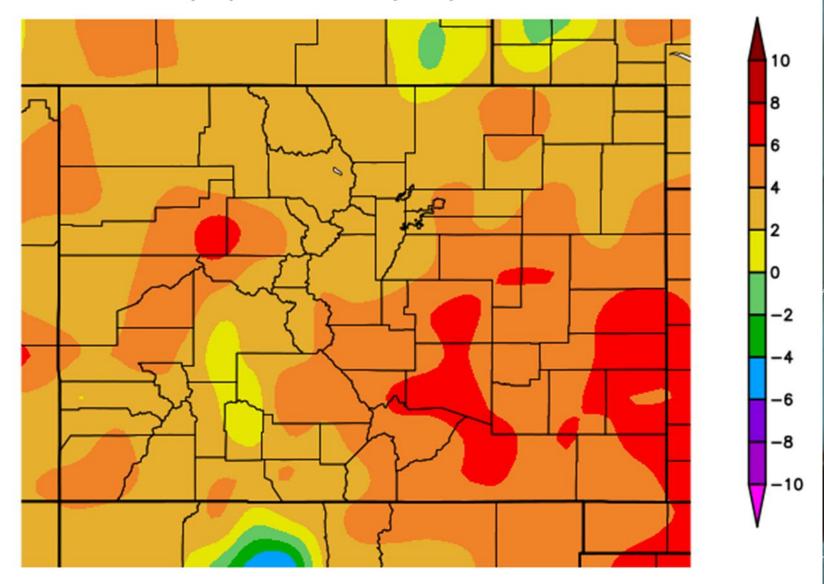


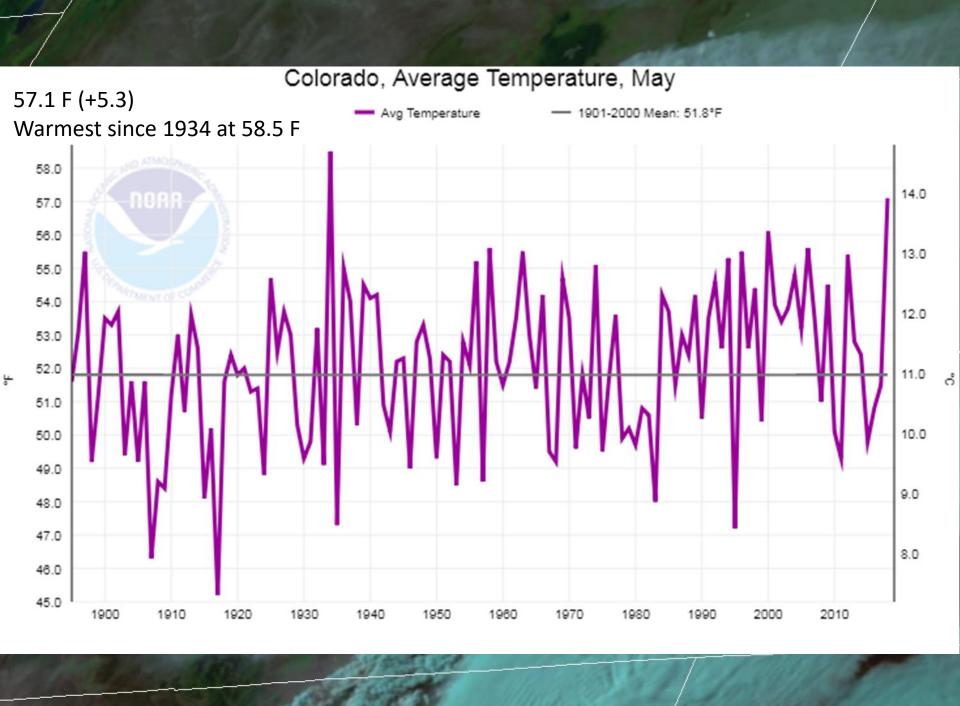


Climate Update

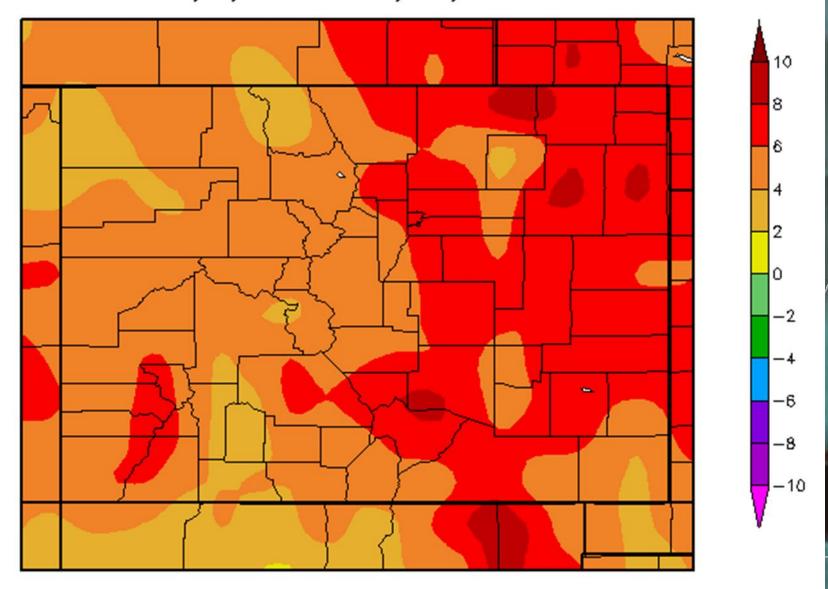
Peter Goble
Colorado Climate Center
Water Availability Task Force
June 14, 2018

Departure from Normal Temperature (F) 5/1/2018 - 5/31/2018

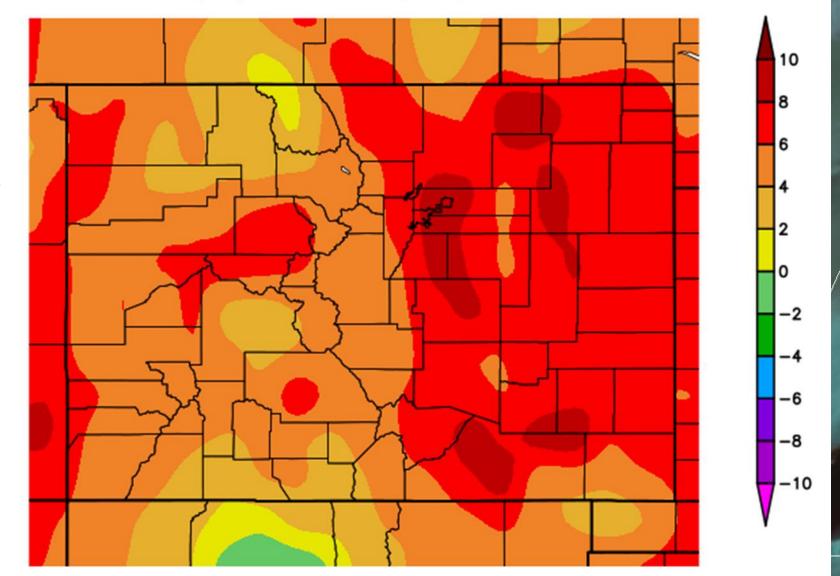




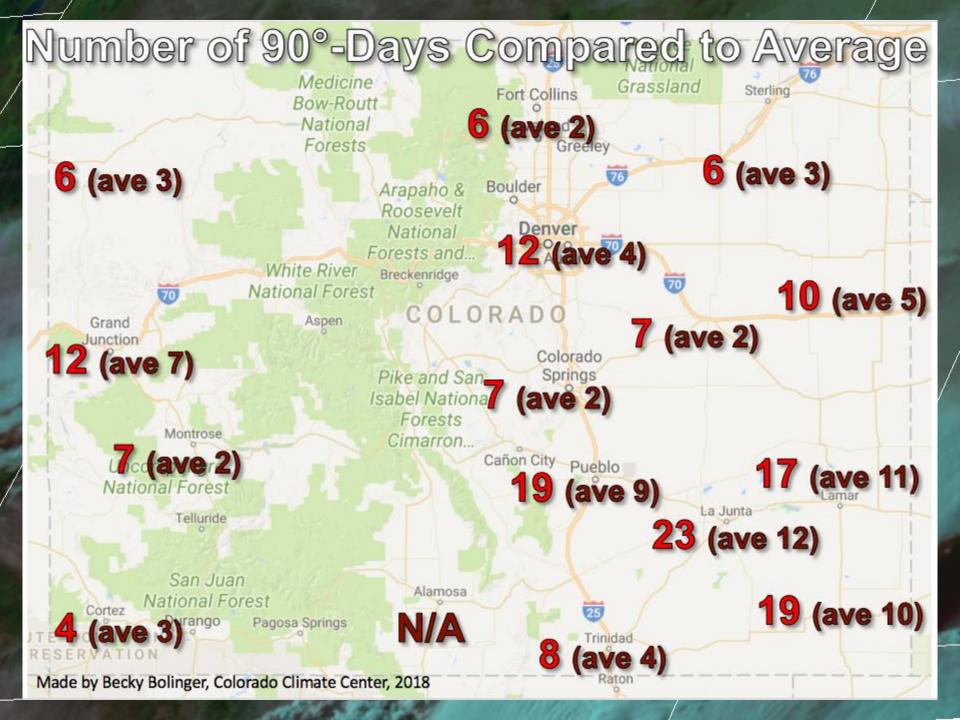
Departure from Normal Temperature (F) 6/1/2012 - 6/30/2012

