWS Cooperative Stations for WATF



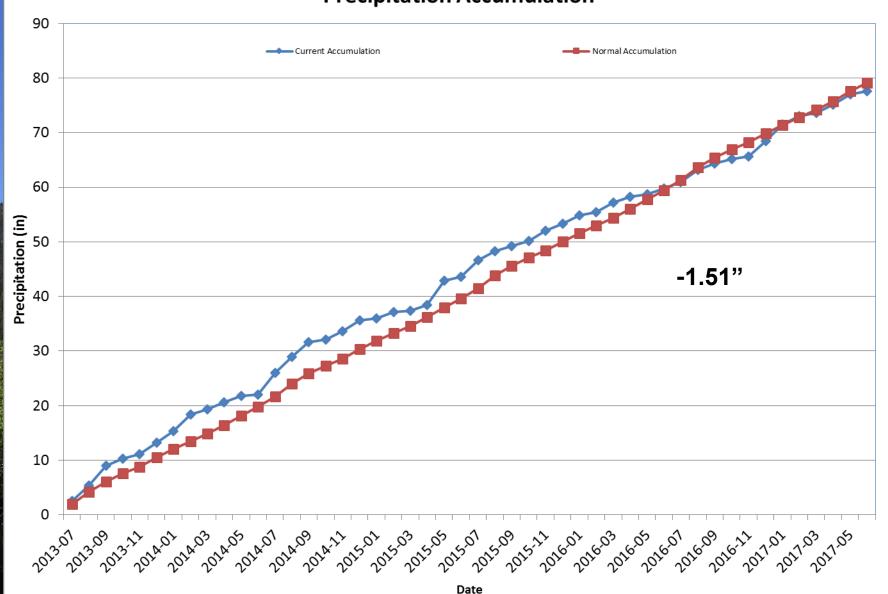
Division 1 – Grand Lake 1NW

Grand Lake 1 NW 2017 Water Year



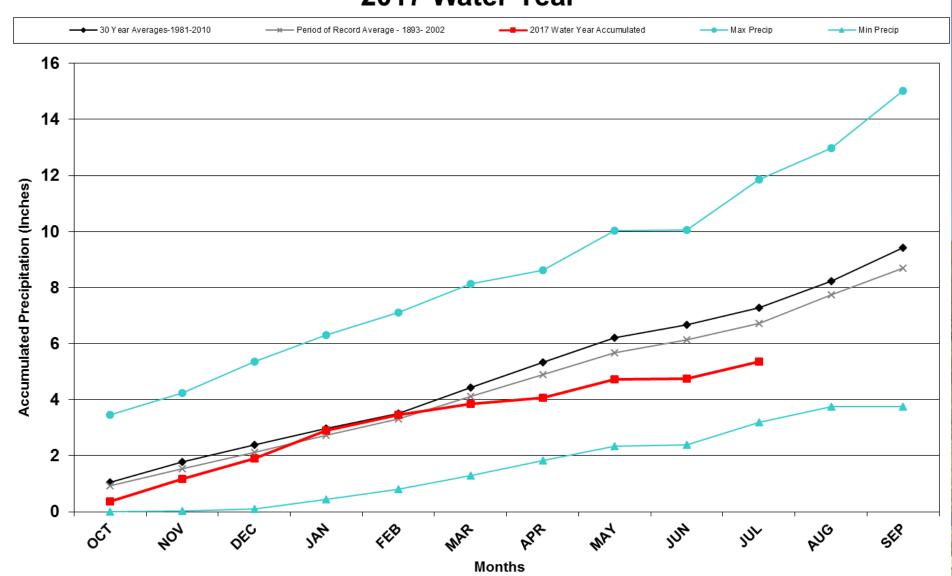
Division 1 – Grand Lake 1NW

Grand Lake 1NW Precipitation Accumulation



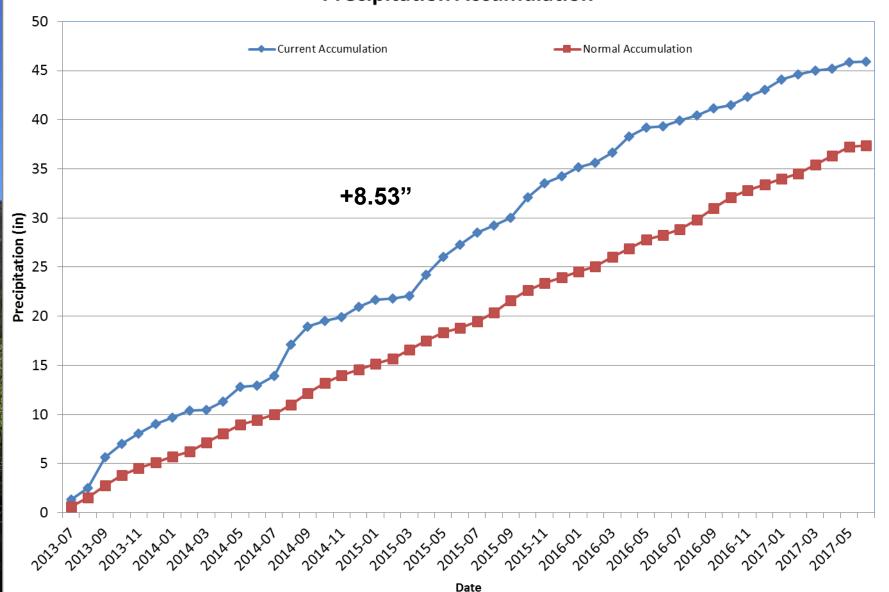
Division 2 - Grand Junction

Grand Junction WSFO 2017 Water Year



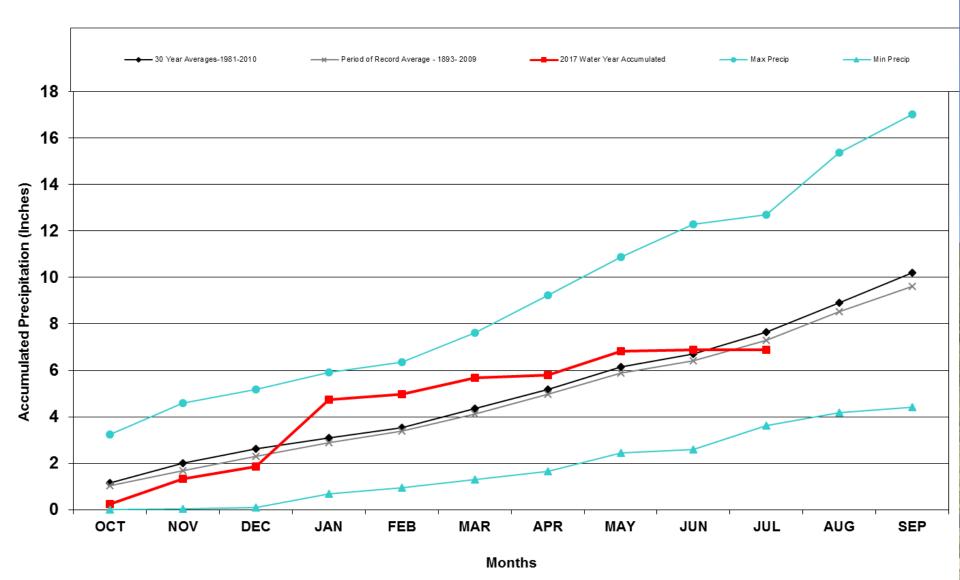
Division 2 - Grand Junction





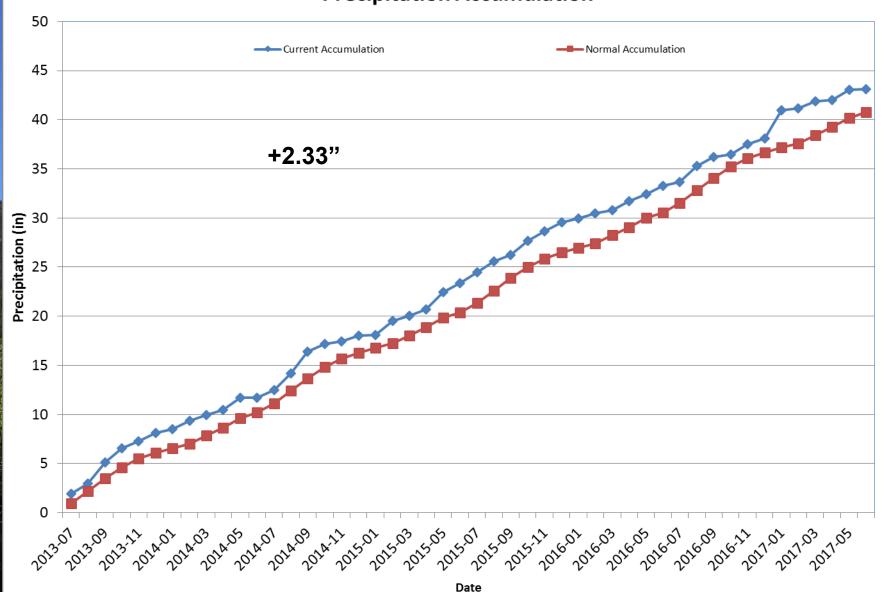
Division 3 – Montrose

Montrose #2 2017 Water Year



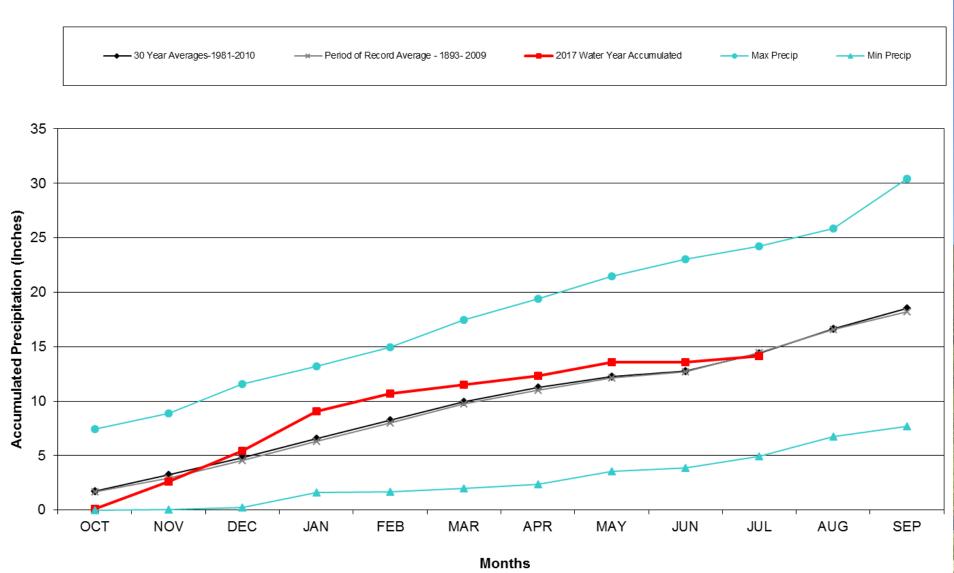
Division 3 - Montrose

