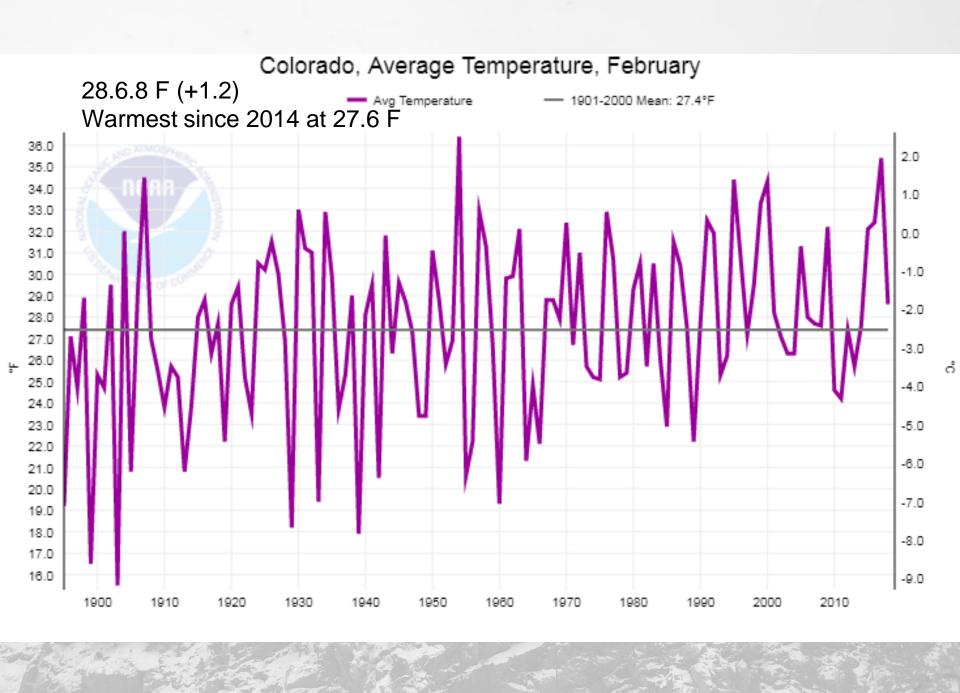


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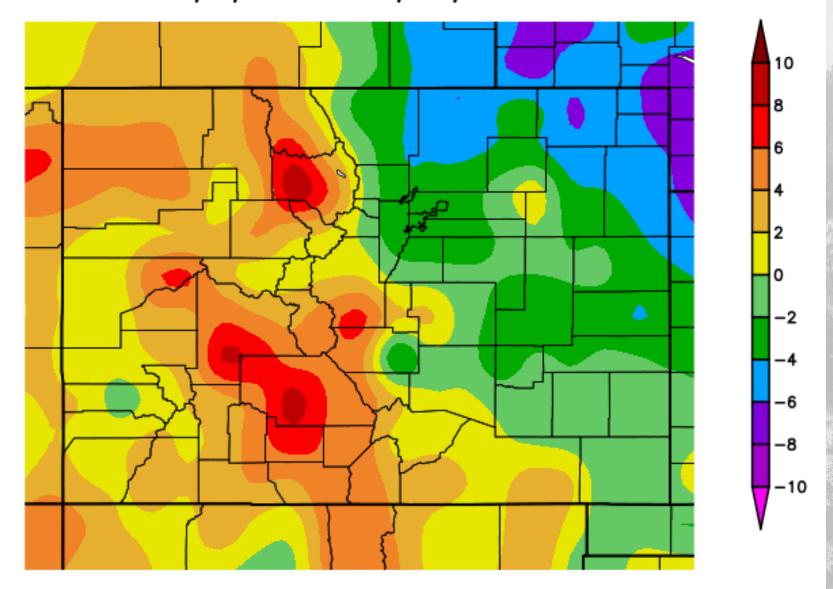


Peter Goble Colorado Climate Center

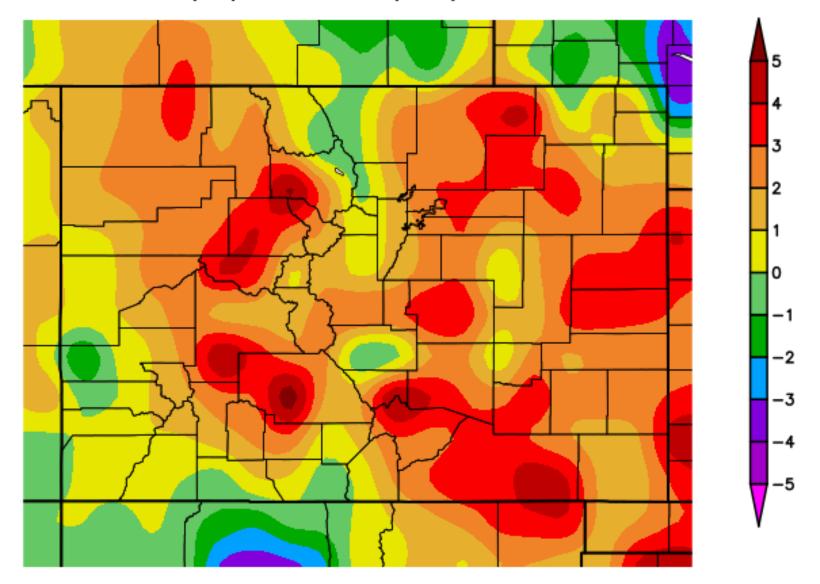
Presented to **Water Availability Task Force** March 23, 2018 Denver, CO

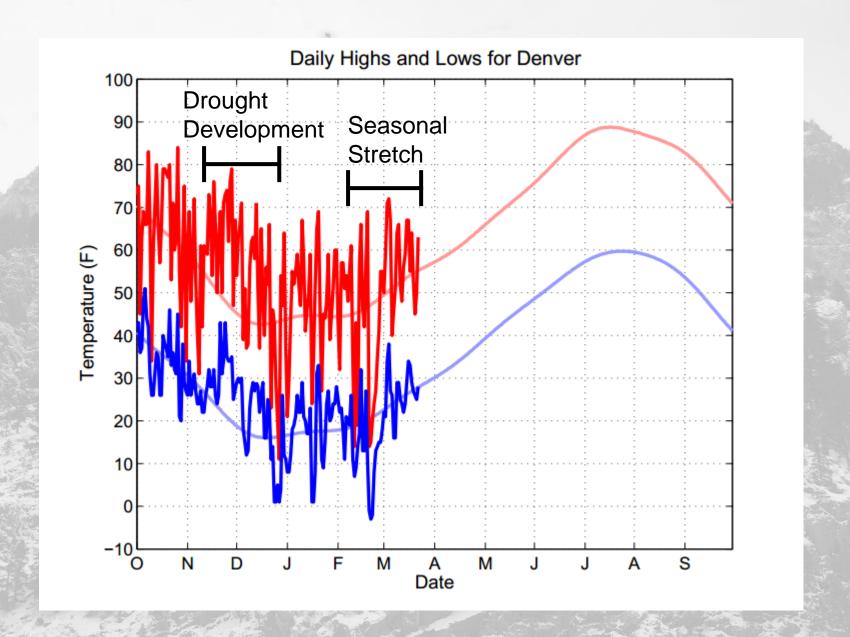


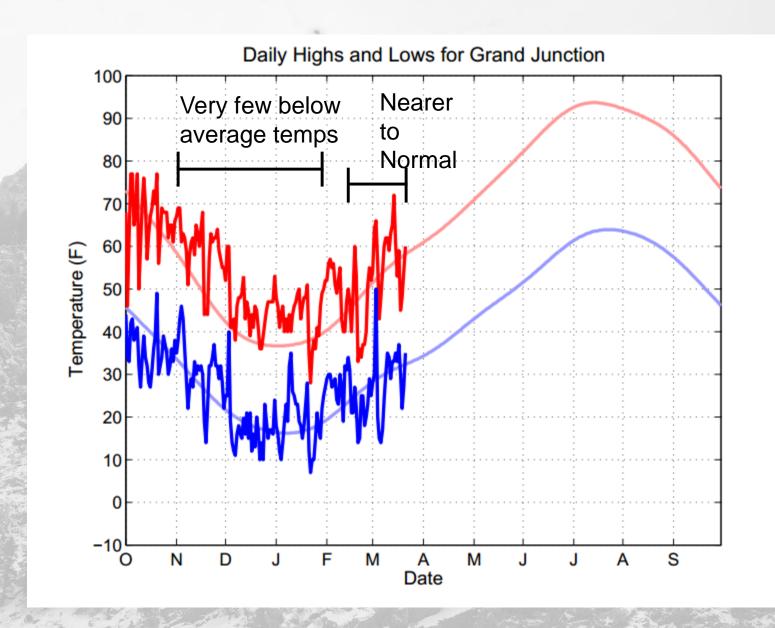
Departure from Normal Temperature (F) 2/1/2018 - 2/28/2018