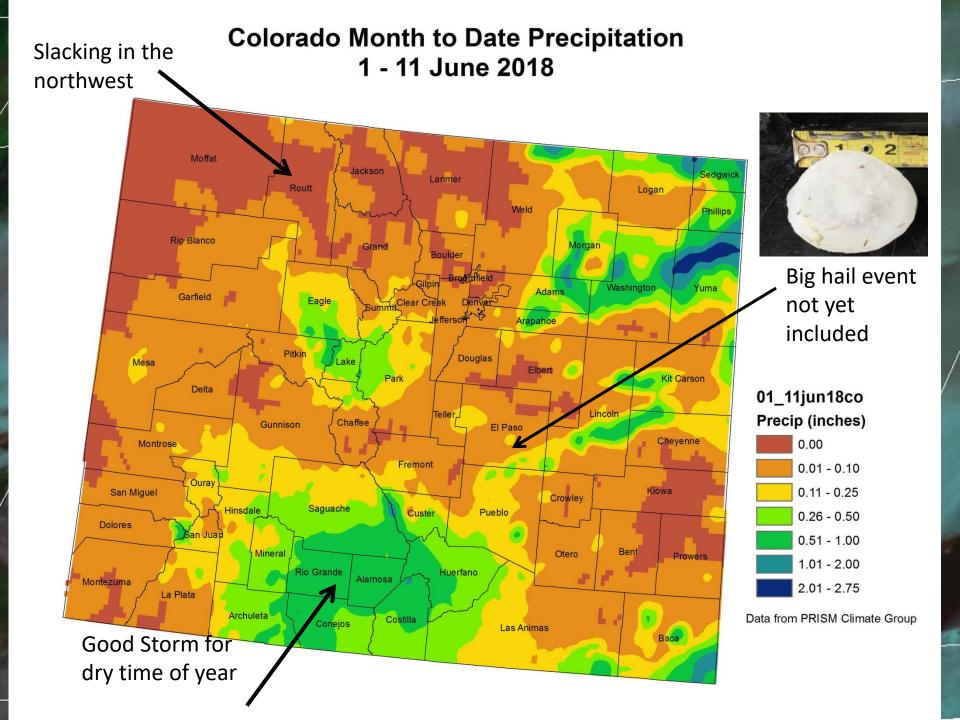


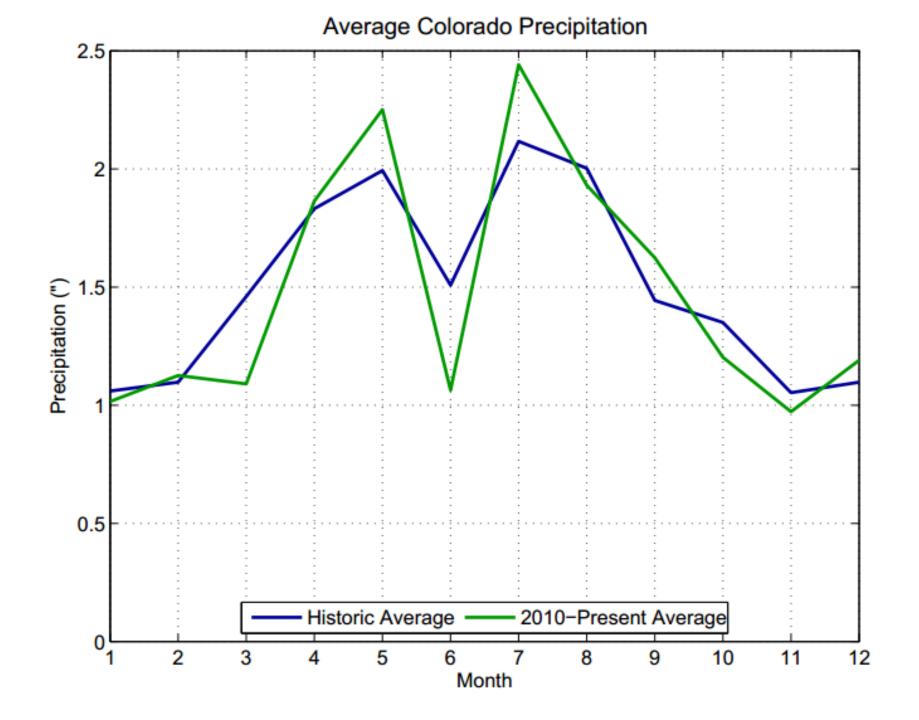
Departure from Normal Temperature (F) 6/1/2018 - 6/12/2018