Montrose #2 Precipitation Accumulation



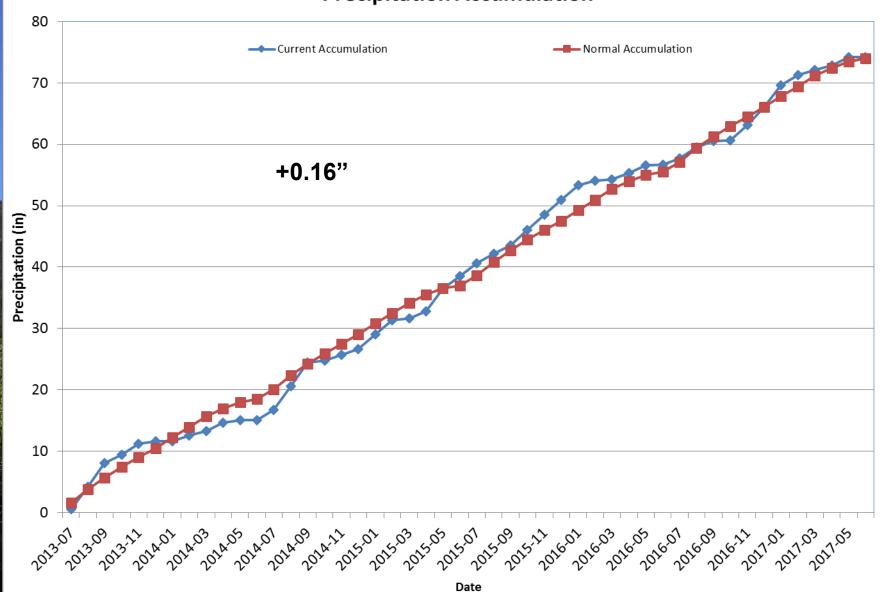
Division 3 – Mesa Verde NP

Mesa Verde NP 2017 Water Year



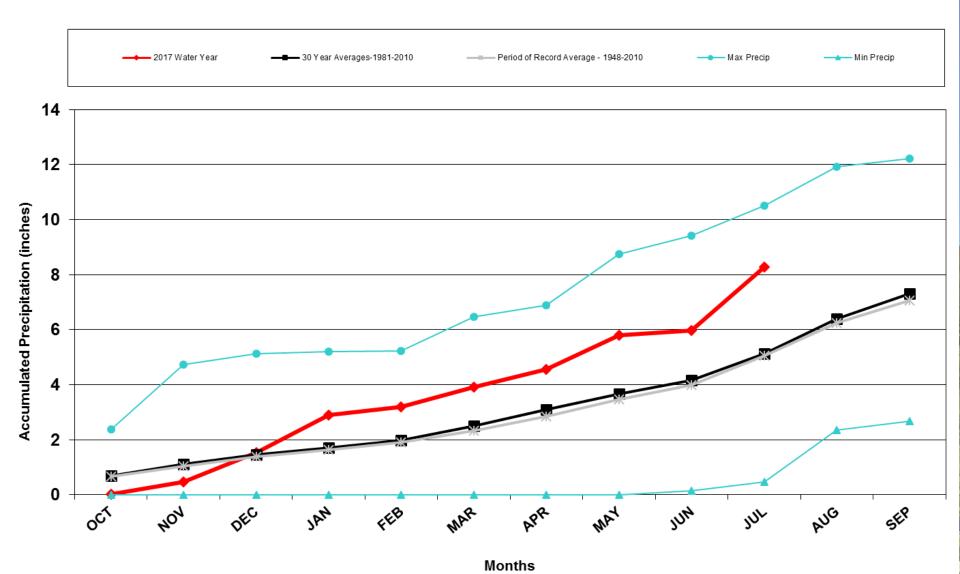
Division 3 – Mesa Verde NP





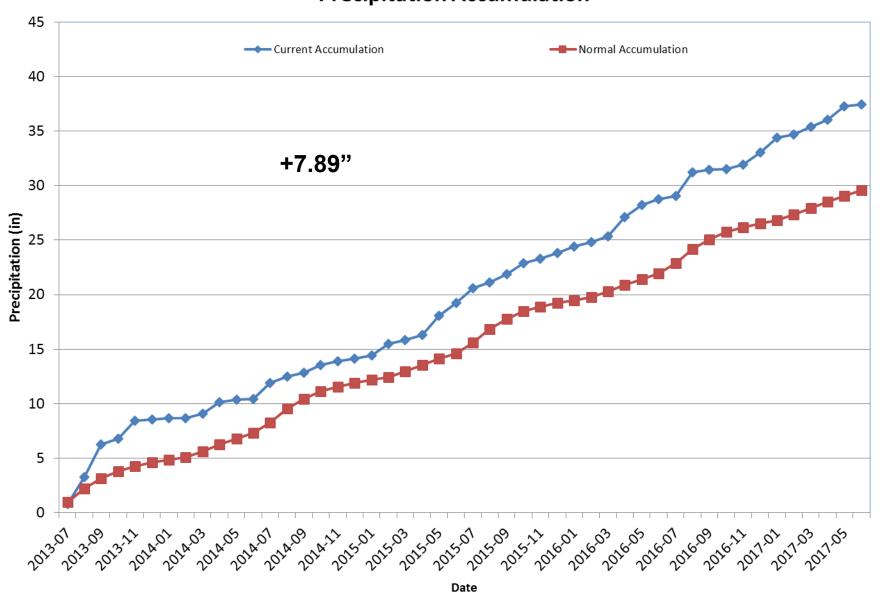
Division 4 – Alamosa

Alamosa WSO 2017 Water Year



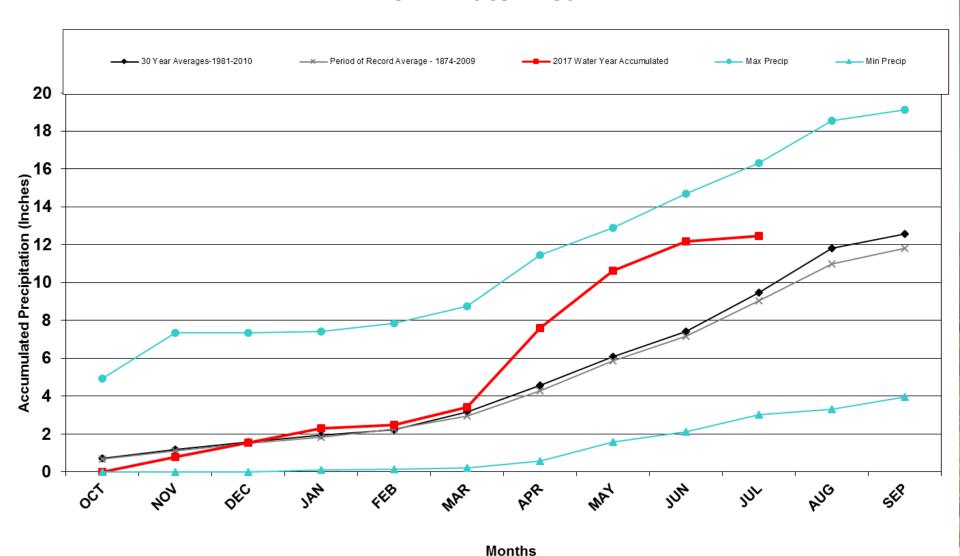
Division 4 – Alamosa

Alamosa WSO Precipitation Accumulation



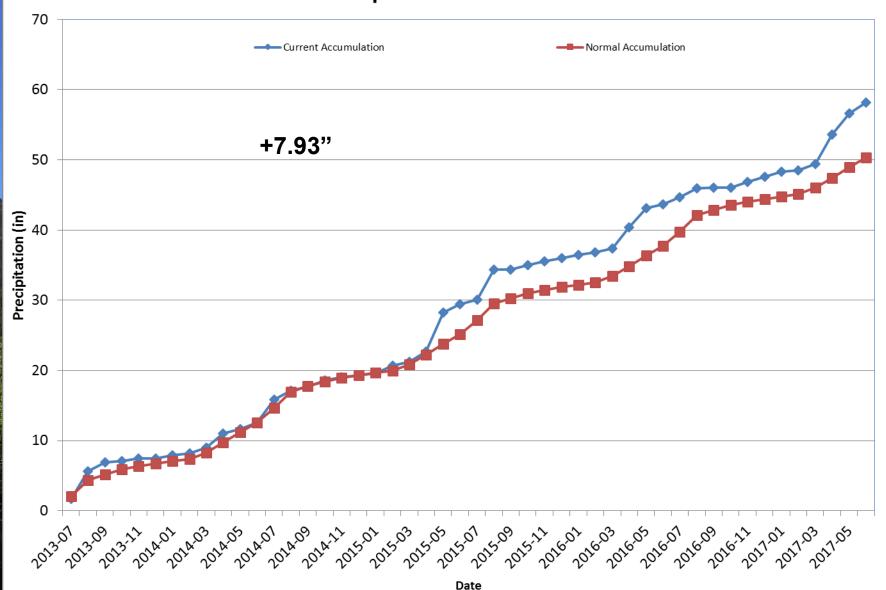
Division 5 – Pueblo

Pueblo WSO 2017 Water Year



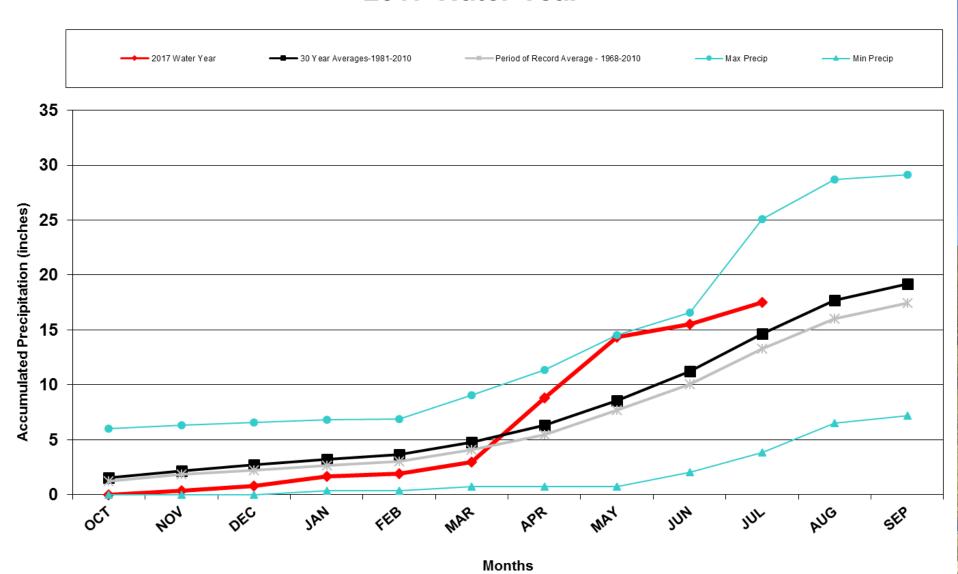
Division 5 – Pueblo

Pueblo Memorial AP Precipitation Accumulation