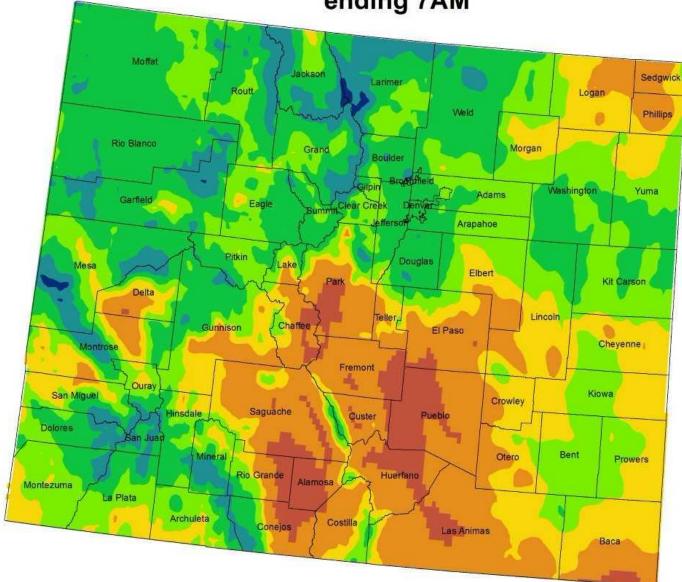
Departure from Normal Temperature (F) 3/1/2018 - 3/21/2018



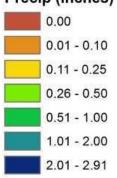




Colorado Month to Date Precipitation 1 - 20 March 2018 ending 7AM

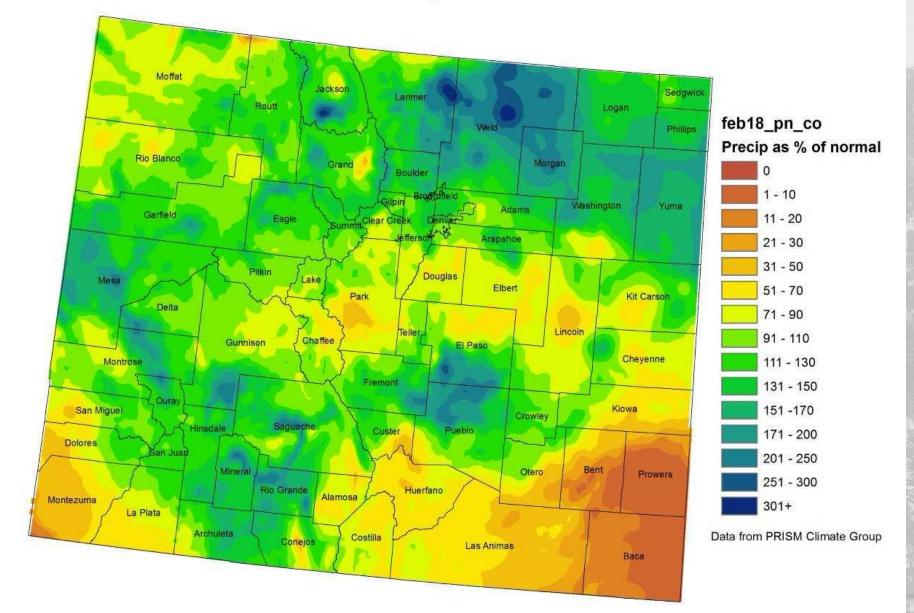


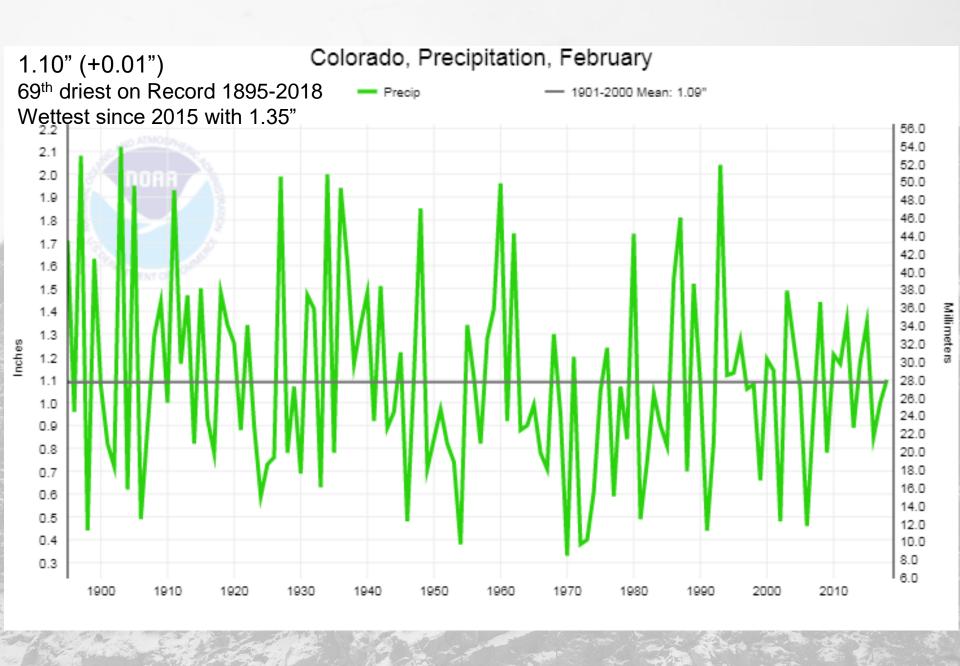
01_20mar18_co Precip (inches)



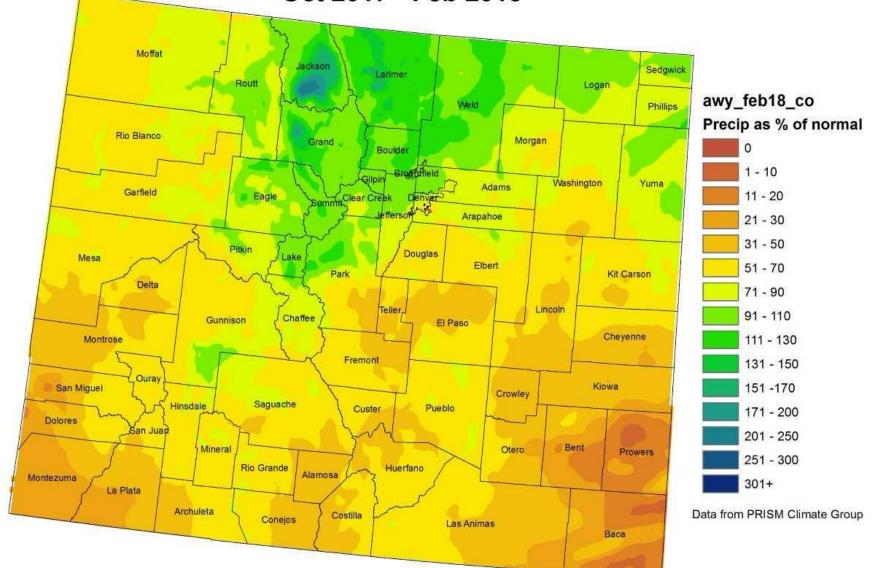
Data from PRISM Climate Group

Colorado February 2018 Precipitation as a Percentage of Normal

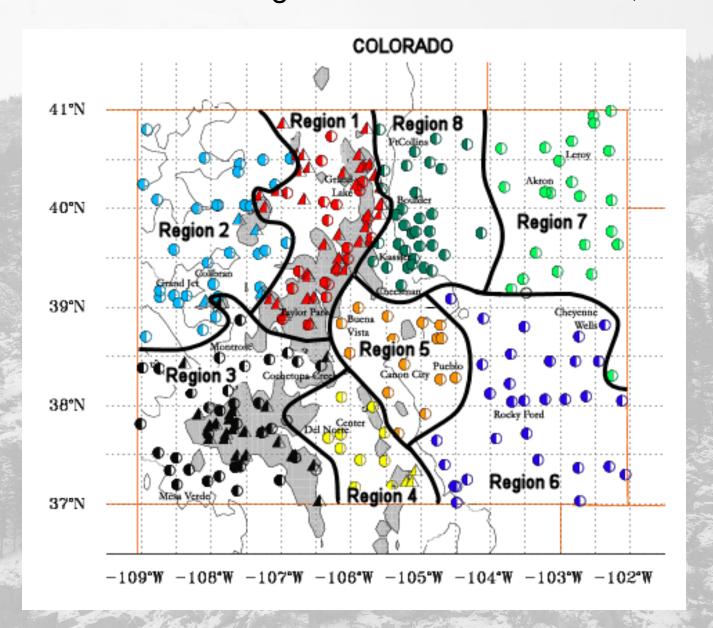




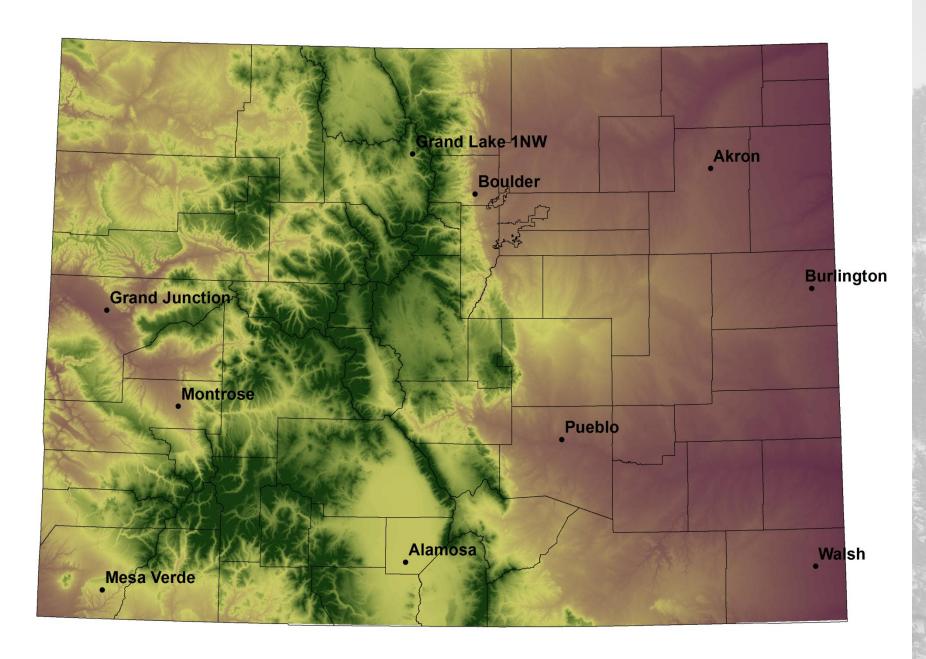
Colorado Water Year 2018 Precipitation as a Percentage of Normal Oct 2017 - Feb 2018