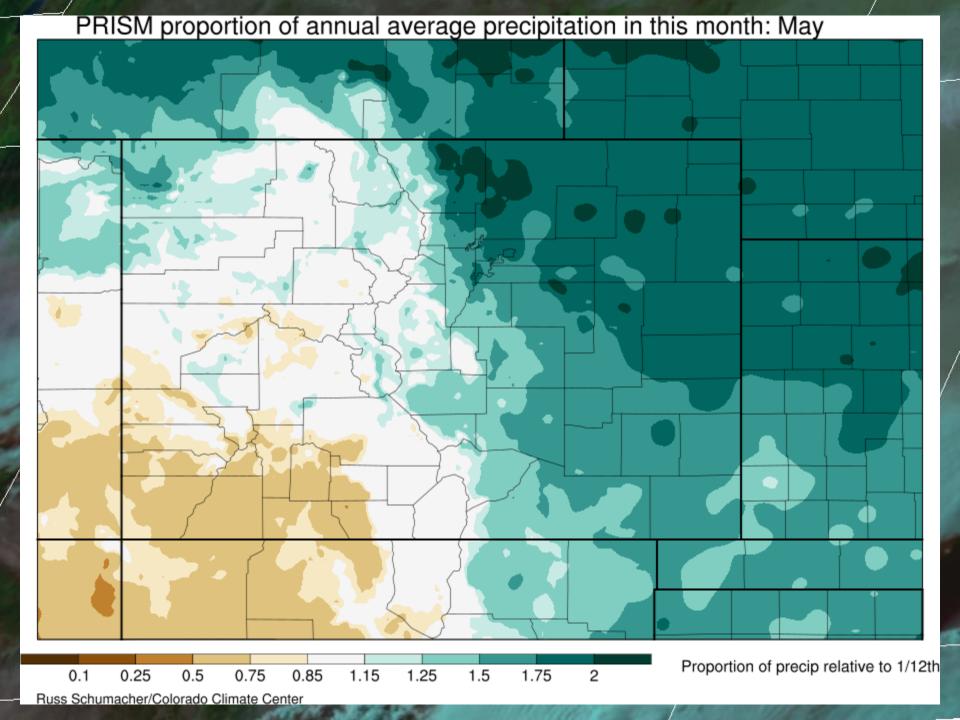


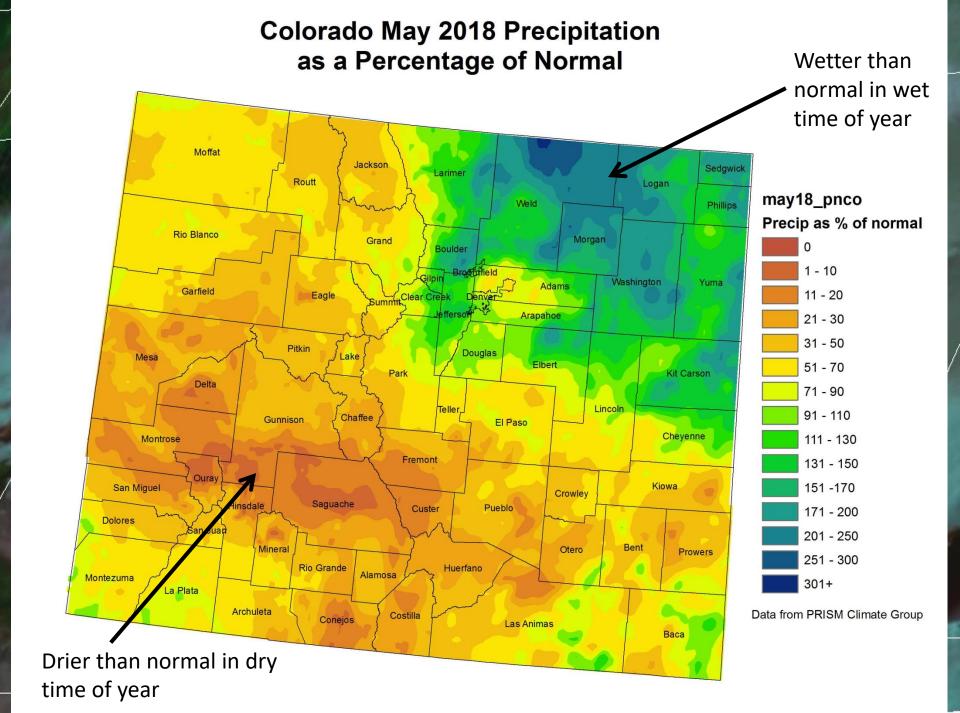
Take that, 2012!

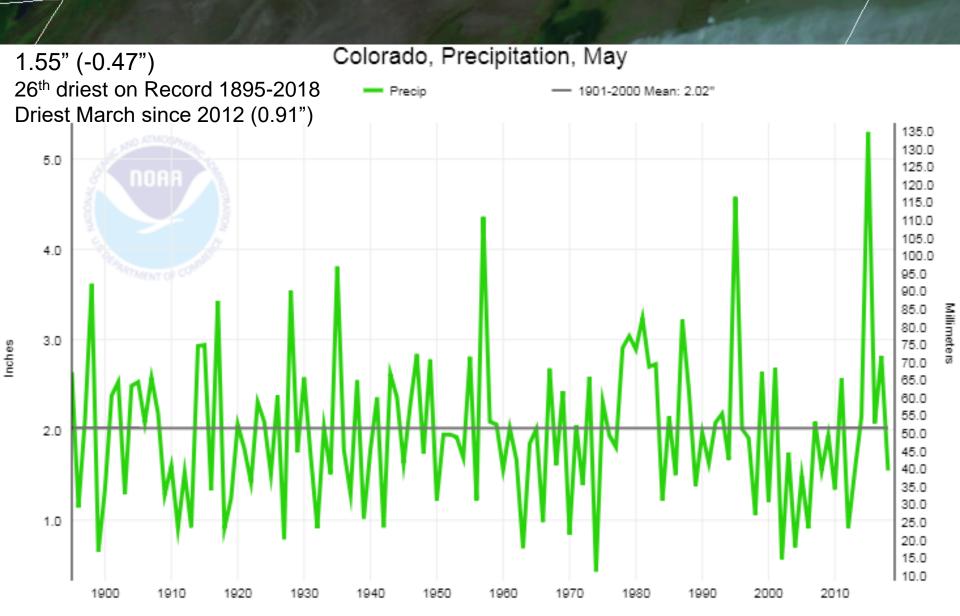




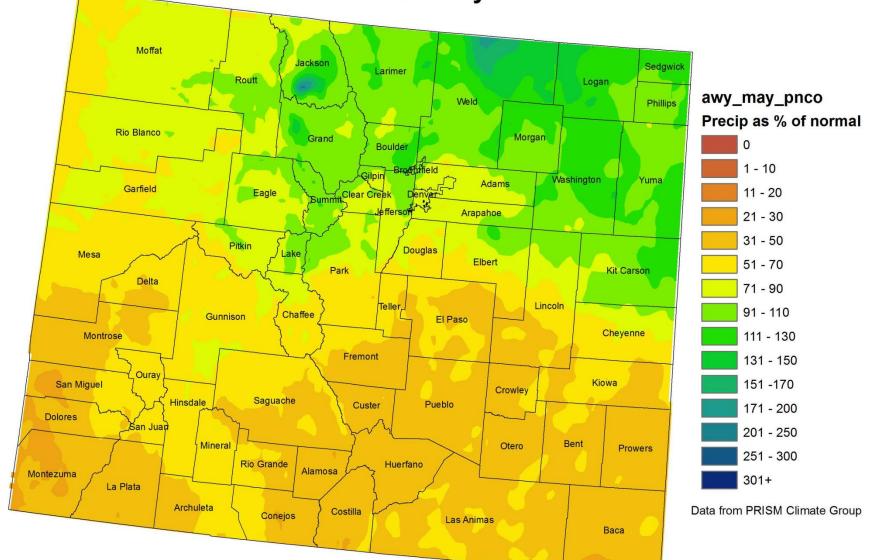




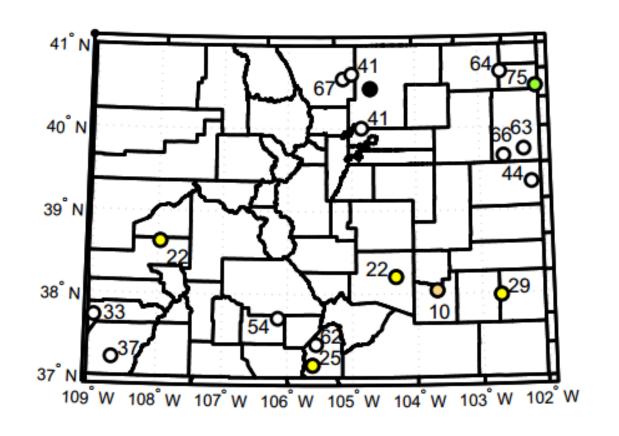




Colorado Water Year 2018 Precipitation as a Percentage of Normal October 2017 - May 2018

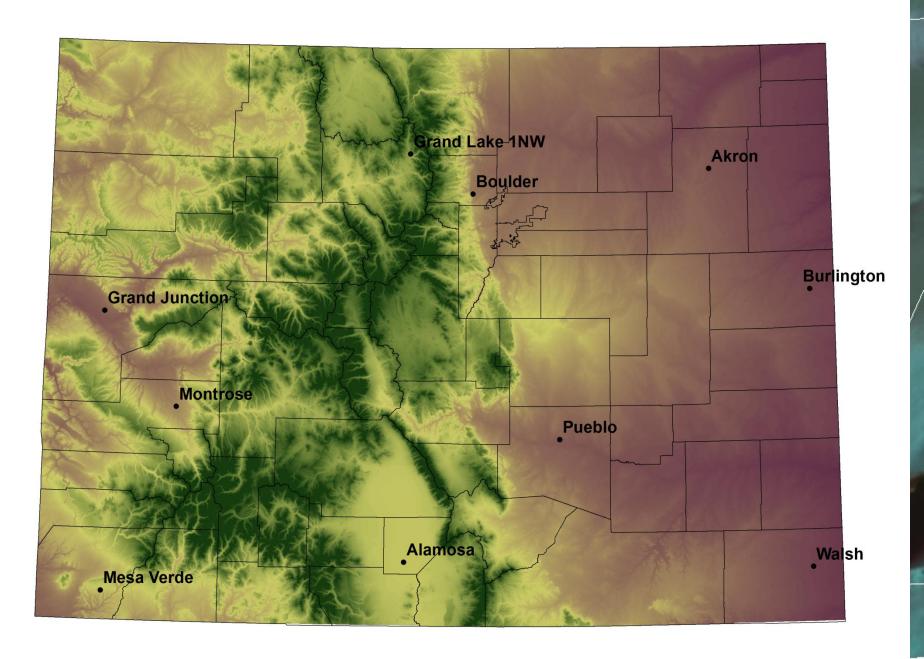


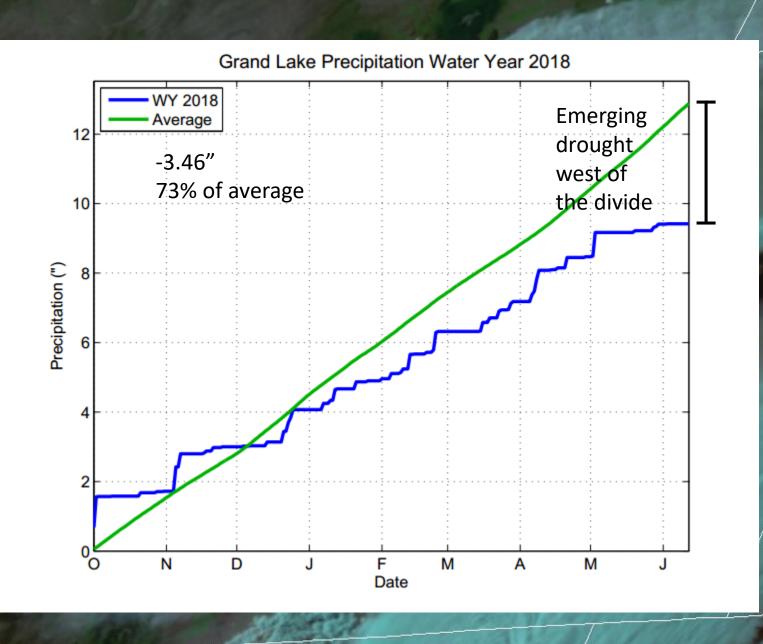
Growing Season Water Balance (P/PET) Percentiles June 11, 2018