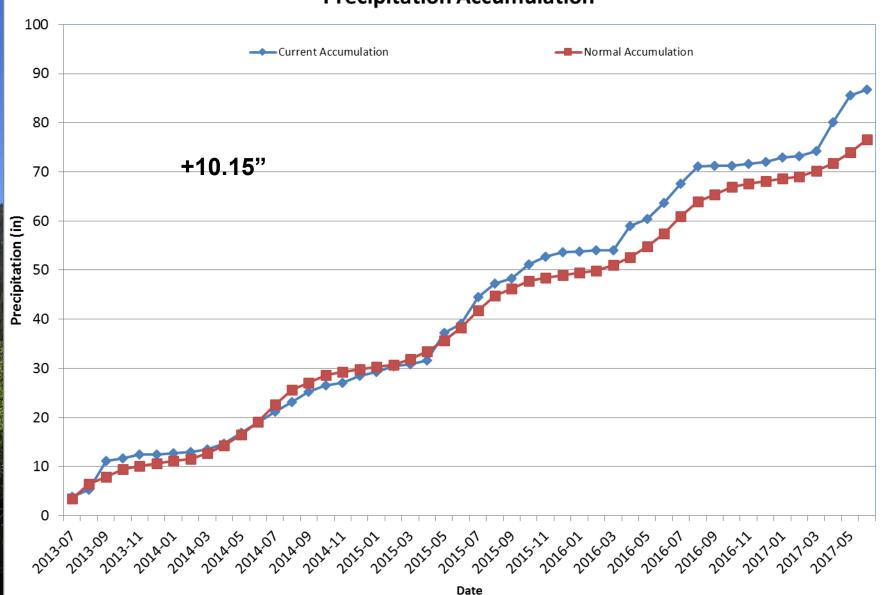
Division 6 - Walsh

Walsh 2017 Water Year



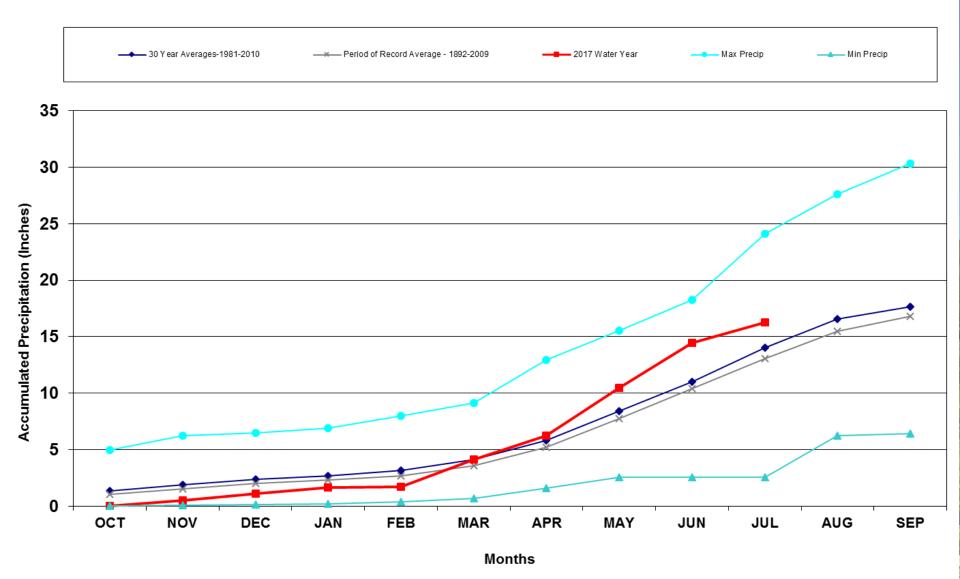
Division 6 - Walsh





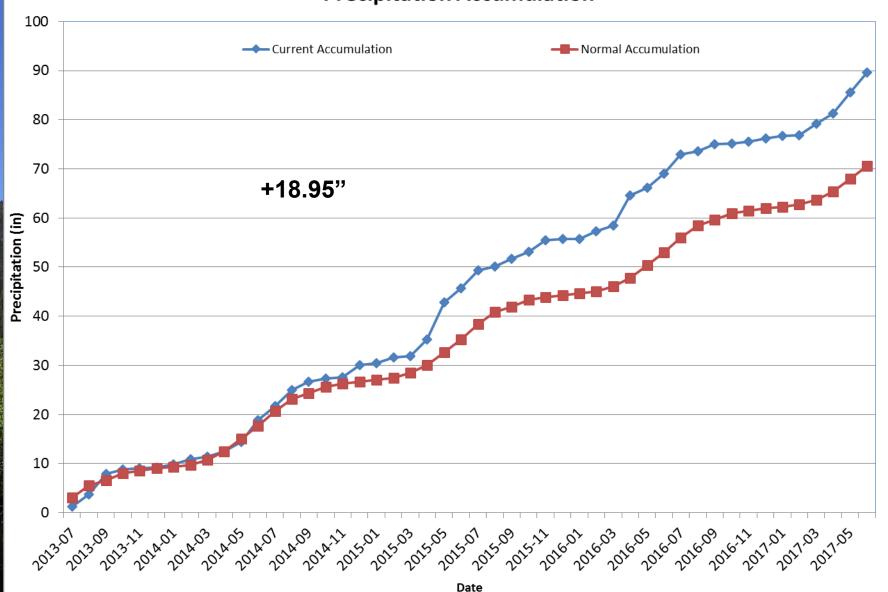
Division 6 - Burlington

Burlington 2017 Water Year



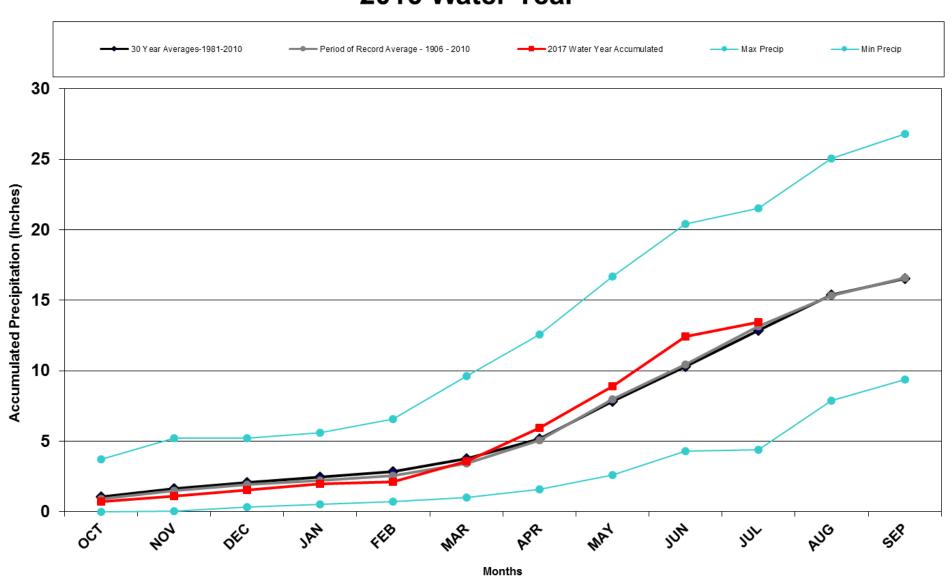
Division 6 - Burlington





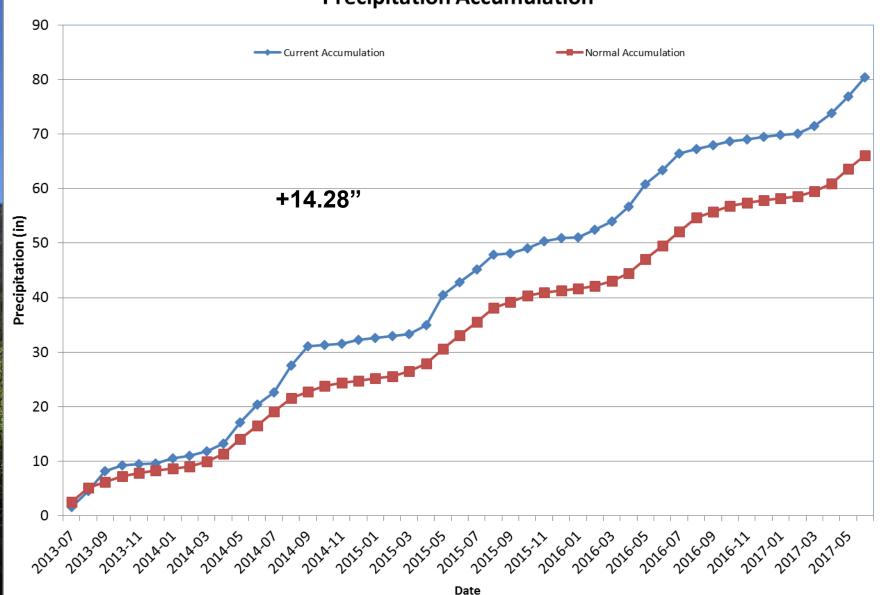
Division 7 – Akron

Akron 4E 2016 Water Year



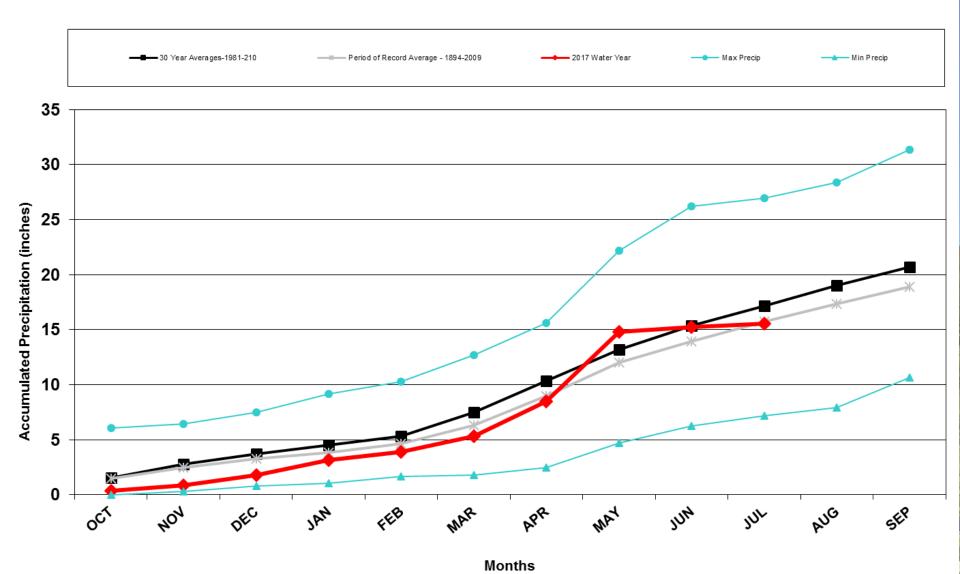
Division 7 – Akron





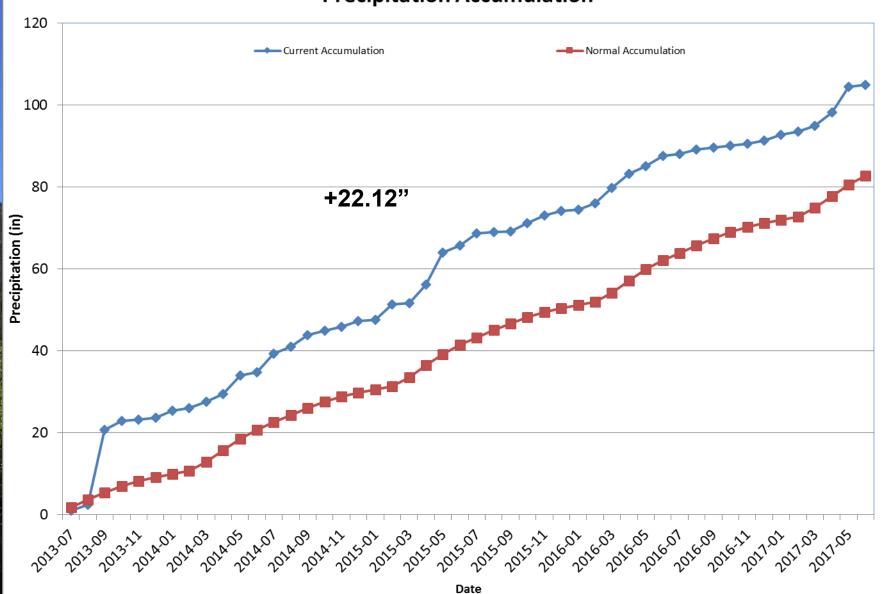
Division 8 - Boulder

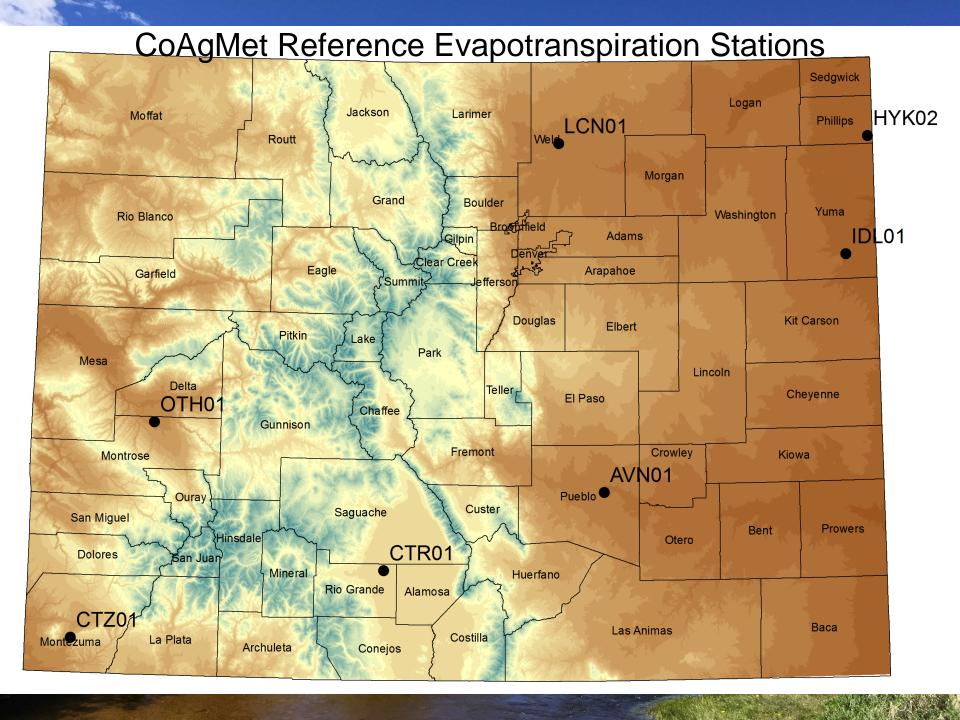
Boulder 2017 Water Year