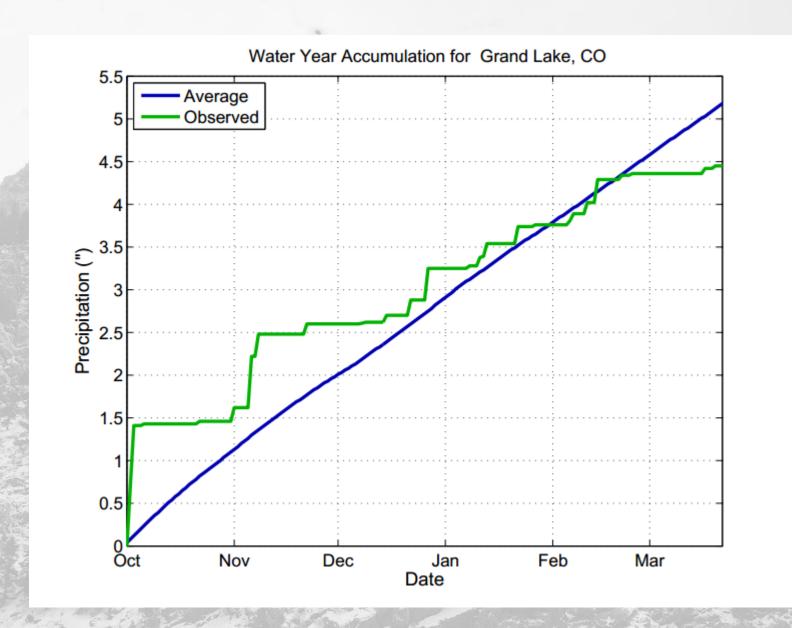


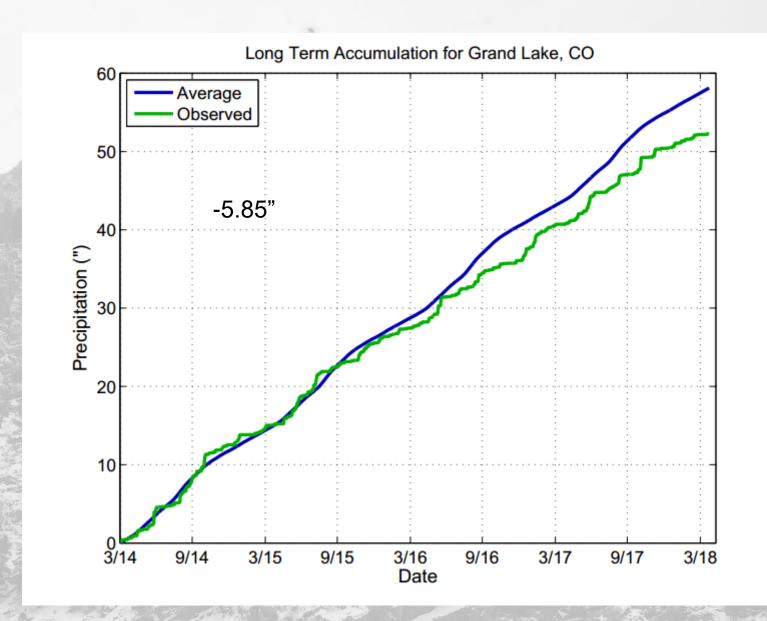
Climate divisions defined by Dr. Klaus Wolter of NOAA's Climate Diagnostic Center in Boulder, CO