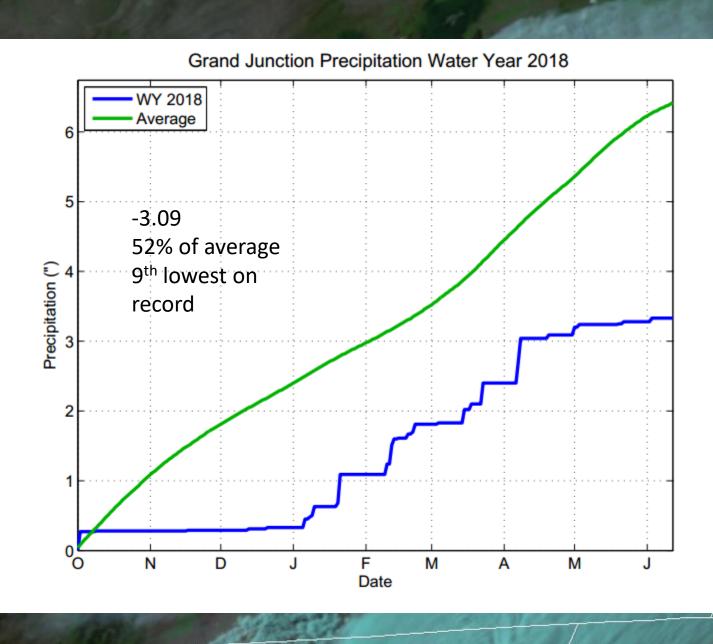


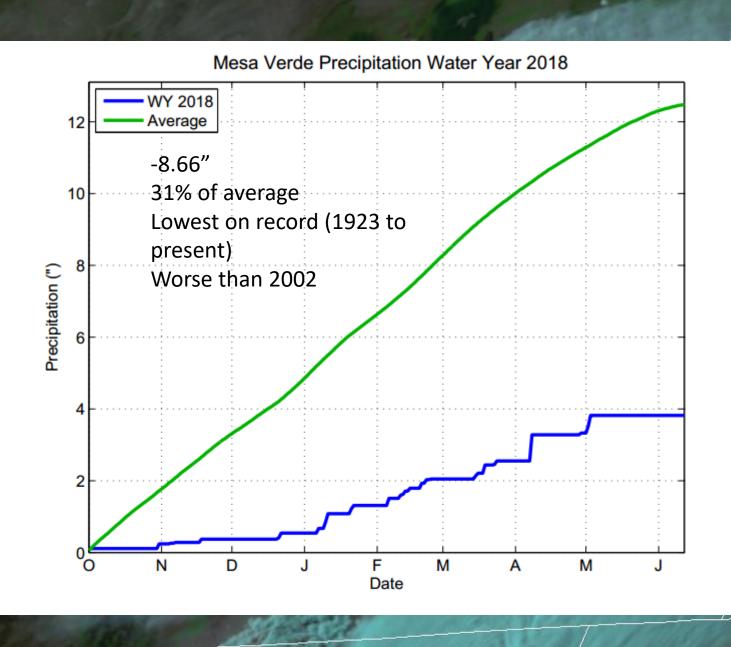
- 98<
- 95-98
- 90-95
- 80-90
- 70-80
- o 30-70
- 20-30
- 0 10-20
- 5-10
- 2-5
- <2