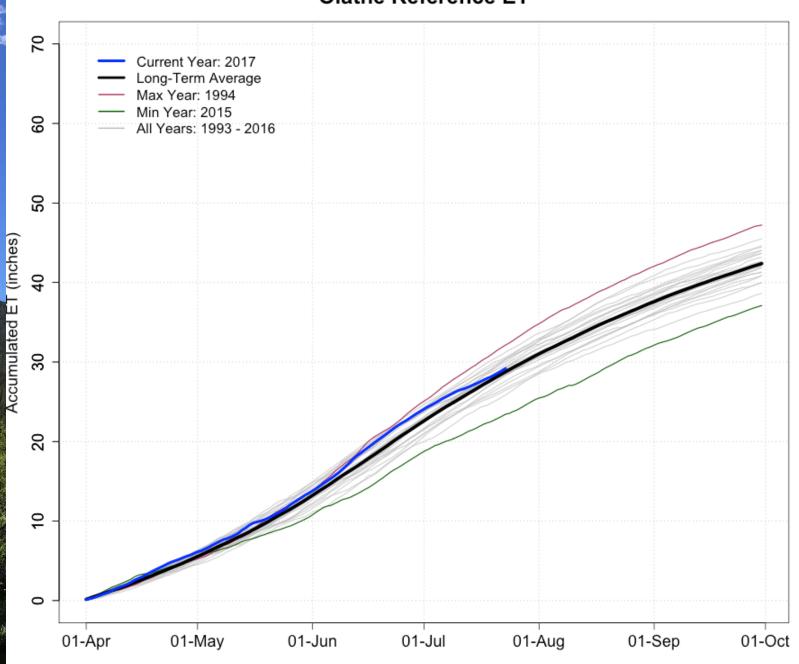
Division 8 - Boulder



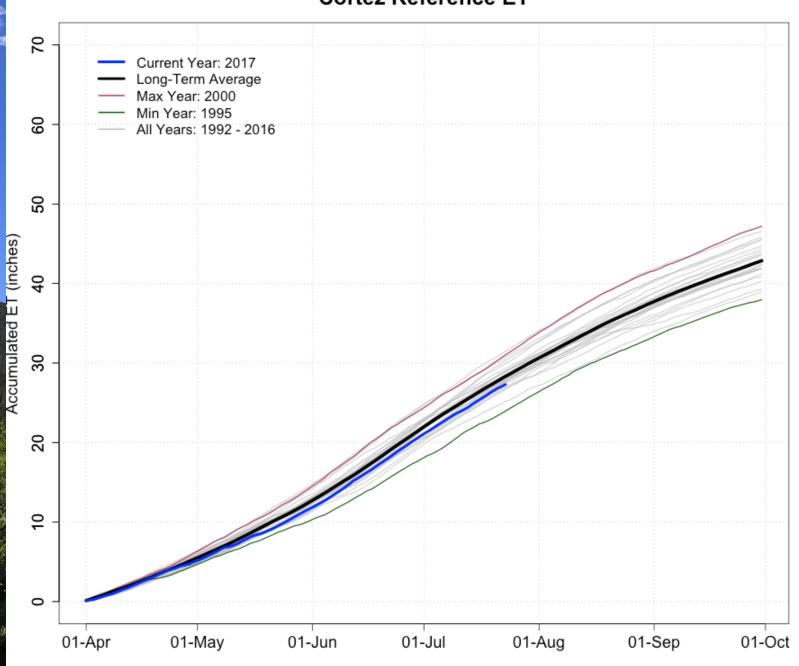




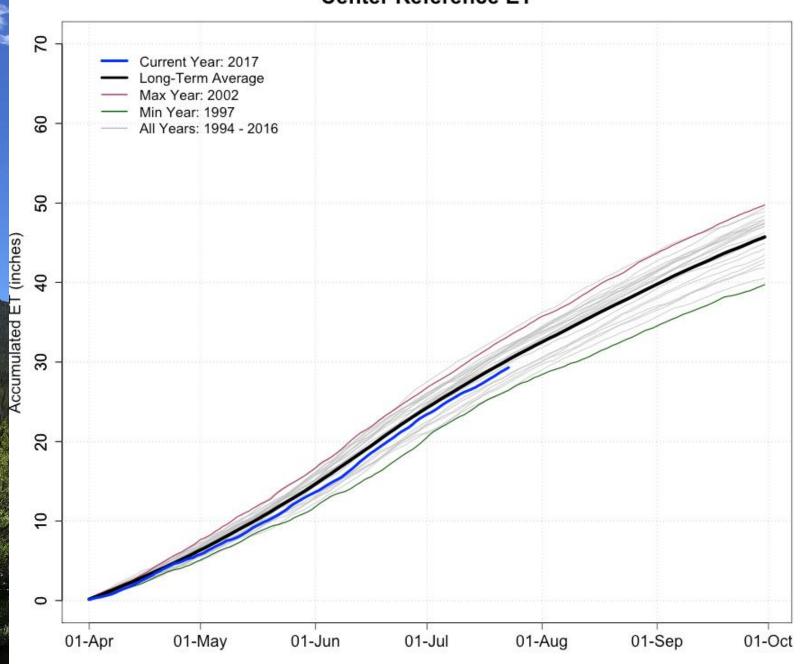
Olathe Reference ET



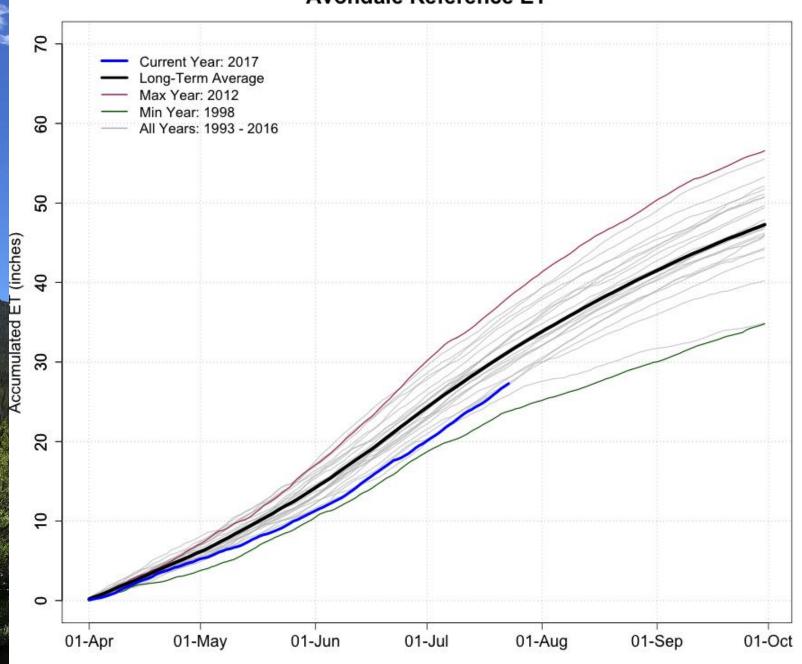
Cortez Reference ET



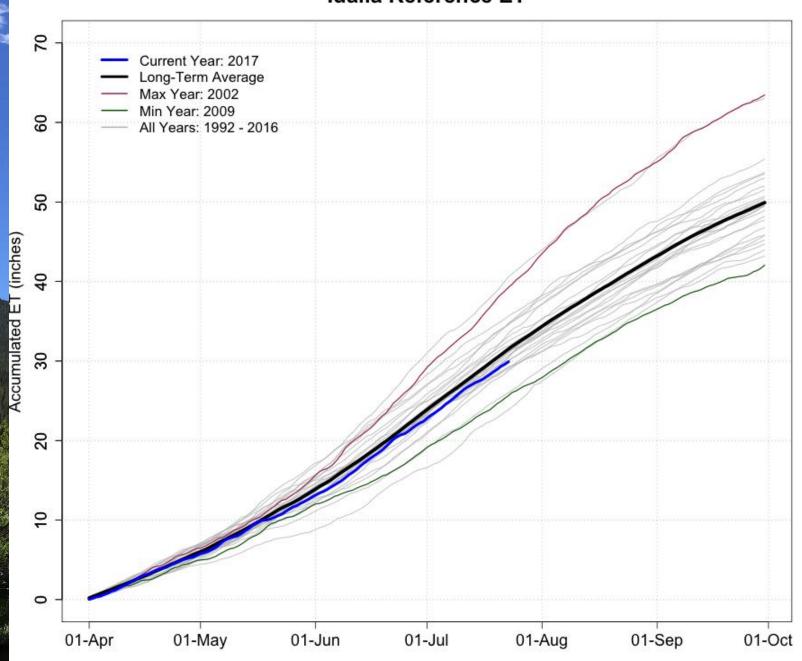
Center Reference ET



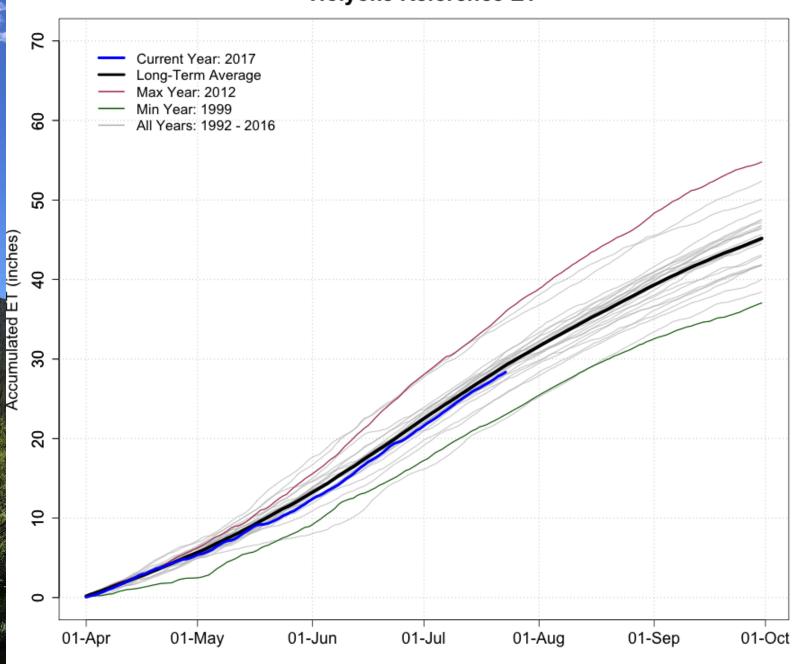
Avondale Reference ET



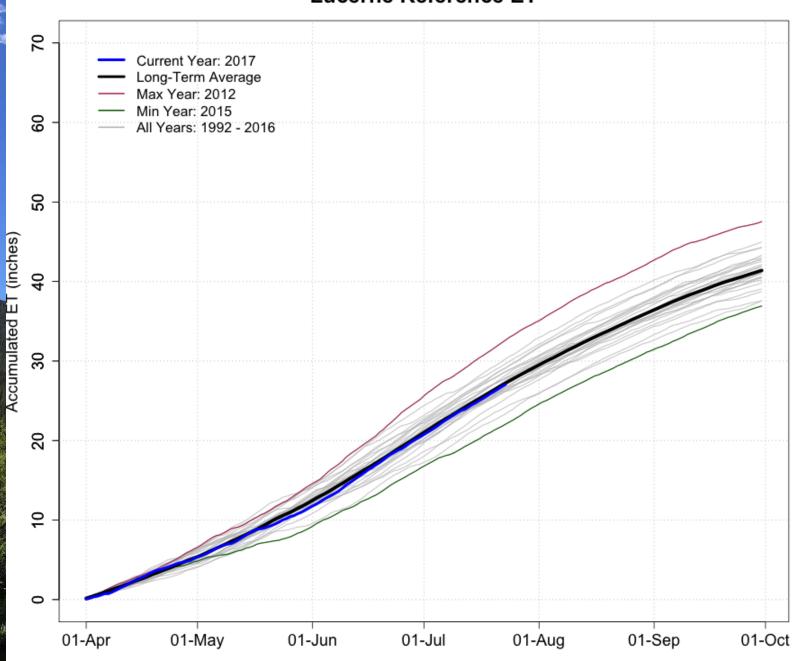
Idalia Reference ET

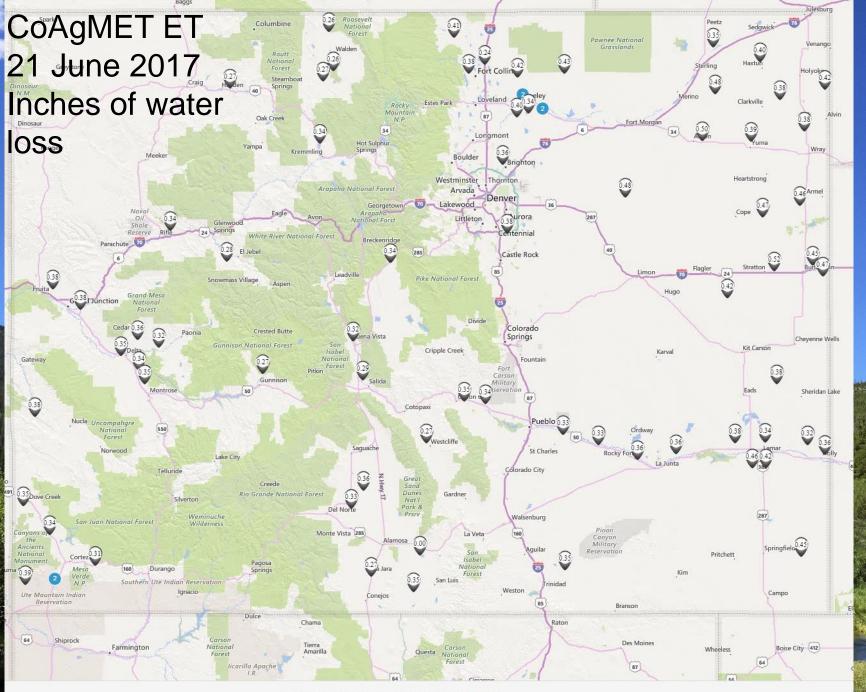


Holyoke Reference ET



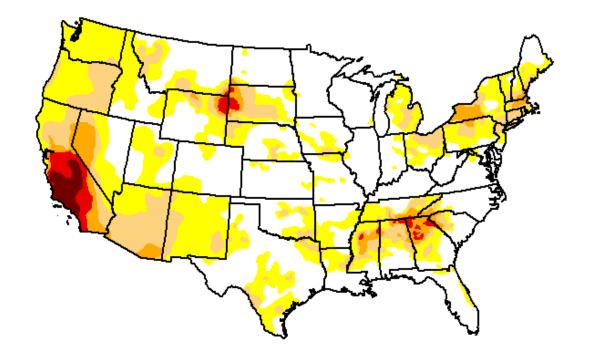
Lucerne Reference ET





U.S. Drought Monitor

Drought Conditions one year ago



July 26, 2016

(Released Thursday, Jul. 28, 2016)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Сиггепт	49.07	50.93	20.75	7.13	2.92	1.11
Last Week 7/19/2016	52.34	47.66	18.79	6.78	2.85	1.11
3 Months Ago 426/2016	60.36	39.64	15.38	5.89	3.44	1.11
Start of Calendar Year 12/29/2015	66.99	33.01	18.74	11.56	6.28	2.70
Start of Water Year 929/2015	44.91	55.09	31.36	20.09	11.45	3.00
One Year Ago 7/28/2015	61.11	38.89	25.71	17.17	8.79	2.83

Intensity:

D0 Abnormally Dry

D1 Moderate Drought

D2 Severe Drought

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

Author(s):