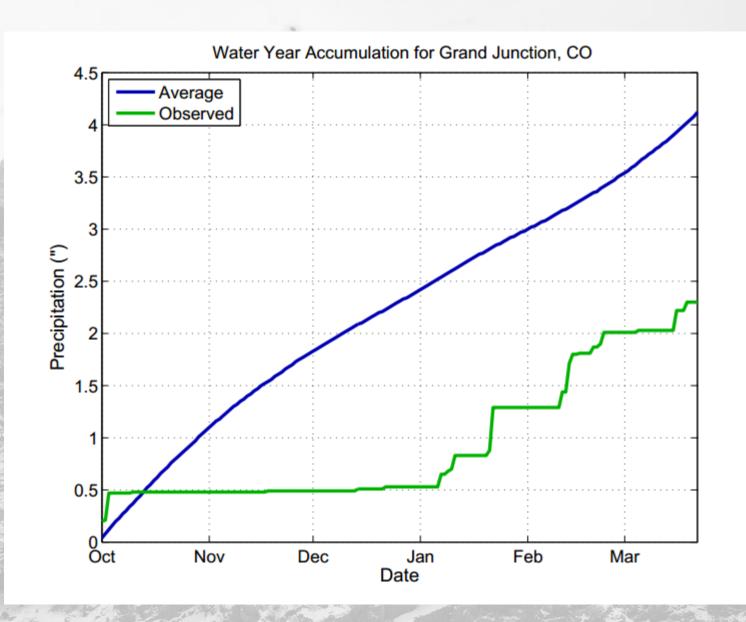


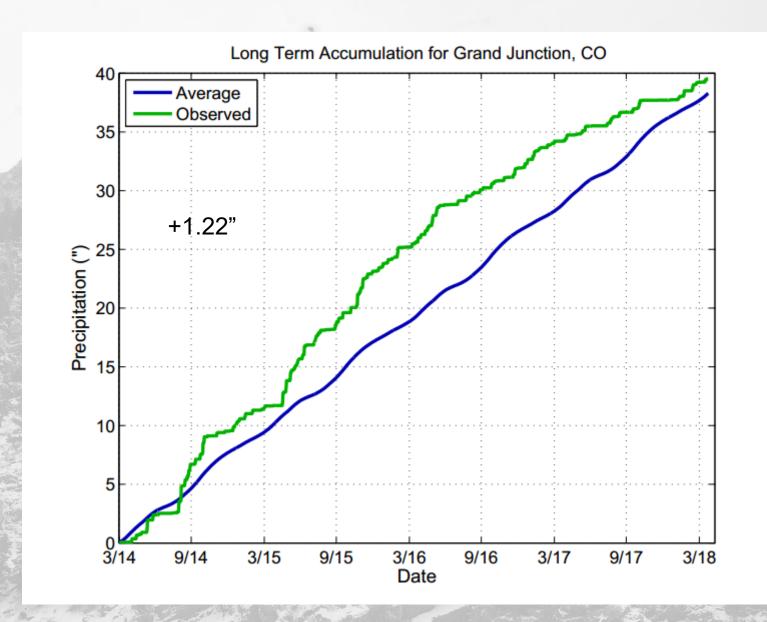
NWS Cooperative Stations for WATF

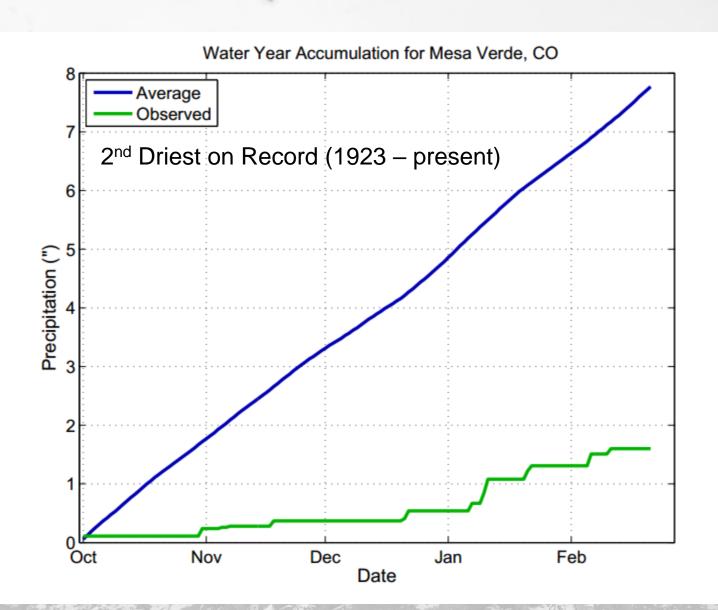


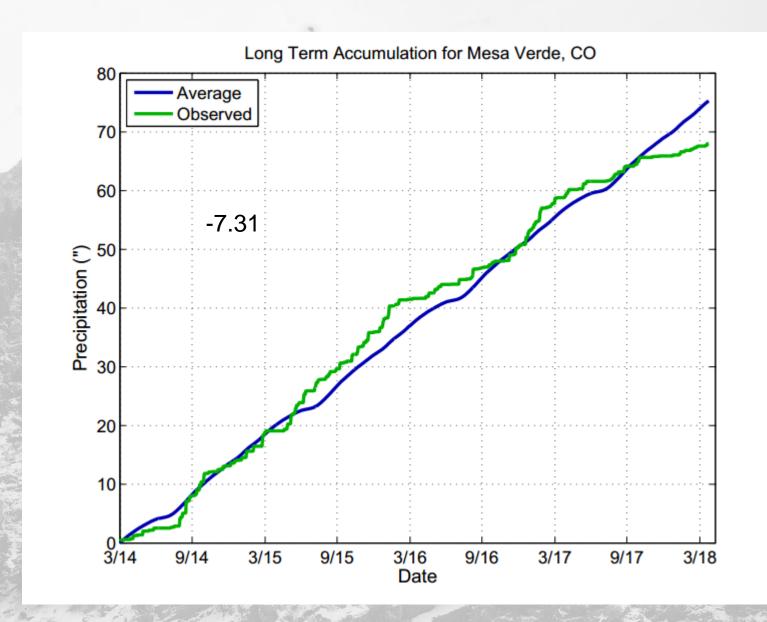


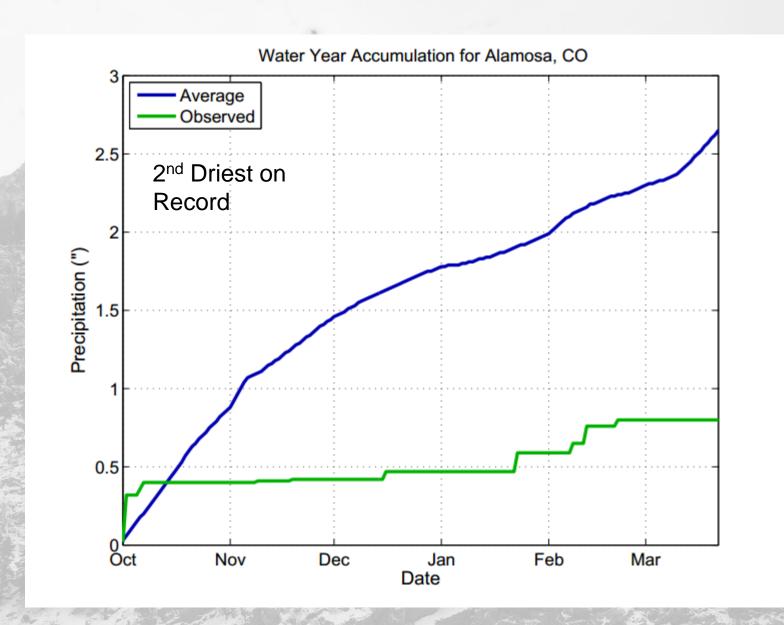


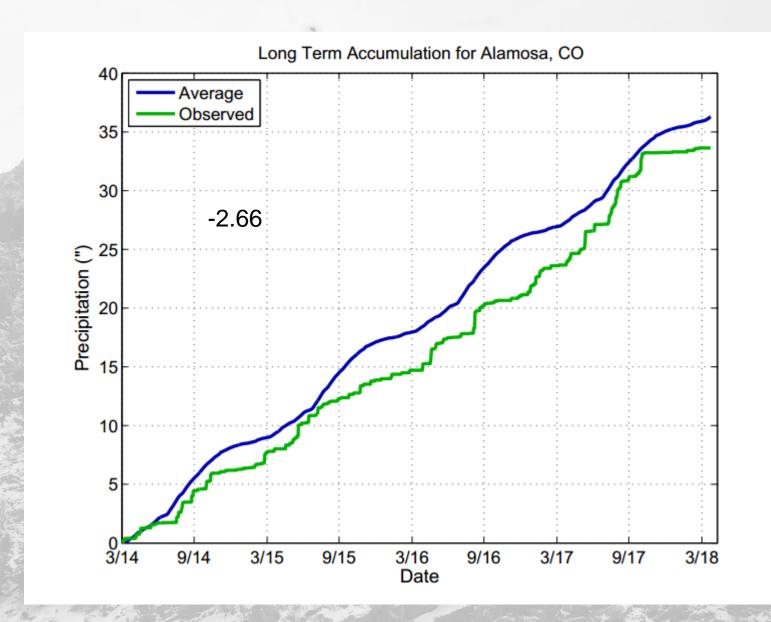


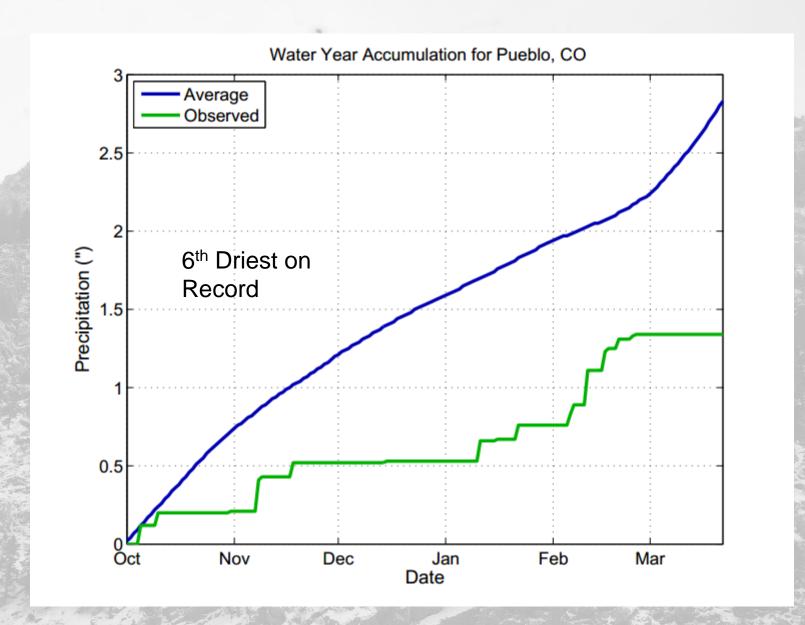


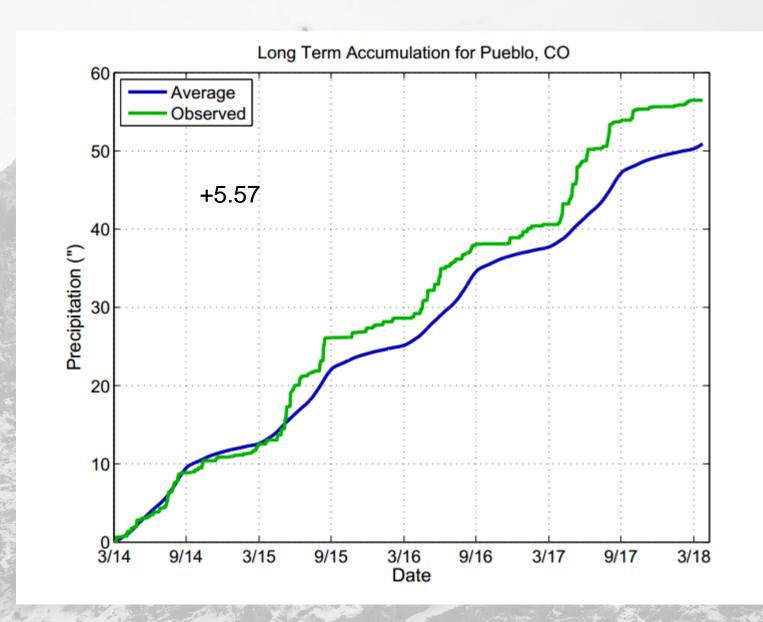