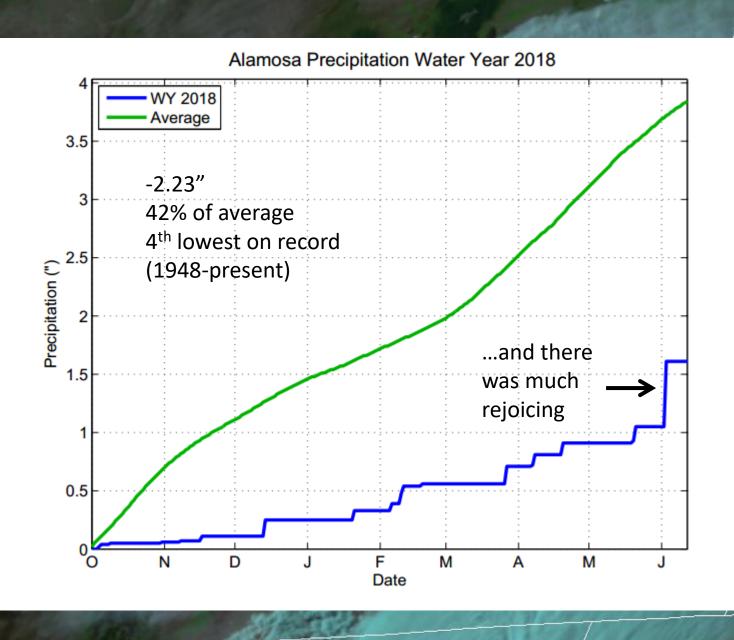
NWS Cooperative Stations for WATF

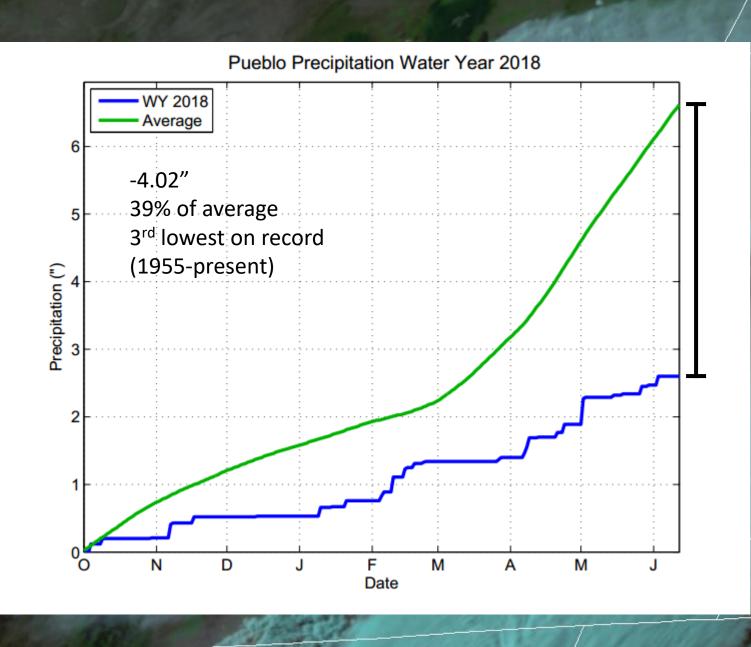


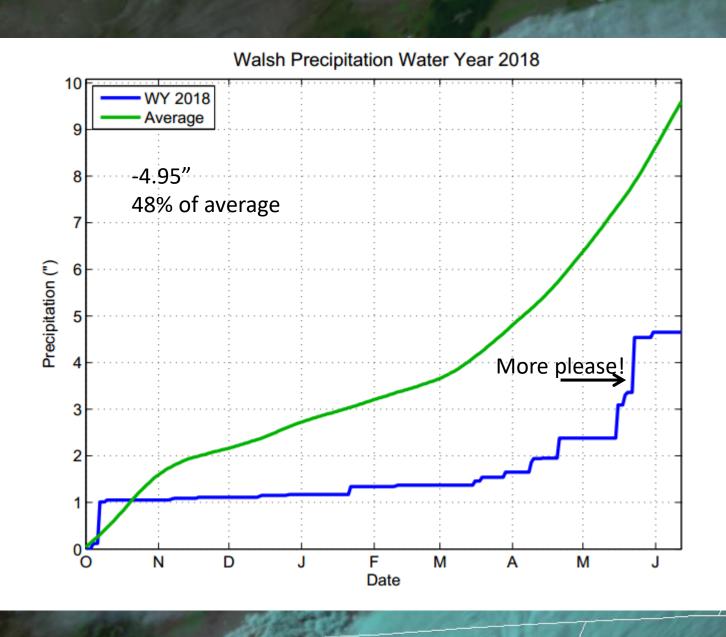


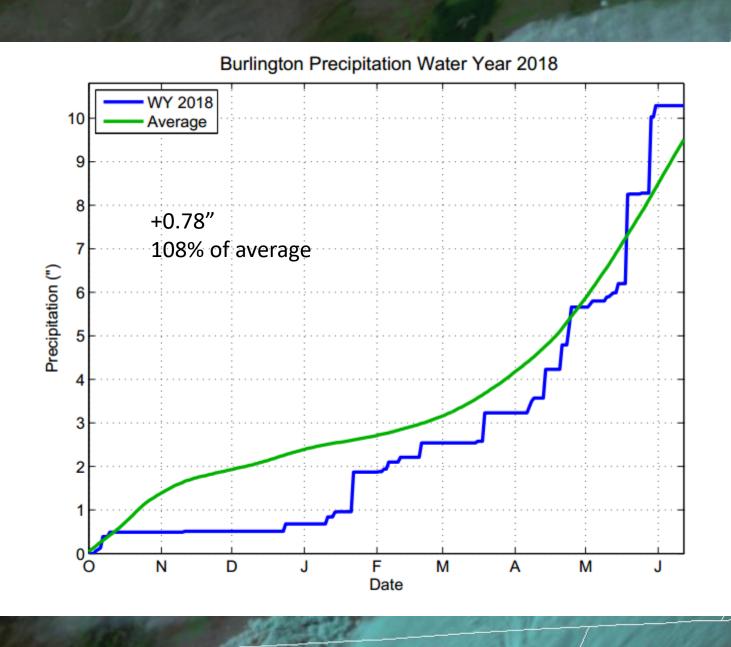


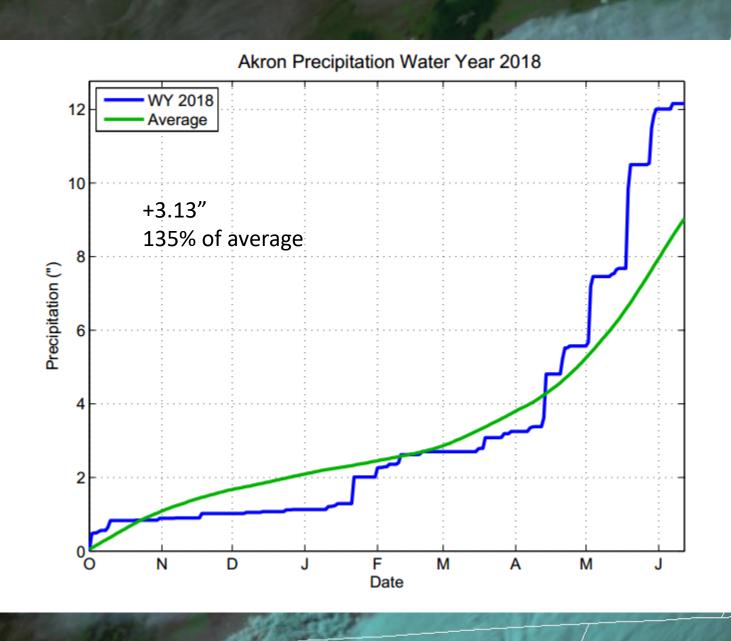


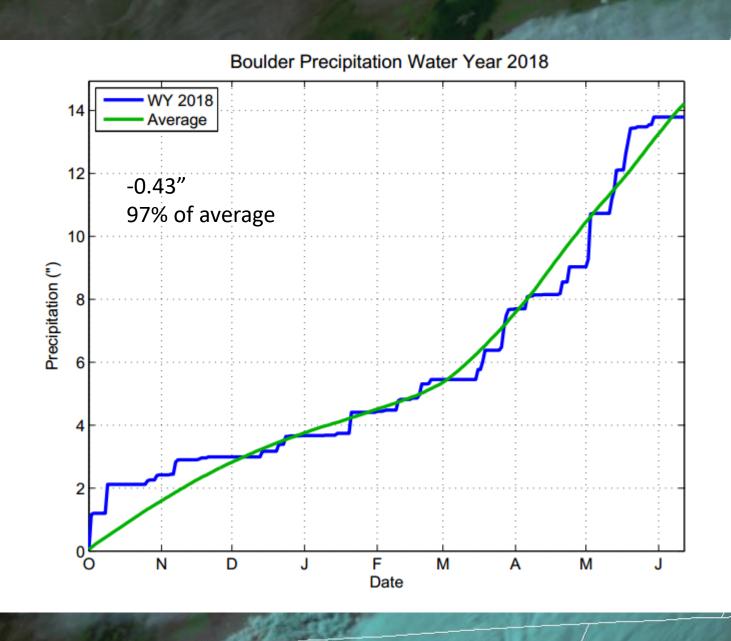


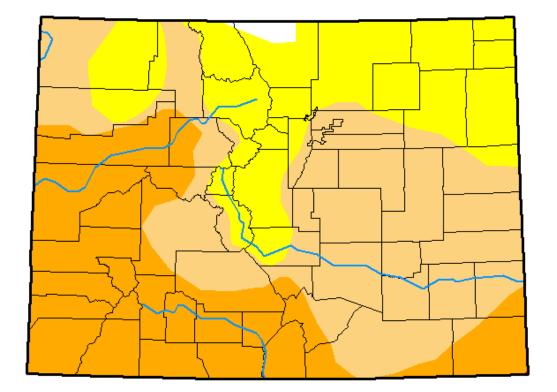












February 6, 2018

(Released Thursday, Feb. 8, 2018) Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.59	99.41	71.90	31.82	0.00	0.00
Last Week 01-30-2018	0.59	99.41	75.90	29.21	0.00	0.00
3 Month's Ago 11-07-2017	71.26	28.74	1.22	0.00	0.00	0.00
Start of Calendar Year 01-02-2018	6.57	93.43	33.53	7.27	0.00	0.00
Start of Water Year 09-26-2017	67.63	32.37	3.72	0.00	0.00	0.00
One Year Ago 02-07-2017	47.49	52.51	35.34	0.75	0.00	0.00

Intensity:

D0 Abnormally Dry
D3 Extreme Drought
D1 Moderate Drought
D4 Exceptional Drought

D2 Severe Drought

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

Author:

Eric Luebehusen
U.S. Department of Agriculture









March 6, 2018

(Released Thursday, Mar. 8, 2018)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

_	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	10.16	89.84	70.89	45.80	9.28	0.00
Last Week 02-27-2018	10.16	89.84	70.89	33.51	7.62	0.00
3 Month's Ago 12-05-2017	66.96	33.04	15.99	0.00	0.00	0.00
Start of Calendar Year 01-02-2018	6.57	93.43	33.53	7.27	0.00	0.00
Start of Water Year 09-26-2017	67.63	32.37	3.72	0.00	0.00	0.00
One Year Ago 03-07-2017	48.04	51.96	37.11	1.98	0.20	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:

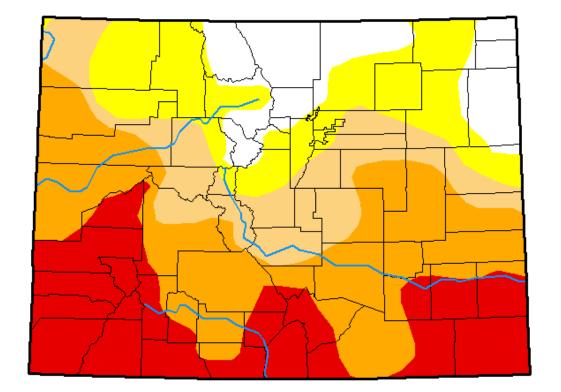
Richard Tinker CPC/NOAA/NWS/NCEP











April 10, 2018

(Released Thursday, Apr. 12, 2018)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	12.38	87.62	69.43	53.65	24.31	0.00
Last Week 04-03-2018	9.65	90.35	73.67	51.56	23.63	0.00
3 Month's Ago 01-09-2018	0.59	99.41	75.90	22.02	0.00	0.00
Start of Calendar Year 01-02-2018	6.57	93.43	33.53	7.27	0.00	0.00
Start of Water Year 09-26-2017	67.63	32.37	3.72	0.00	0.00	0.00
One Year Ago 04-11-2017	51.89	48.11	19.46	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:

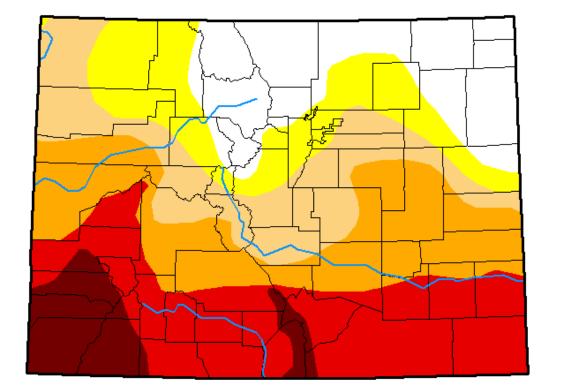
David Miskus NOAA/NWS/NCEP/CPC











May 8, 2018

(Released Thursday, May. 10, 2018) Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Сиггепт	18.02	81.98	67.98	51.57	30.89	7.40
Last Week 05-01-2018	18.47	81.53	67.98	53.65	30.89	5.02
3 Months Ago 02-06-2018	0.59	99.41	71.90	31.82	0.00	0.00
Start of Calendar Year 01-02-2018	6.57	93.43	33.53	7.27	0.00	0.00
Start of Water Year 09-26-2017	67.63	32.37	3.72	0.00	0.00	0.00
One Year Ago 05-09-2017	87.62	12.38	2.19	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:

David Simeral Western Regional Climate Center









http://droughtmonitor.unl.edu/

June 5, 2018

(Released Thursday, Jun. 7, 2018) Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	24.69	75.31	63.91	50.80	35.13	7.79
Last Week 05-29-2018	24.68	75.32	63.92	50.55	33.67	7.79
3 Month's Ago 03-06-2018	10.16	89.84	70.89	45.80	9.28	0.00
Start of Calendar Year 01-02-2018	6.57	93.43	33.53	7.27	0.00	0.00
Start of Water Year 09-26-2017	67.63	32.37	3.72	0.00	0.00	0.00
One Year Ago 06-06-2017	93.84	6.16	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:

Anthony Artusa NOAA/NWS/NCEP/CPC

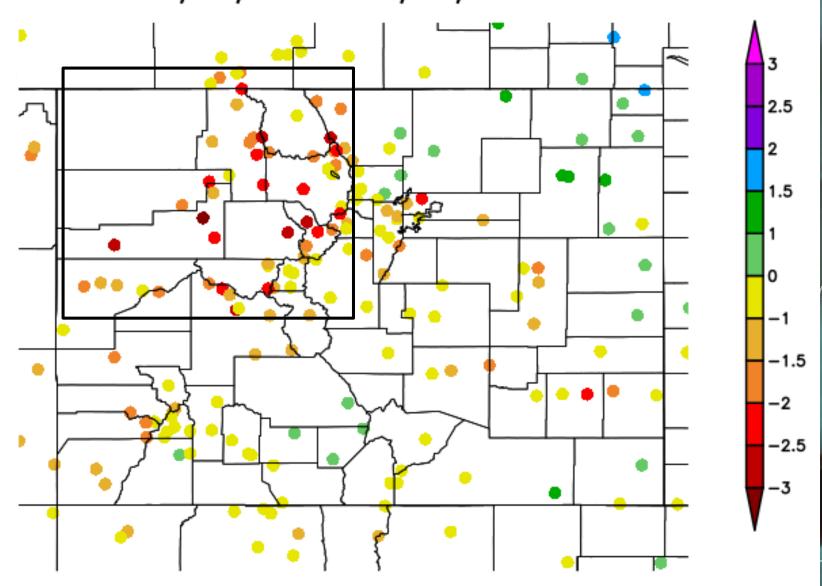


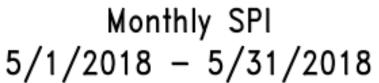


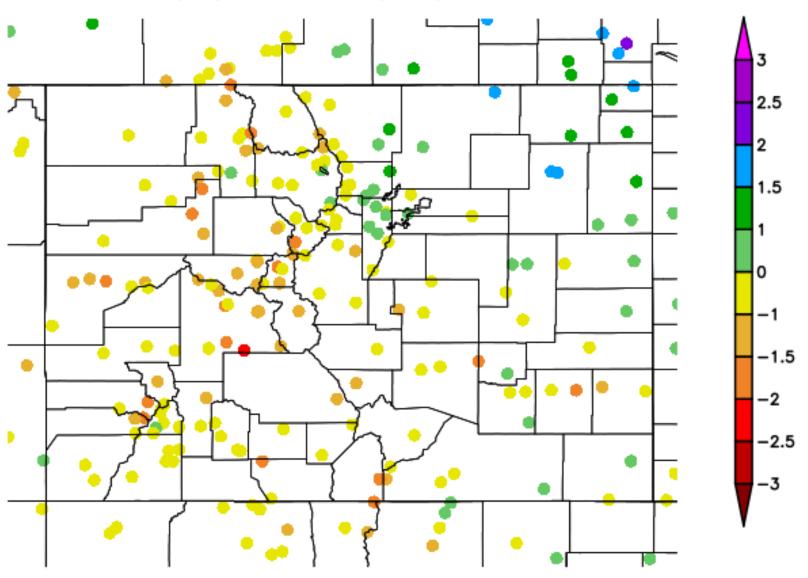




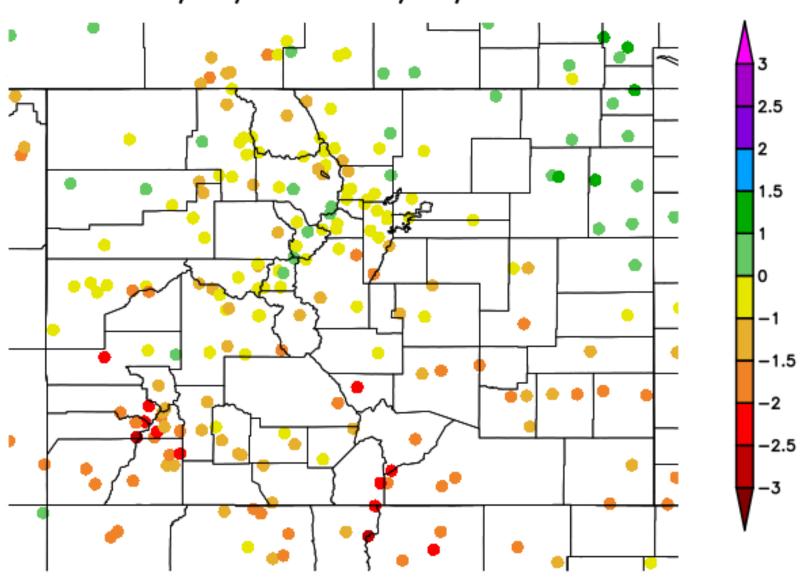
30 Day SPI 5/13/2018 - 6/11/2018



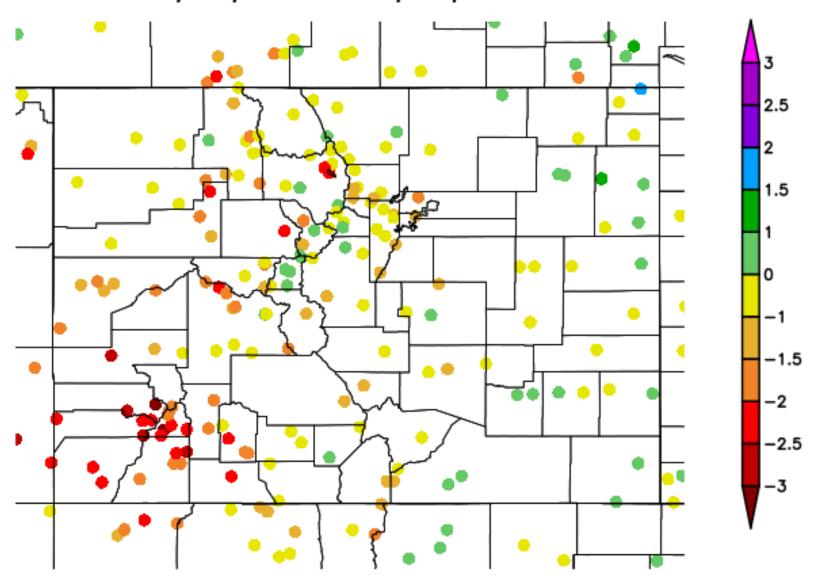




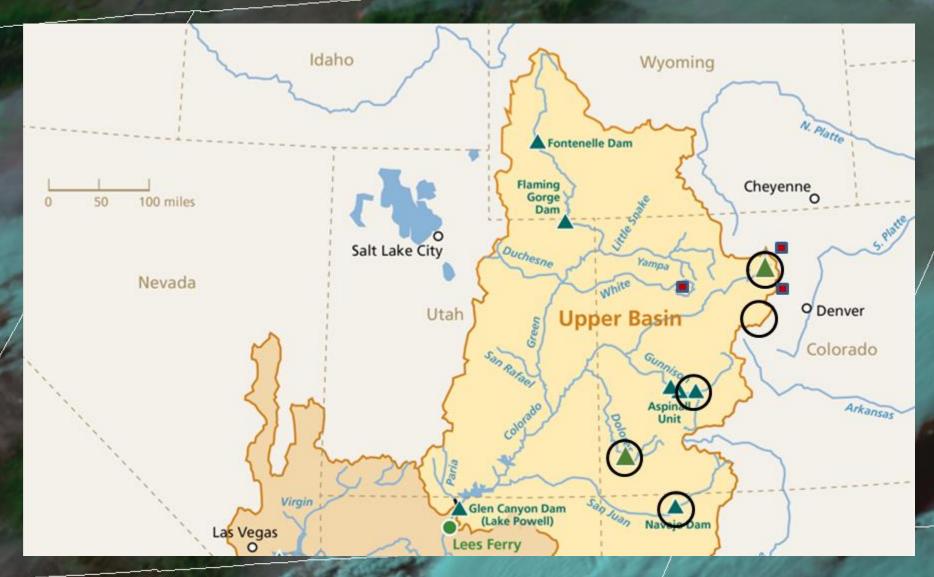
6 Month SPI 12/12/2017 - 6/11/2018



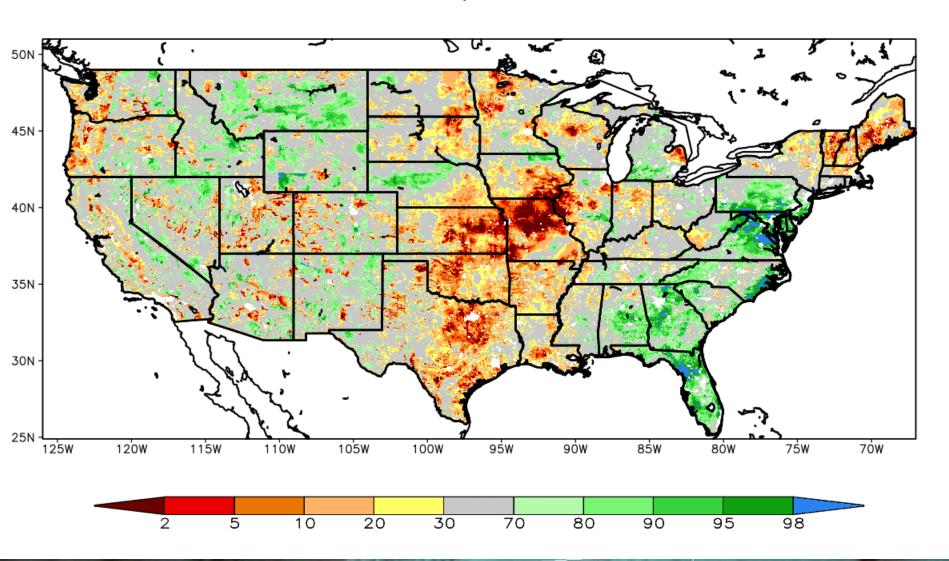
12 Month SPI 6/12/2017 - 6/11/2018



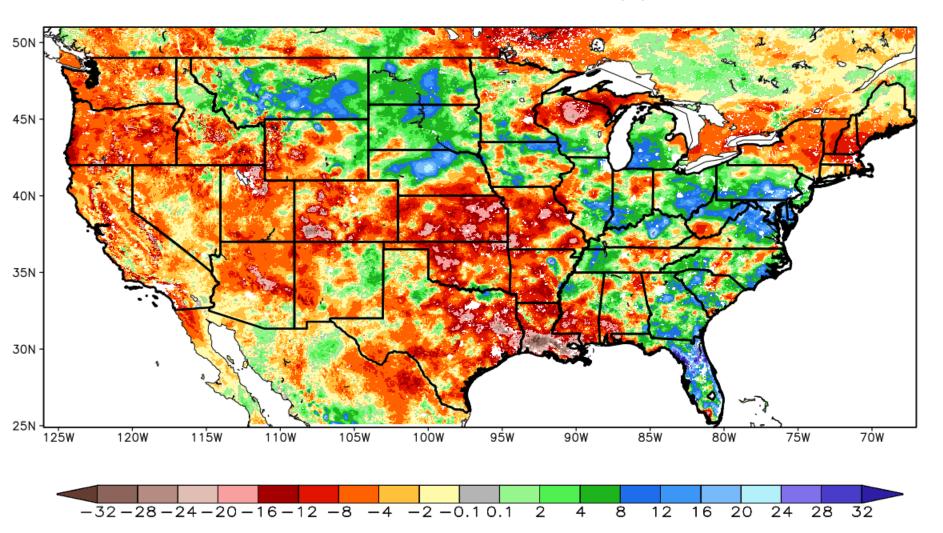
Reservoir and Soils Update

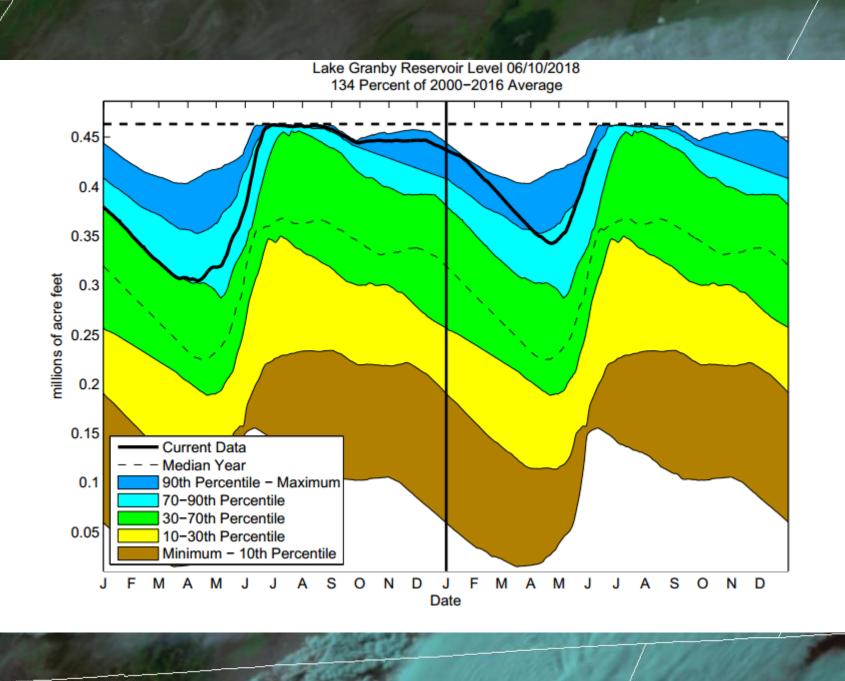


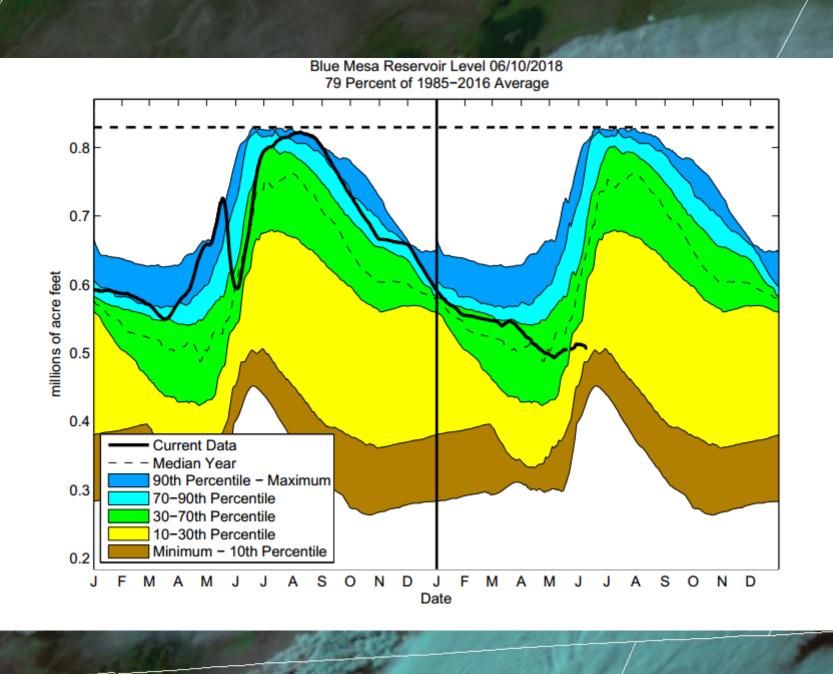
SPoRT-LIS 0-2 m RSM percentile valid 12 Jun 2018