Brad Rippey

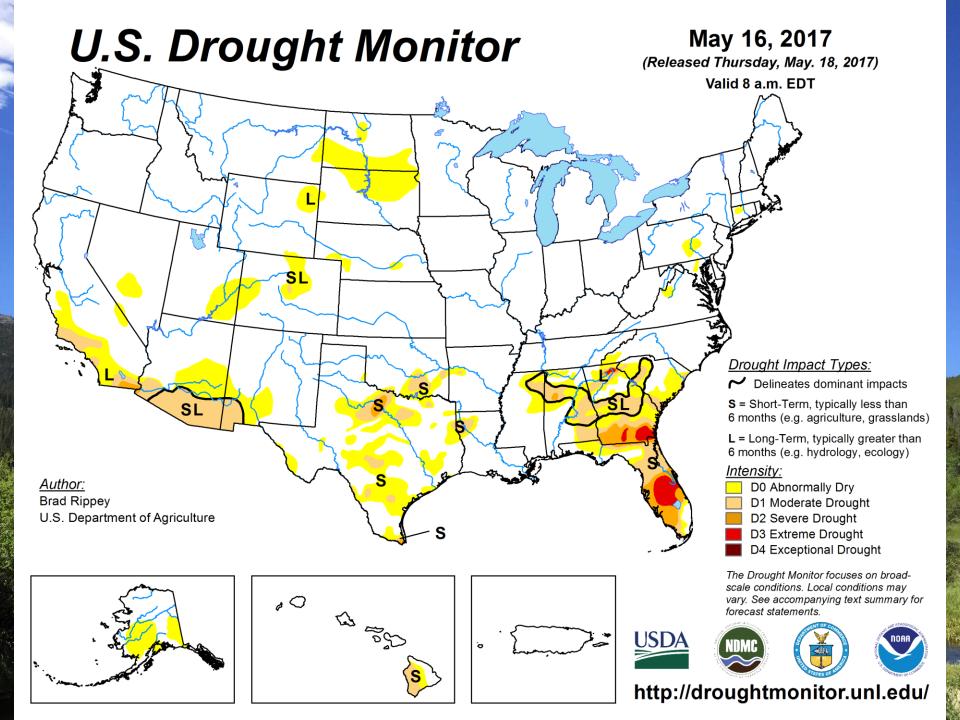
U.S. Department of Agriculture

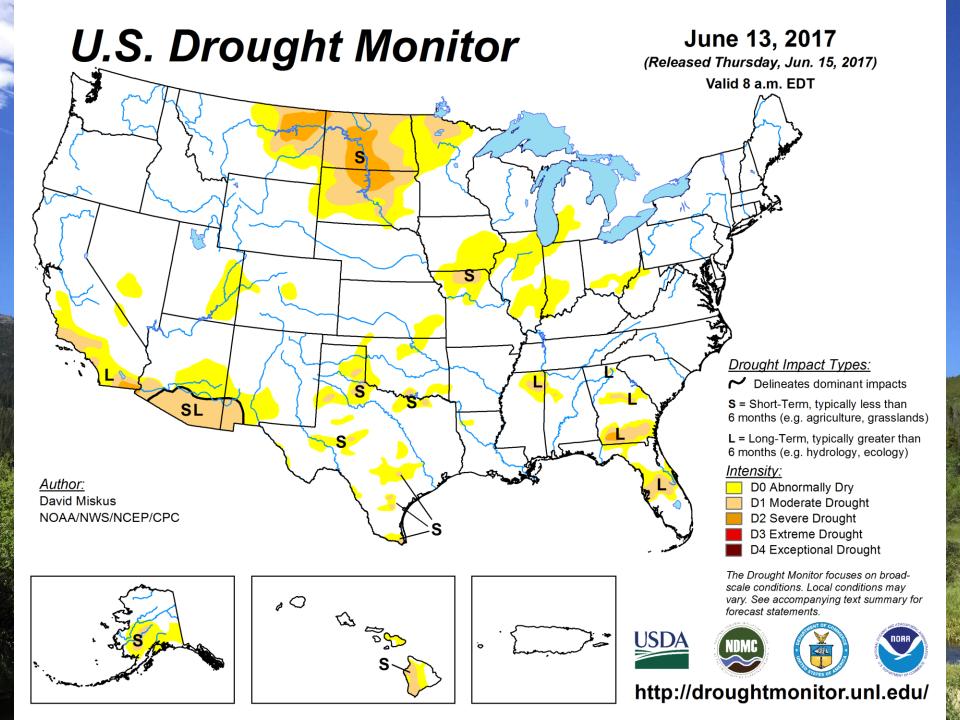


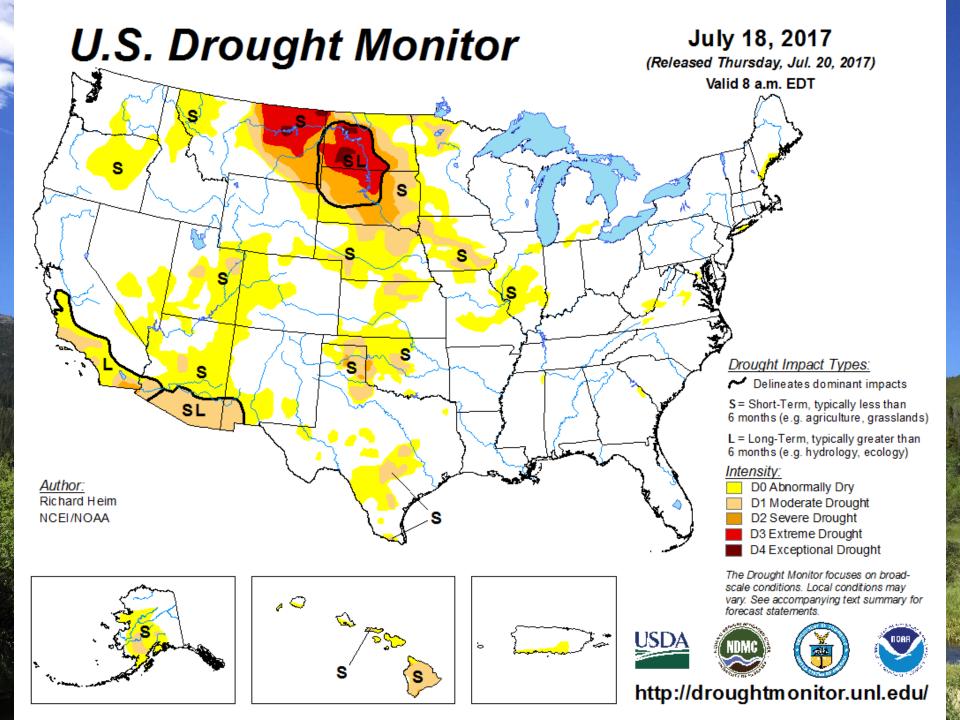




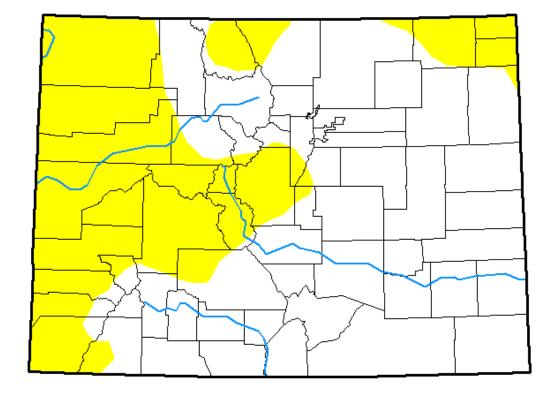








U.S. Drought Monitor Colorado



July 18, 2017

(Released Thursday, Jul. 20, 2017)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	64.47	35.53	0.00	0.00	0.00	0.00
Last Week 07-11-2017	66.84	33.16	0.00	0.00	0.00	0.00
3 Month's Ago 04-18-2017	46.01	53.99	11.88	0.00	0.00	0.00
Start of Calendar Year 01-03-2017	31.88	68.12	37.21	2.88	0.00	0.00
Start of Water Year 09-27-2016	70.49	29.51	2.45	0.00	0.00	0.00
One Year Ago 07-19-2016	81.13	18.87	0.00	0.00	0.00	0.00

Intensity:

D0 Abnormally Dry
D1 Moderate Drought
D2 Severe Drought

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

Author: Richard Heim NCEI/NOAA

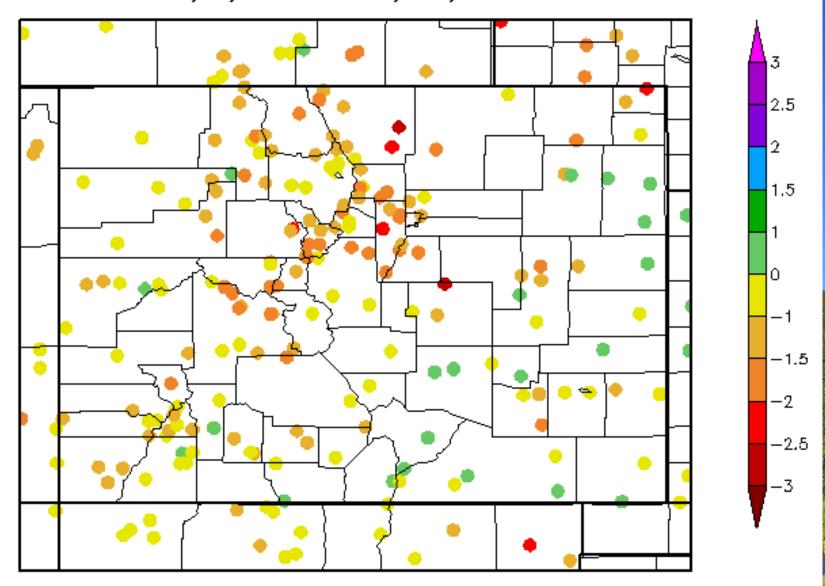




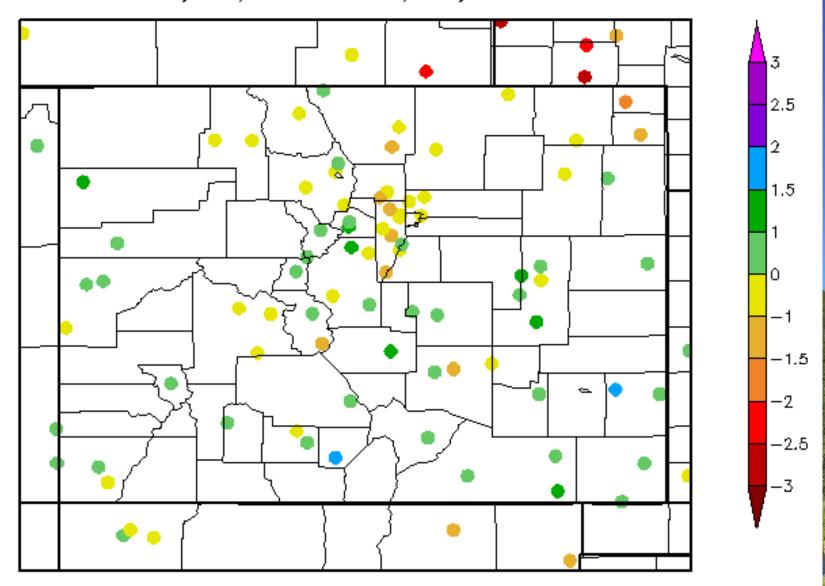




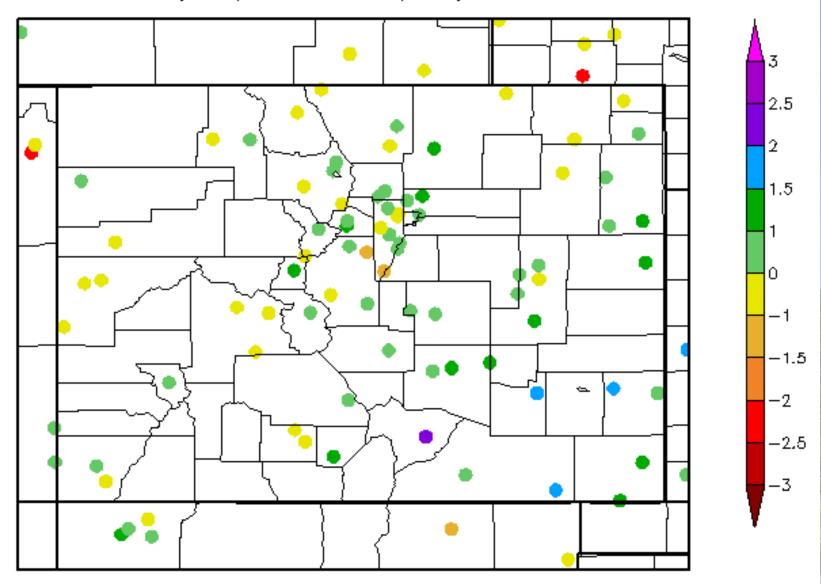
Monthly SPI 6/1/2017 - 6/30/2017



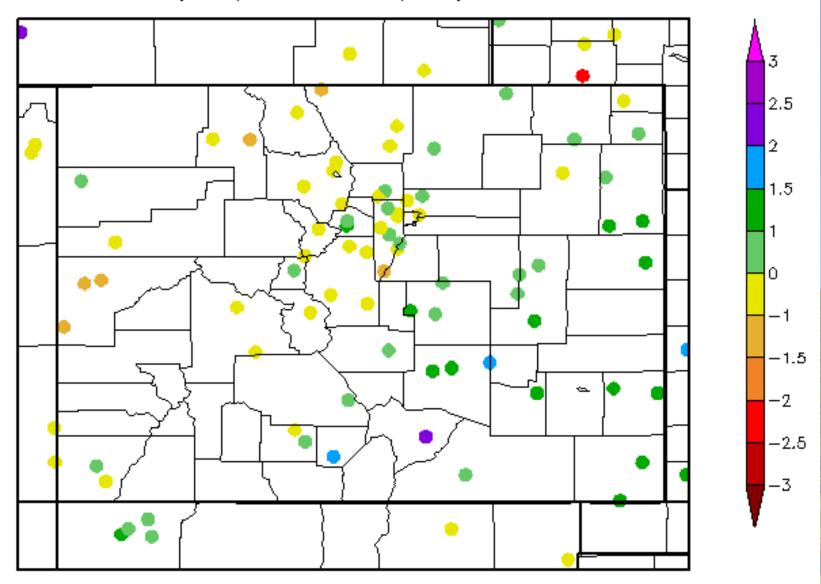
30 Day SPI 6/24/2017 - 7/23/2017



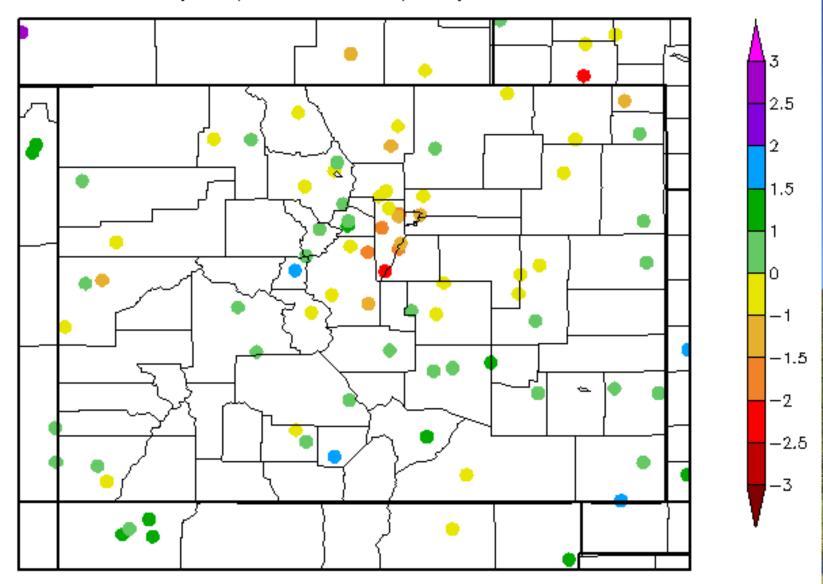
90 Day SPI 4/25/2017 - 7/23/2017



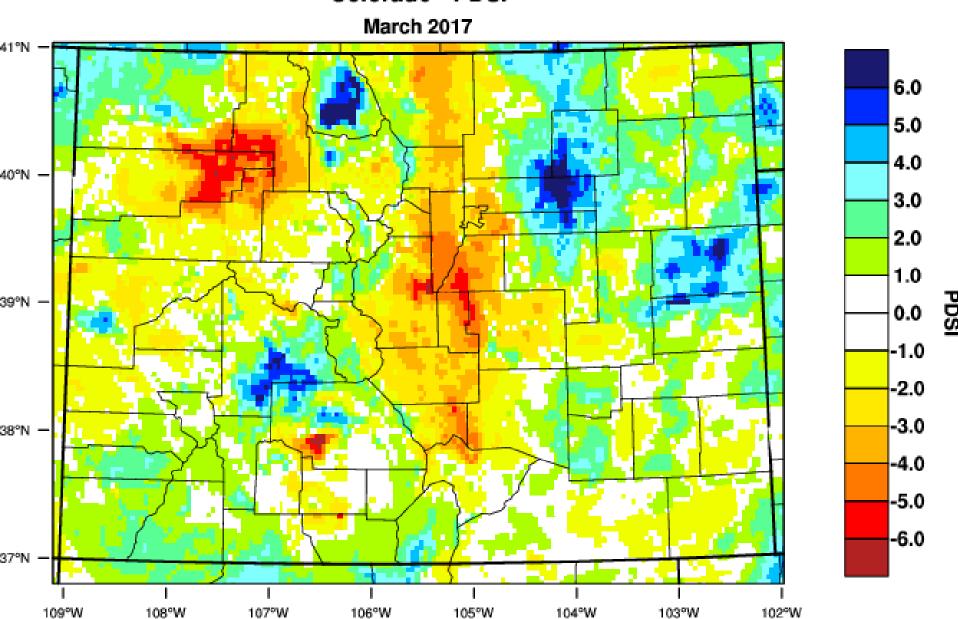
6 Month SPI 1/24/2017 - 7/23/2017



12 Month SPI 7/24/2016 - 7/23/2017

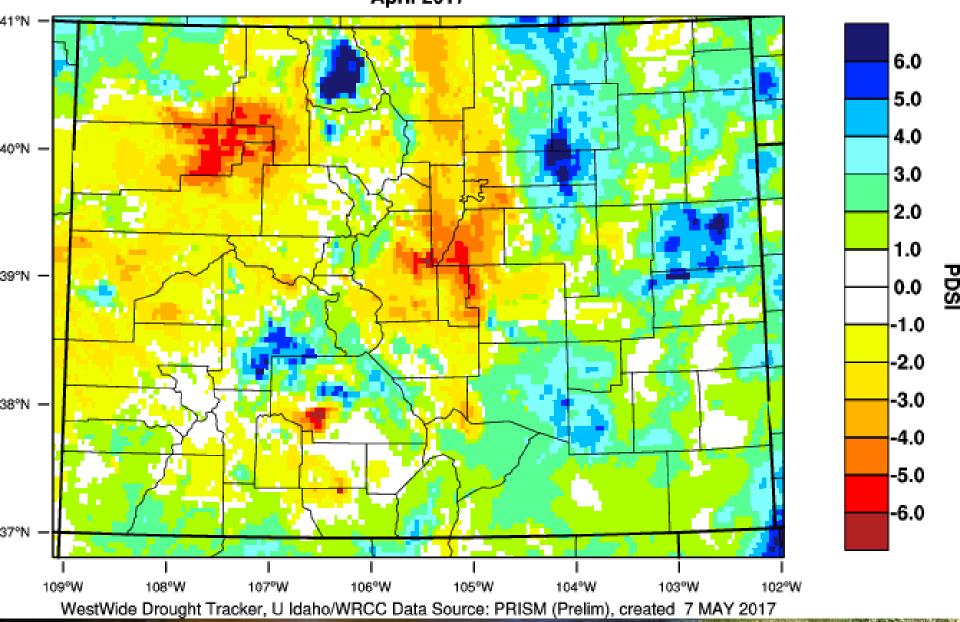


Colorado - PDSI

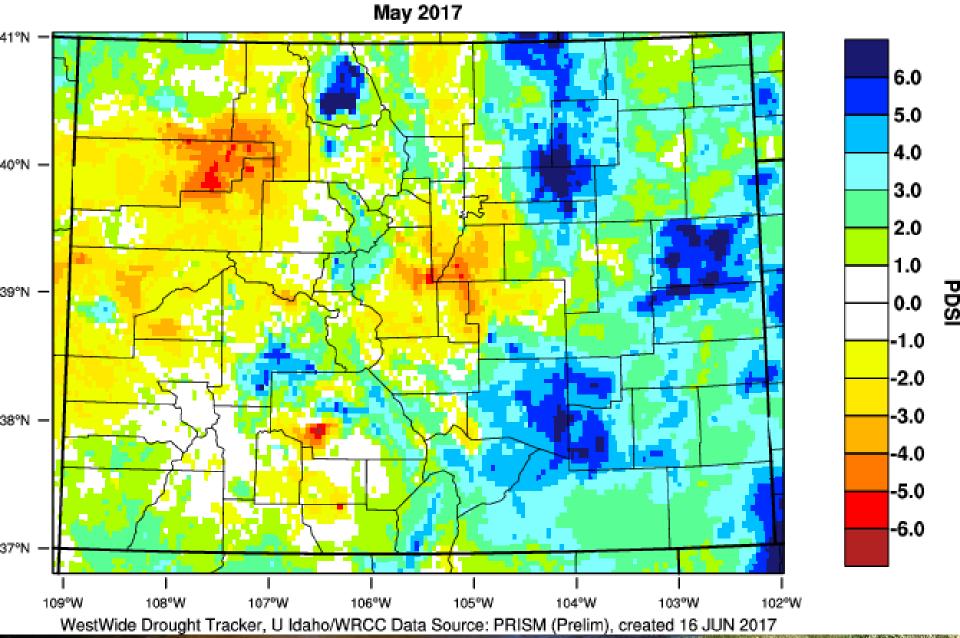


WestWide Drought Tracker, U Idaho/WRCC Data Source: PRISM (Prelim), created 25 MAY 2017