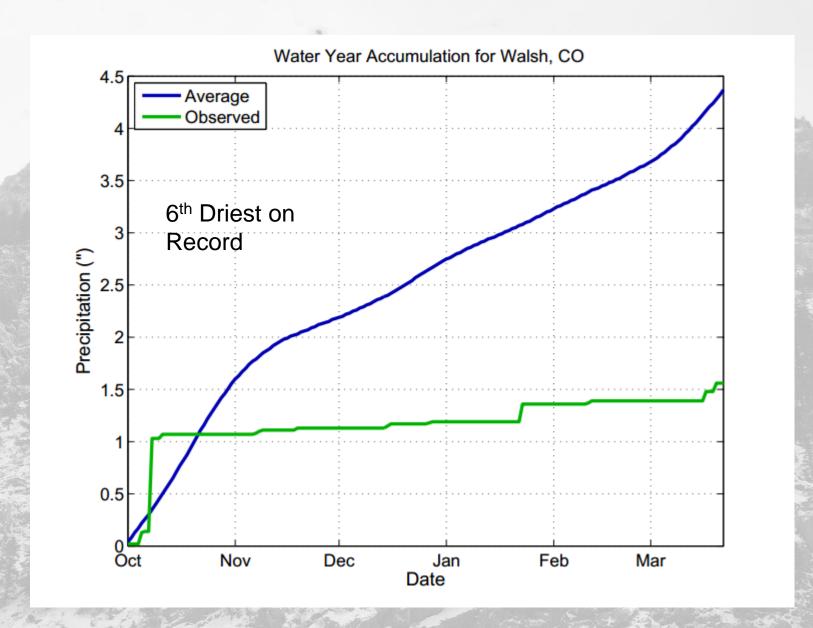


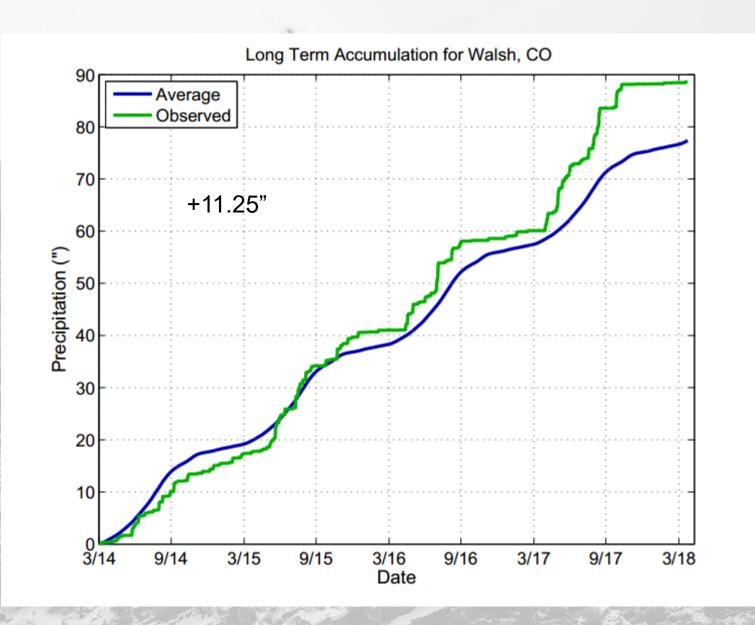


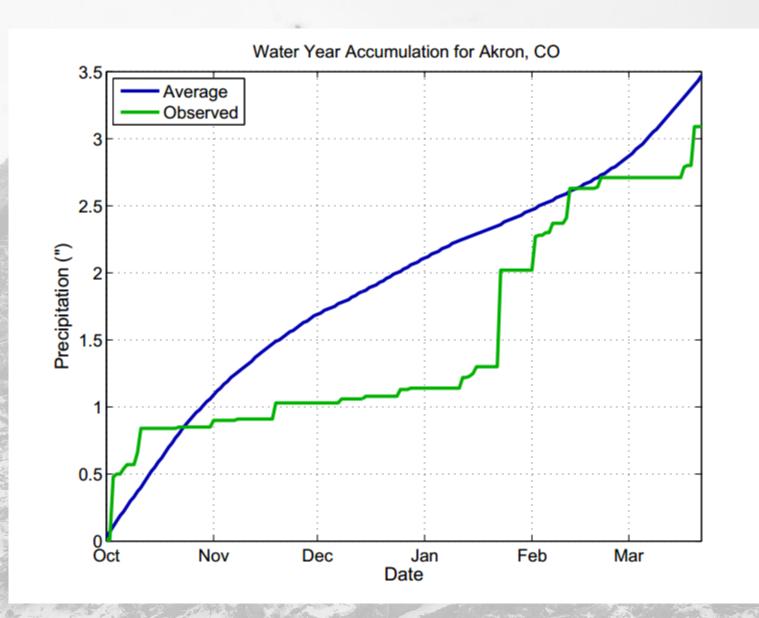


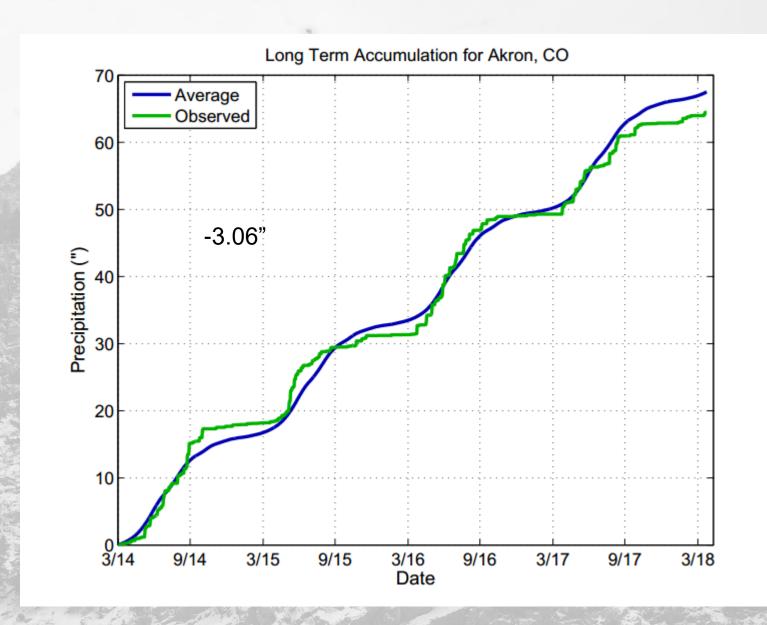


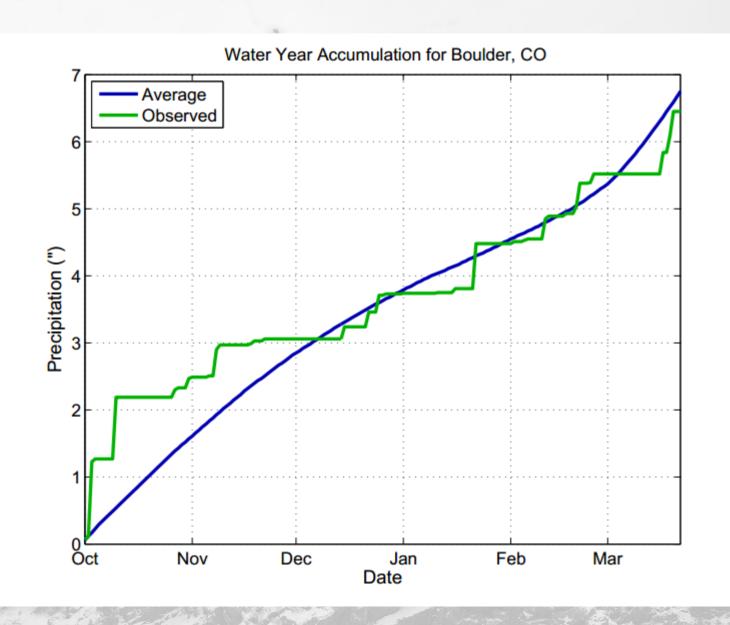


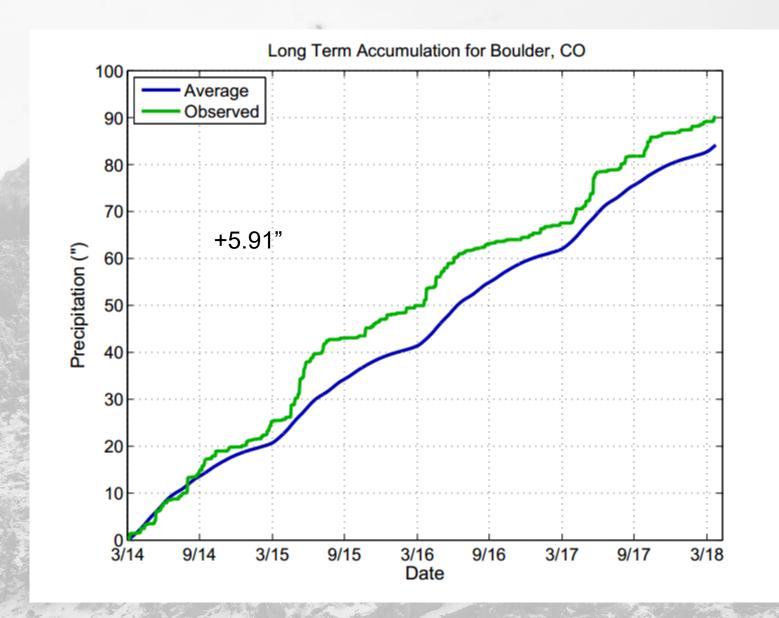


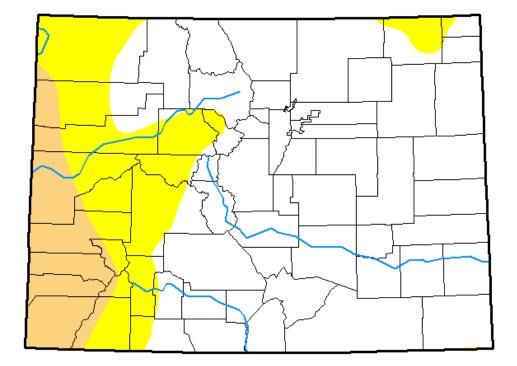












November 21, 2017

(Released Wednesday, Nov. 22, 2017)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