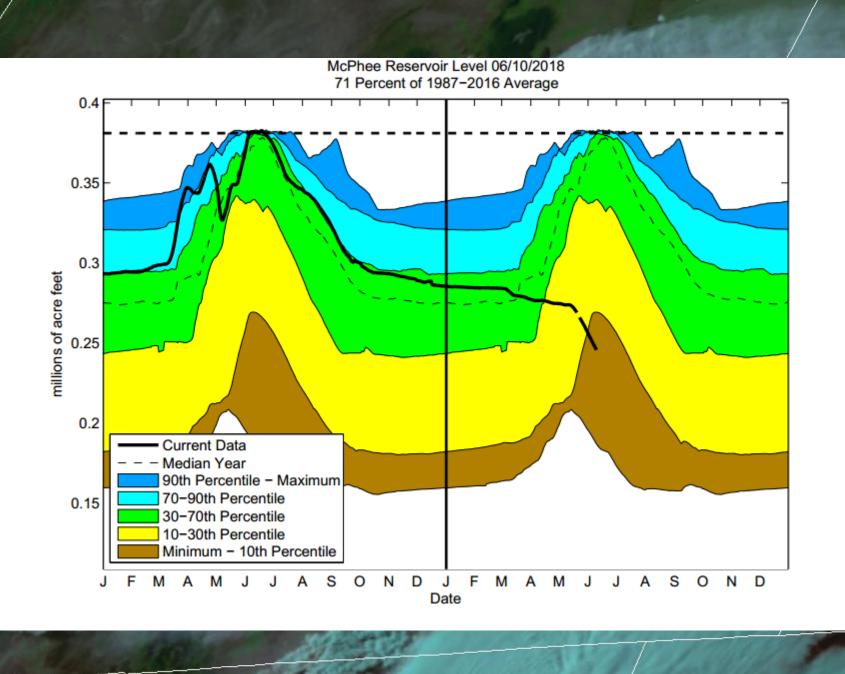


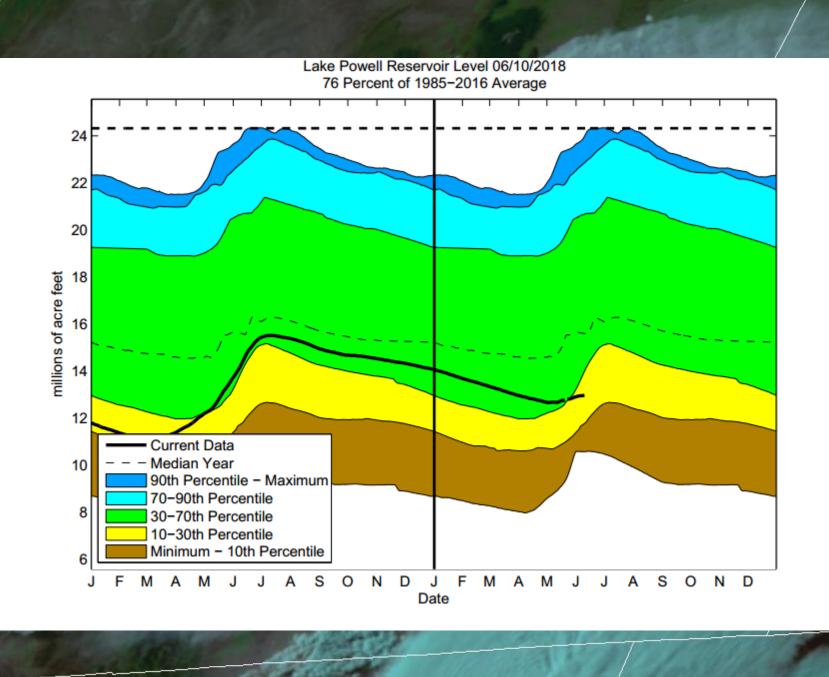
1—Year Difference in Column Relative Soil Moisture (%) valid 12z 12 Jun 2018



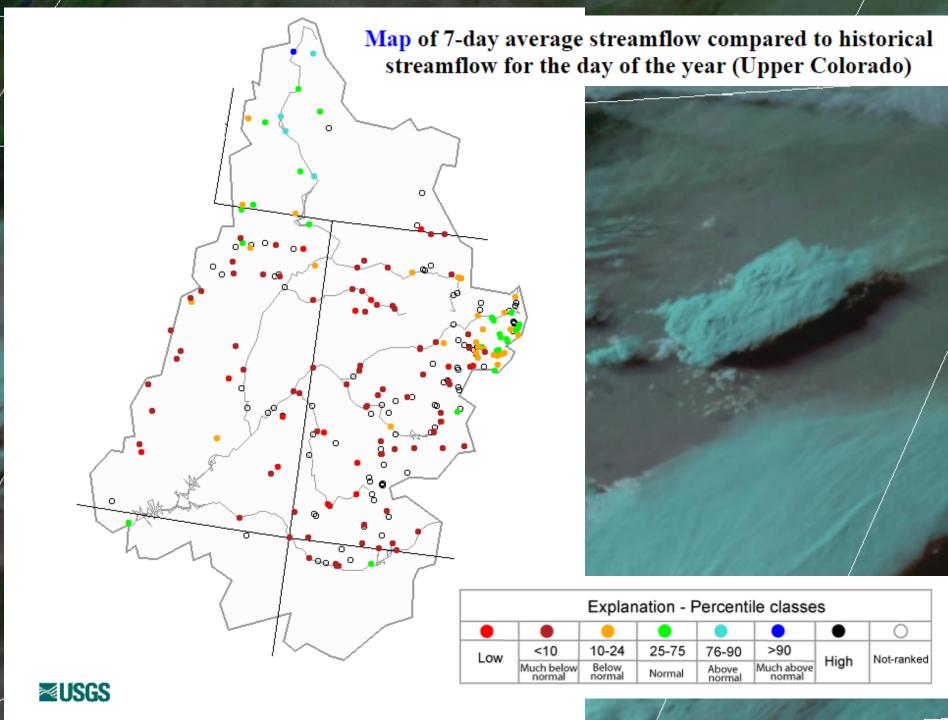








•	Inflow	Outflow	Elevation	Storage	Change	Full Elev.	Capacity	
	(cfs)	(cfs)	(feet)	(ac-ft)	(ac-ft)	(feet)	(ac-ft)	
South Platte S	System	1:						
Antero	8	31	8,941.88	19,859	-46	8,942	19,881	
Eleven Mile	35	53	8,597.38	99,075	-34	8,597	97,779	
Cheesman	132	77	6,837.85	75,565	110	6,842	79,064	
Strontia Springs	506	133	5,991.80	6,856	-98	6,002	7,863	
Chatfield	74	14	5,431.95	26,993	14	5,432	27,076	
Marston	65	124	5,532.03	15,324	-151	5,538	19,256	
Soda Lakes				1,604	-1		1,680	
Platte Canyon	0		5,530.50	768	0	5,533	910	
South Complex	0	0		3,366	-4		3,561	
Harriman			5,621.92	705	-8	5,623	762	
Moffat Systen	n:							
Gross	450	483	7,282.06	41,836	-66	7,282	41,811	
Ralston	2	2	6,034.95	8,997	242	6,046	10,776	
Upper Long Lake	0	0	6,079.01	1,016	0	6,088	1,519	
Lower Long Lake	0	0	5,895.08	10	0	5,908	268	
Western Slope:								
Dillon	699	516	9,017.37	258,513	-229	9,017	257,304	
Williams Fork	387	163	7,810.06	95,303	448	7,811	96,822	
Meadow Creek	30	30	9,995.28	5,419	0	9,995	5,370	
Total System:				661,208	176		671,70	
Non-system								
Wolford Mountain	81	91	7,489.28	66,290	-20	7,489	65,985	
Green Mountain	1008	72	7,933.88	121,817	1873	7,950	153,639	
Spinney Mountain	209	83		49,100	N/A		53,651	



Colorado Climate Center

Thanks, and let's keep in touch!

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Russ Schumacher – State Climatologist - russ.schumacher@colostate.edu
Becky Bolinger – Assistant State Climatologist - becky.bolinger@colostate.edu
Zach Schwalbe – CoAgMET Manager - zach.schwalbe@colostate.edu

Data and Power Point Presentations available for downloading http://climate.colostate.edu/pubs.html