Colorado - PDSI April 2017

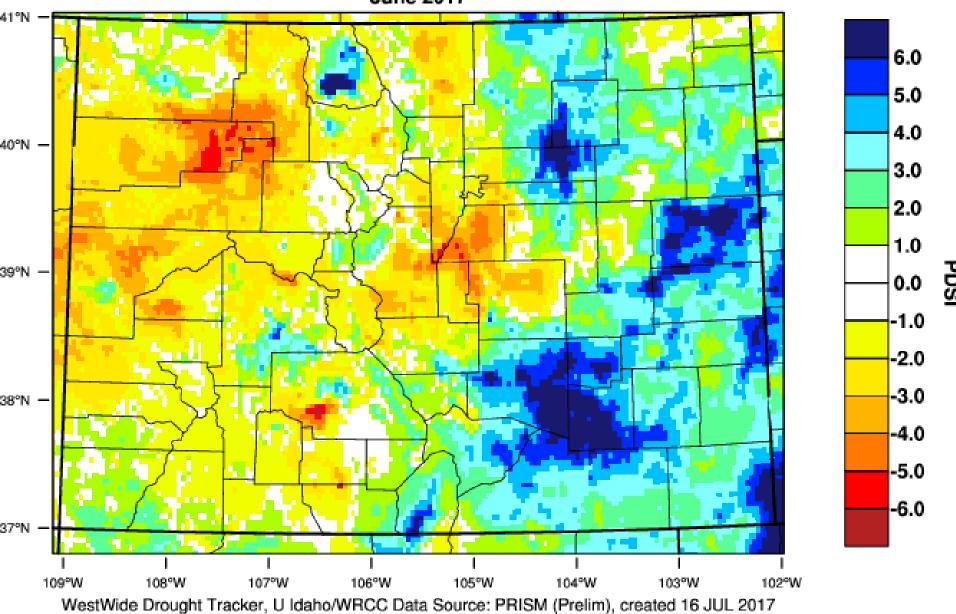


Colorado - PDSI



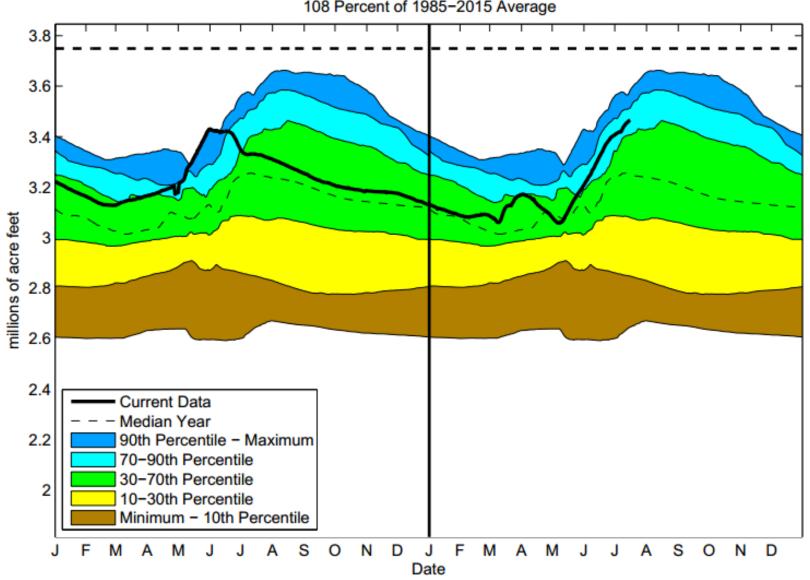
Colorado - PDSI

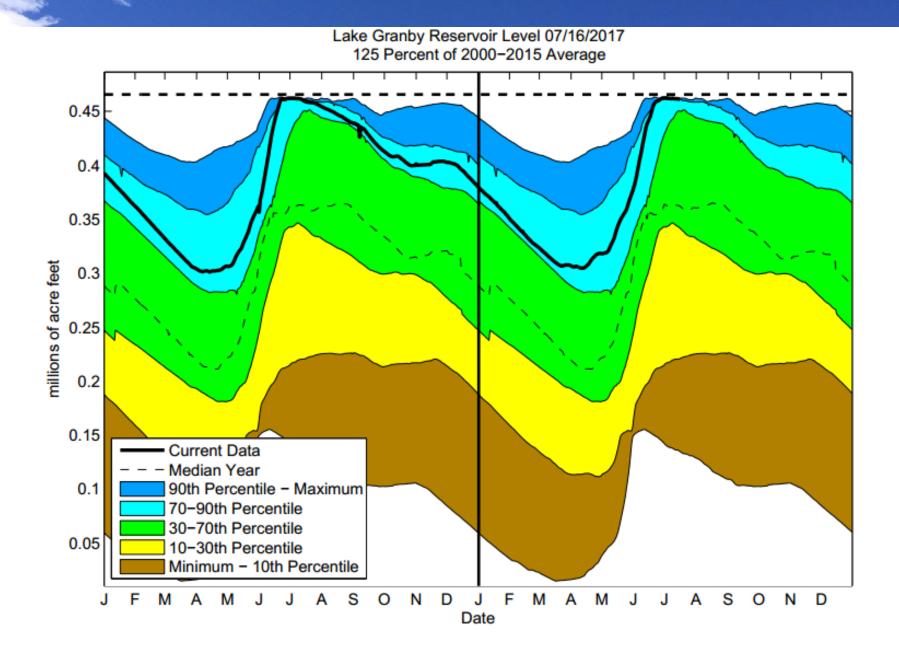


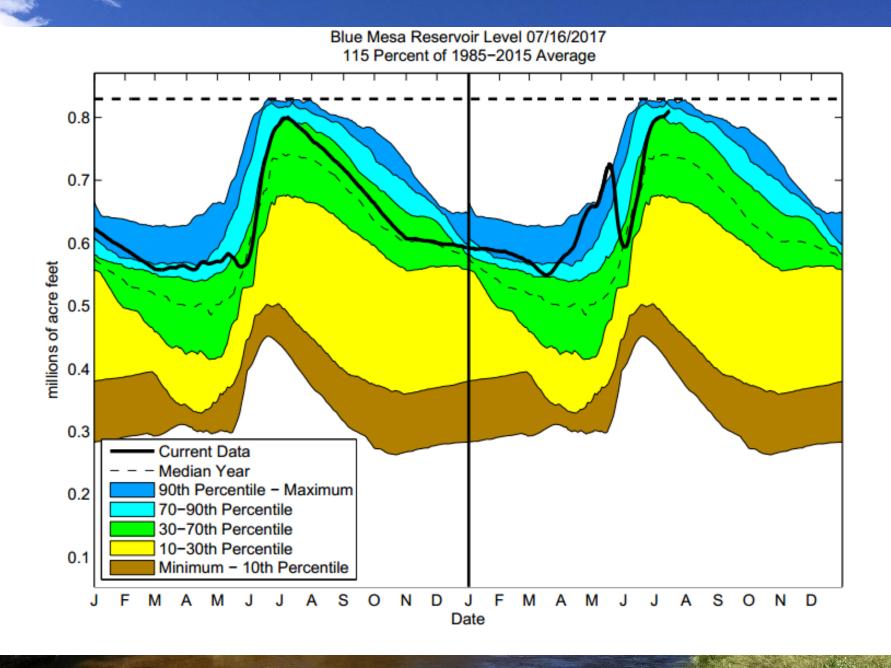


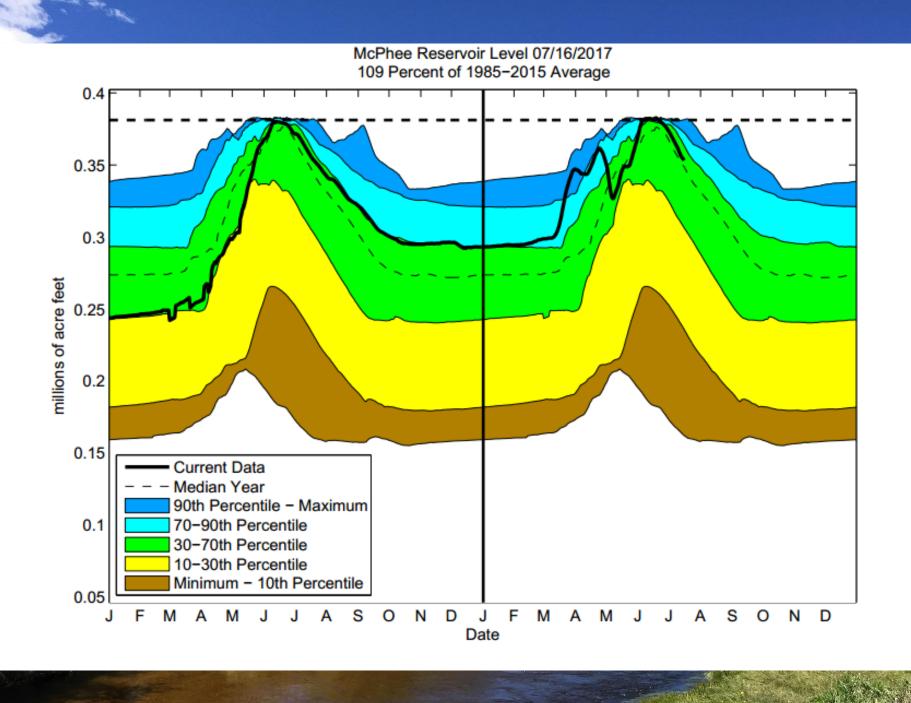
Reservoir Levels

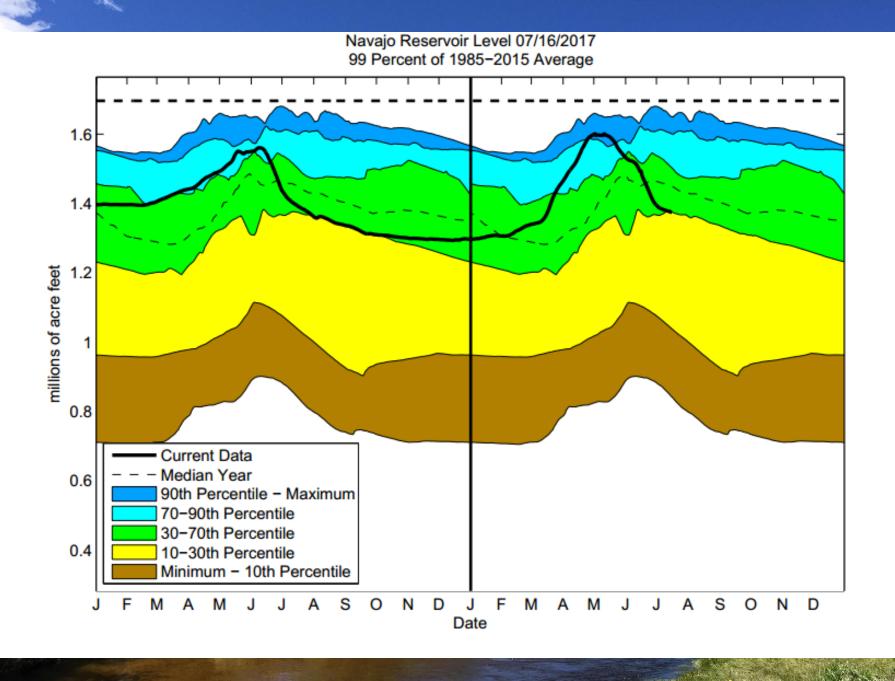
Flaming Gorge Reservoir Level 07/16/2017 108 Percent of 1985–2015 Average

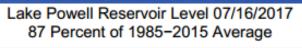


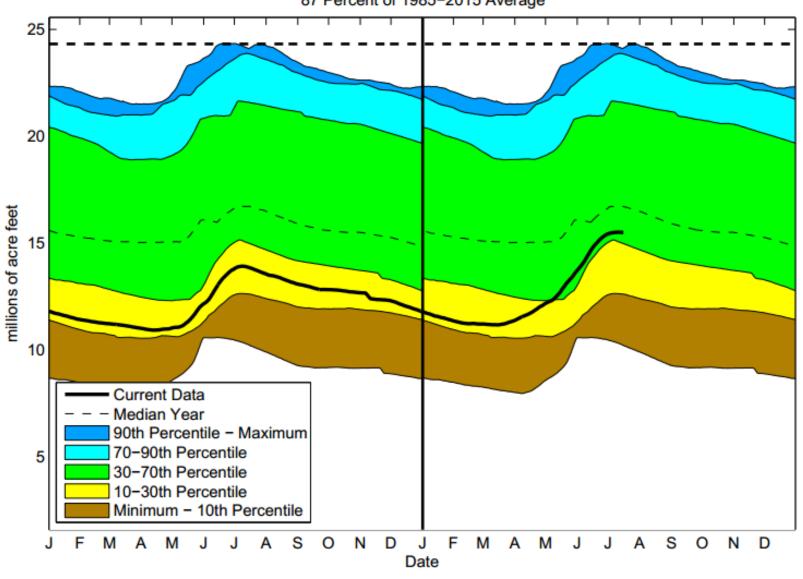












Colorado Climate Center

Data and Power Point Presentations available for downloading

http://ccc.atmos.colostate.edu/droughtpresentations.php