_	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	71.23	28.77	9.82	0.00	0.00	0.00
Last Week 11-14-2017	71.26	28.74	1.22	0.00	0.00	0.00
3 Month's Ago 08-22-2017	83.96	16.04	0.00	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 09-26-2017	67.63	32.37	3.72	0.00	0.00	0.00
One Year Ago 11-22-2016	1.60	98.40	35.21	2.15	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:

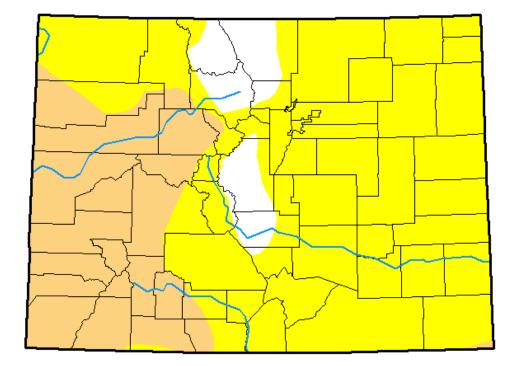
Richard Tinker CPC/NOAA/NWS/NCEP











December 19, 2017

(Released Thursday, Dec. 21, 2017) Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	7.17	92.83	27.13	0.00	0.00	0.00
Last Week 12-12-2017	11.25	88.75	16.09	0.00	0.00	0.00
3 Month's Ago 09-19-2017	64.79	35.21	3.72	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 09-26-2017	67.63	32.37	3.72	0.00	0.00	0.00
One Year Ago 12-20-2016	1.66	98.34	38.38	2.88	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:

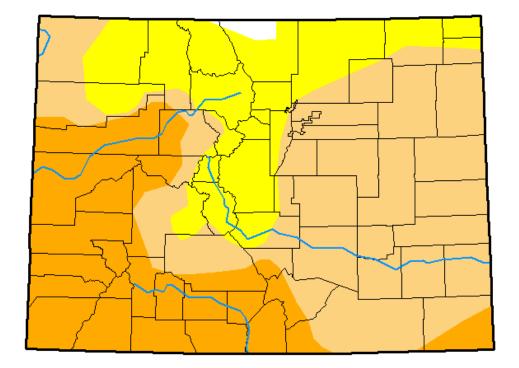
Jessica Blunden NCEI/NOAA











January 23, 2018

(Released Thursday, Jan. 25, 2018) Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Сиптепт	0.59	99.41	75.90	29.21	0.00	0.00
Last Week 01-16-2018	0.59	99.41	75.90	23.23	0.00	0.00
3 Months Ago 10-24-2017	71.57	28.43	1.12	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 01-24-2017	44.27	55.73	35.34	0.75	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:

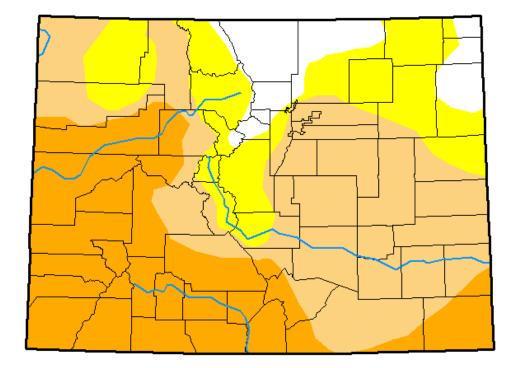
Richard Heim NCEI/NOAA











February 13, 2018

(Released Thursday, Feb. 15, 2018) Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	8.59	91.41	71.18	33.51	0.00	0.00
Last Week 02-06-2018	0.59	99.41	71.90	31.82	0.00	0.00
3 Month's Ago 11-14-2017	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 02-14-2017	46.88	53.12	36.92	0.75	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:

Eric Luebehusen
U.S. Department of Agriculture









March 20, 2018

(Released Thursday, Mar. 22, 2018)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	9.65	90.35	74.31	50.29	19.99	0.00
Last Week 03-13-2018	10.16	89.84	70.75	47.44	13.44	0.00
3 Month's Ago 12-19-2017	7.17	92.83	27.13	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 03-21-2017	48.05	51.95	41.82	5.14	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:

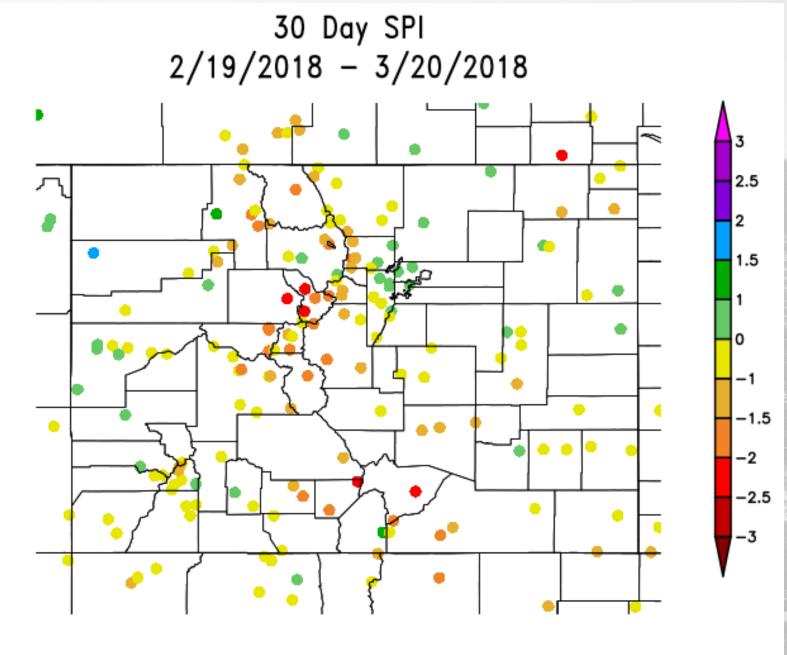
Chris Fenimore NCEI/NESDIS/NOAA

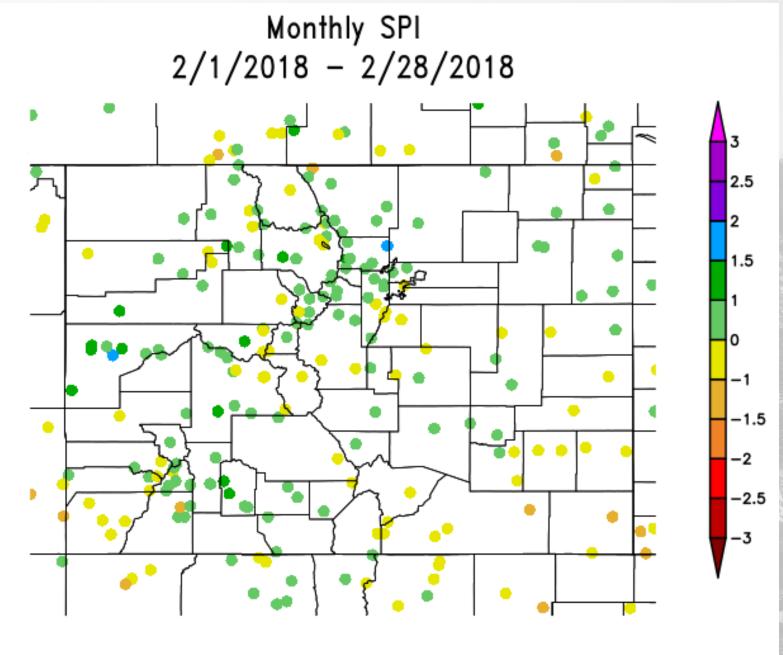


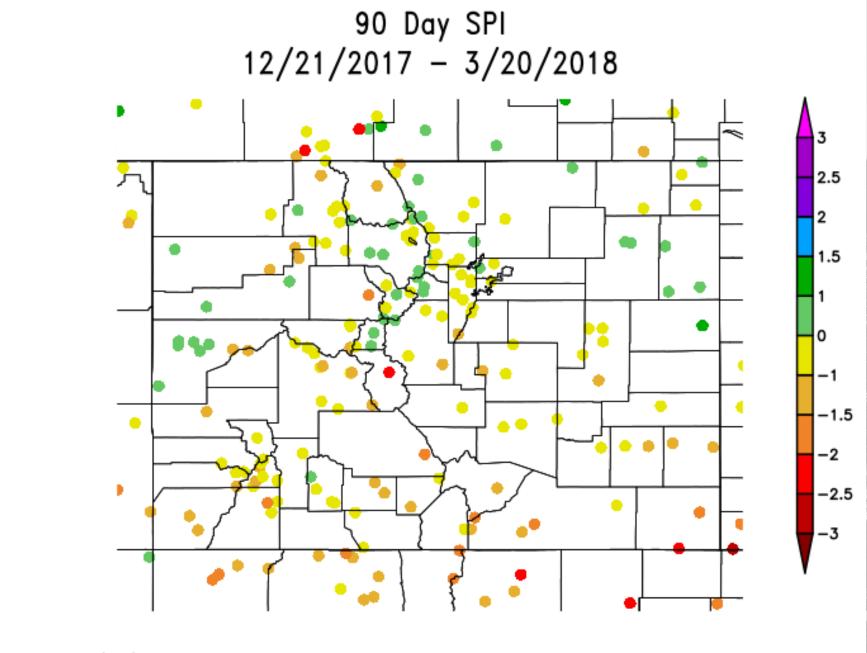


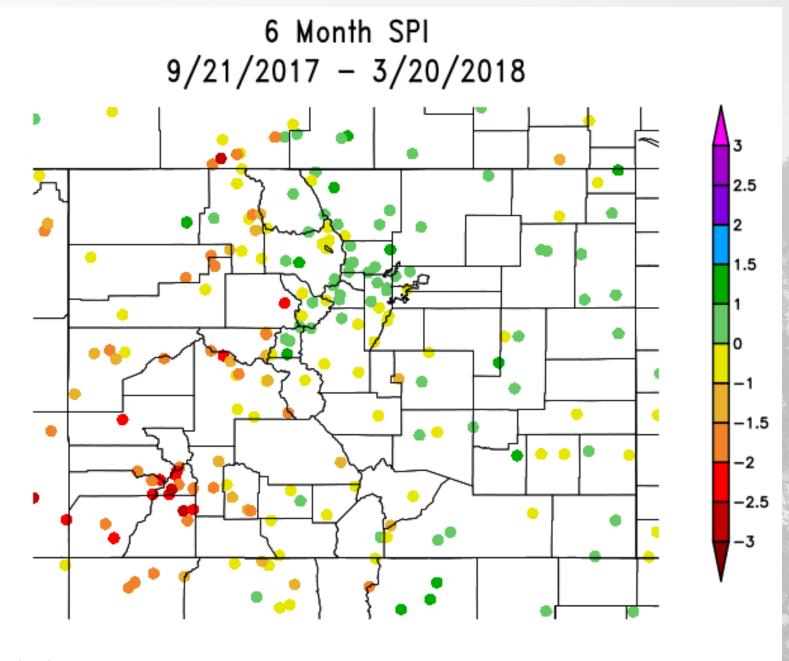


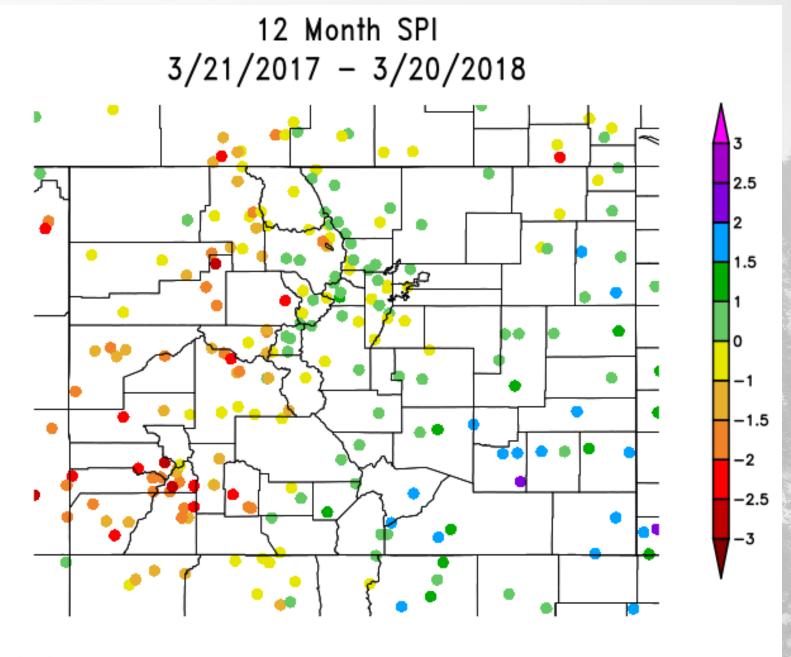










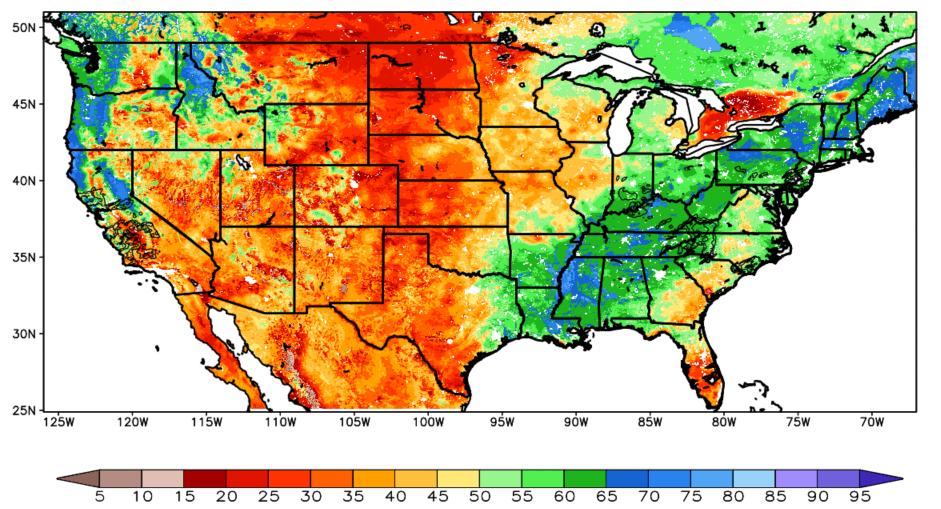


Reservoir and Soils Update

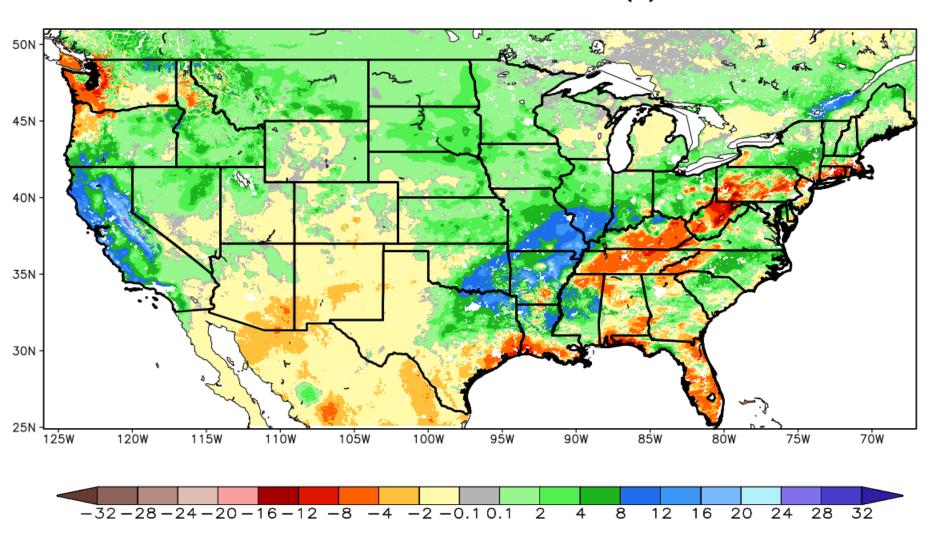


Column—Integrated Relative Soil Moisture (available water; %) valid 00z 21 Mar 2018

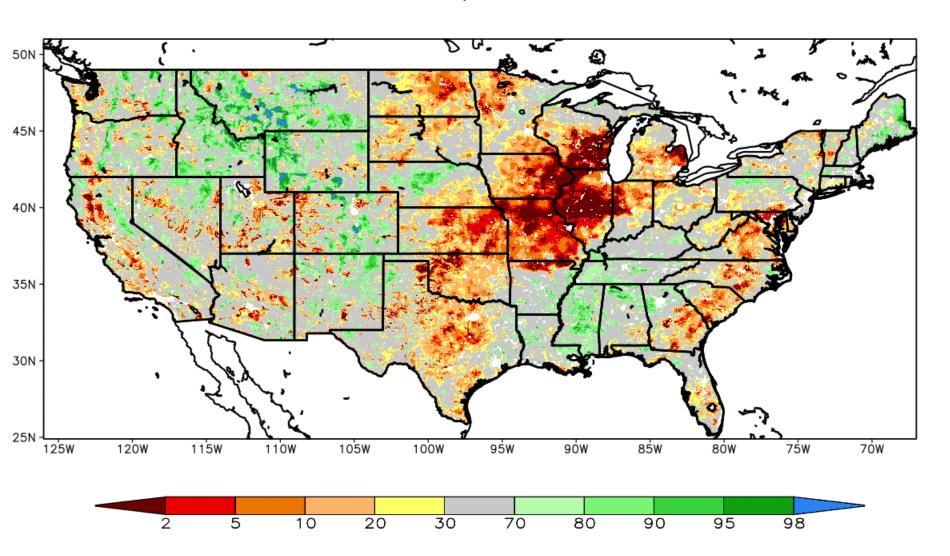
Precipitation in previous hour (1,2,5,10,15,20,25 mm contours)

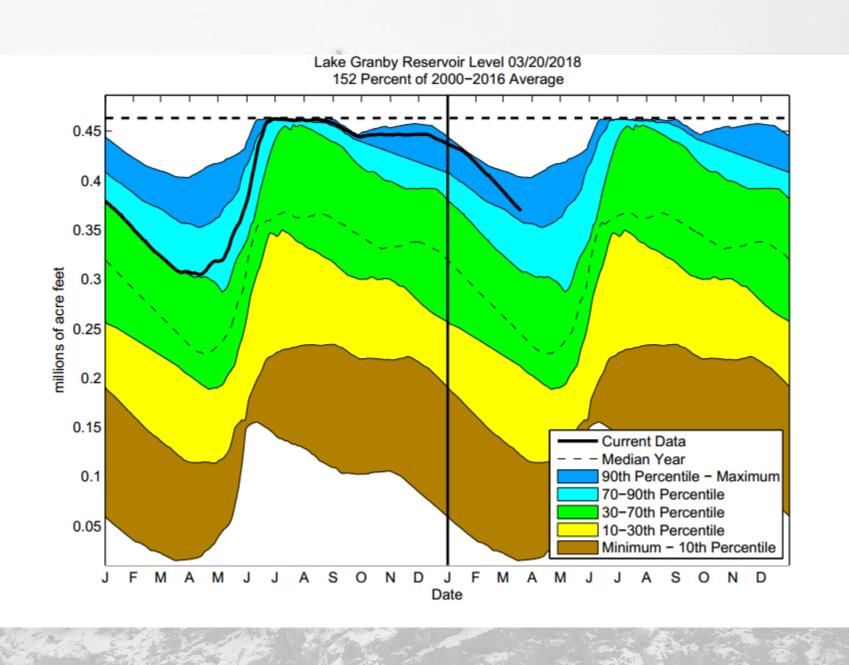


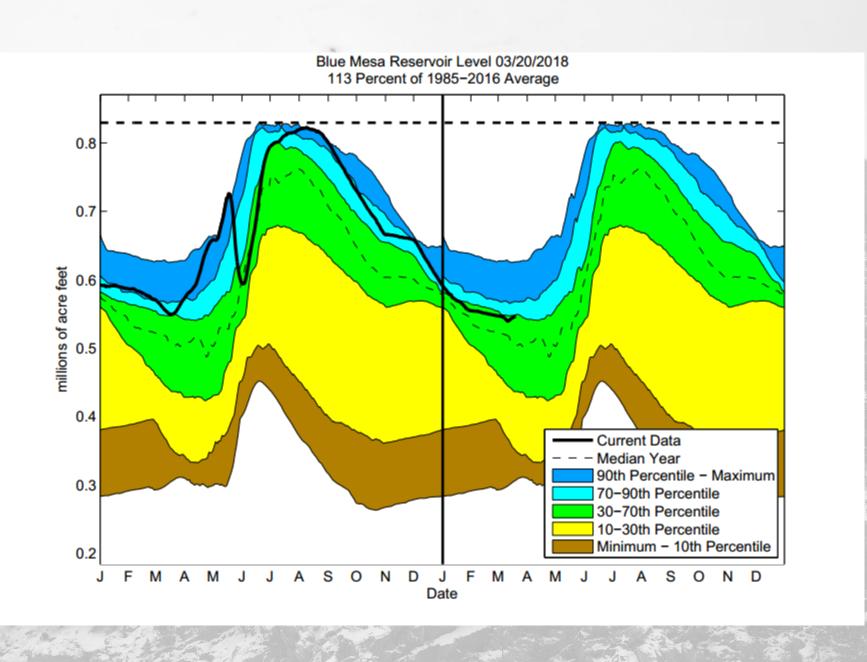
1-Month Difference in Column Relative Soil Moisture (%) valid 12z 21 Mar 2018

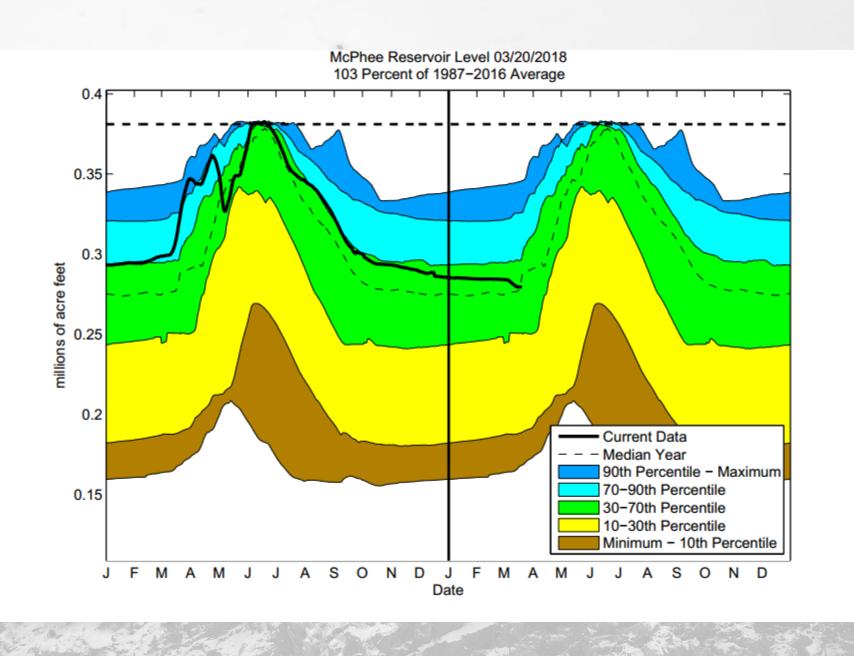


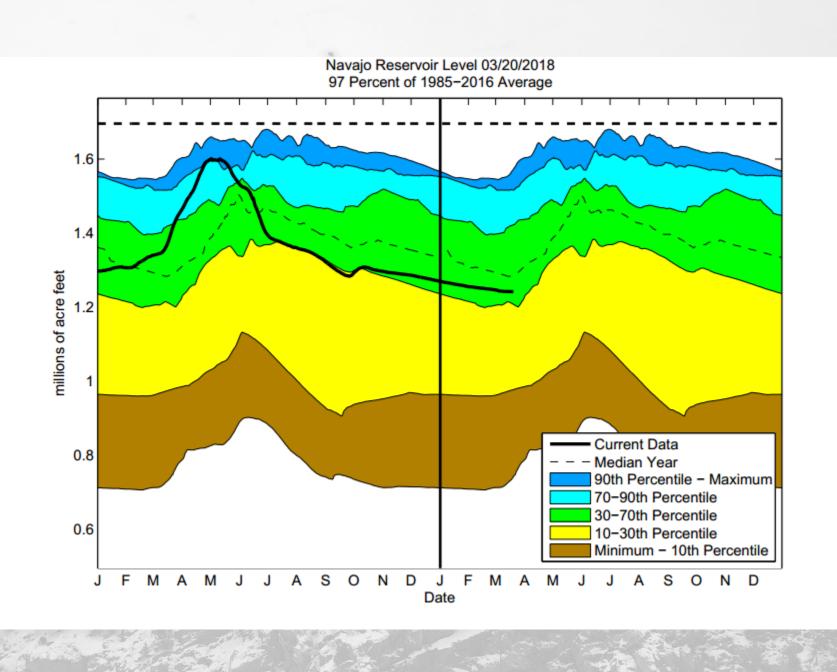
SPoRT-LIS 0-2 m RSM percentile valid 20 Mar 2018











Reservoir Operations:							
	Inflow (cfs)	Outflow (cfs)	Elevation (feet)	Storage (ac-ft)	Change (ac-ft)	Full Elev. (feet)	Capacity (ac-ft)
South Platte System:							
Antero	-3	8	8,942.00	20,122	-22	8,942	19,881
Eleven Mile	72	72	8,597.50	99,486	0	8,597	97,779
Cheesman	95	99	6,822.98	63,565	-8	6,842	79,064
Strontia Springs	184	36	5,994.81	7,147	-64	6,002	7,863
Chatfield	56	0	5,429.97	24,304	52	5,432	27,076
Marston	0	0	5,530.00	14,061	-12	5,538	19,256
Soda Lakes				1,638	0		1,680
Platte Canyon	0		5,530.03	742	0	5,533	910
South Complex	0	0		2,974	0		3,561
Harriman			5,622.80	761	0	5,623	762
Moffat System:							
Gross	20	12	7,235.83	25,497	15	7,282	41,811
Ralston	2	1	6,024.60	7,498	-76	6,046	10,776
Upper Long Lake	0	0	6,075.39	853	0	6,088	1,519
Lower Long Lake	0	0	5,892.28		0	5,908	268
Western Slope:							
Dillon	83	98	9,011.81	240,995	-91	9,017	257,304
Williams Fork	52	40	7,789.36	66,440	25	7,811	96,822
Meadow Creek	-37	1	9,970.00	1,960	-75	9,995	5,370
Total System:				578,044	-256		671,702
Non-system							
Wolford Mountain	16	31	7,480.78	54,180	-30	7,489	65,985
Green Mountain	178	242	7,896.93	67,122	-129	7,950	153,639
Spinney Mountain	25	80		40,142	N/A		53,651

Colorado Climate Center

Thanks, and let's keep in touch!

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Becky Bolinger - becky.bolinger@colostate.edu

Zach Schwalbe - zach.schwalbe@colostate.edu

Data and Power Point Presentations available for downloading

http://climate.colostate.edu/pubs.html



