# Colorado Climate Center – WATF Climate Update

**Becky Bolinger** 

Water Availability Task Force July 24, 2018 – Durango, CO

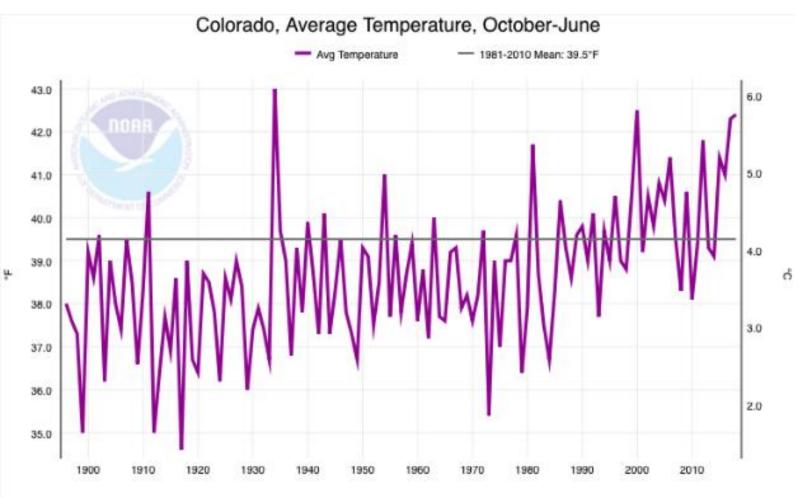








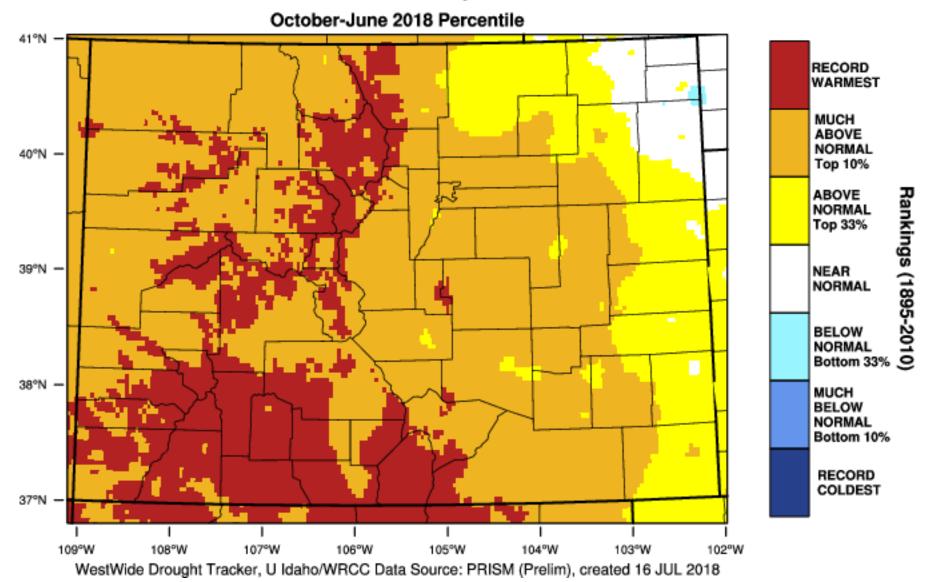
# 3<sup>rd</sup> Warmest in 123-year record +2.9°F above 39.5°F average



MONTH	RANK
Oct 2017	near average
Nov 2017	1st warmest
Dec 2017	8 <sup>th</sup> warmest
Jan 2018	8 <sup>th</sup> warmest
Feb 2018	near average
Mar 2018	25 <sup>th</sup> warmest
Apr 2018	near average
May 2018	2 <sup>nd</sup> warmest
Jun 2018	3 <sup>rd</sup> warmest

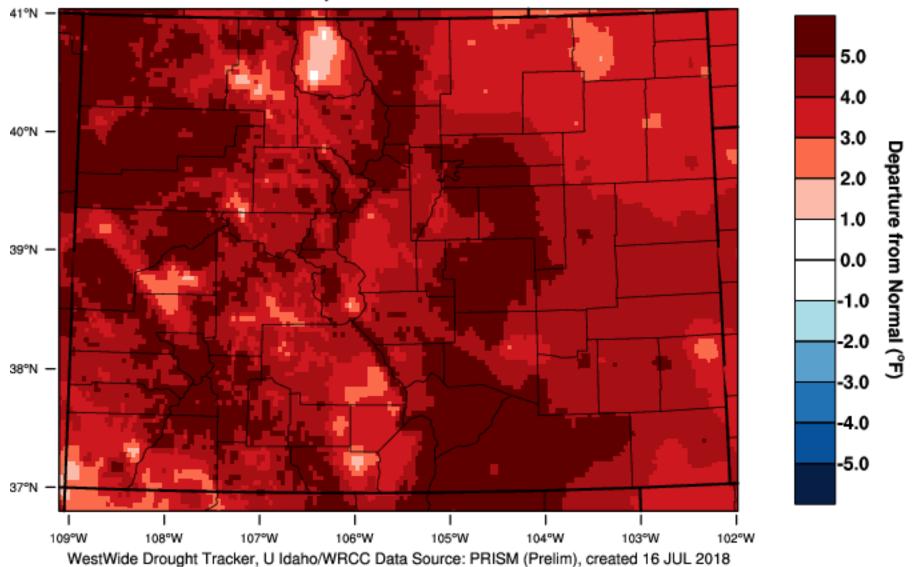


# Colorado - Mean Temperature



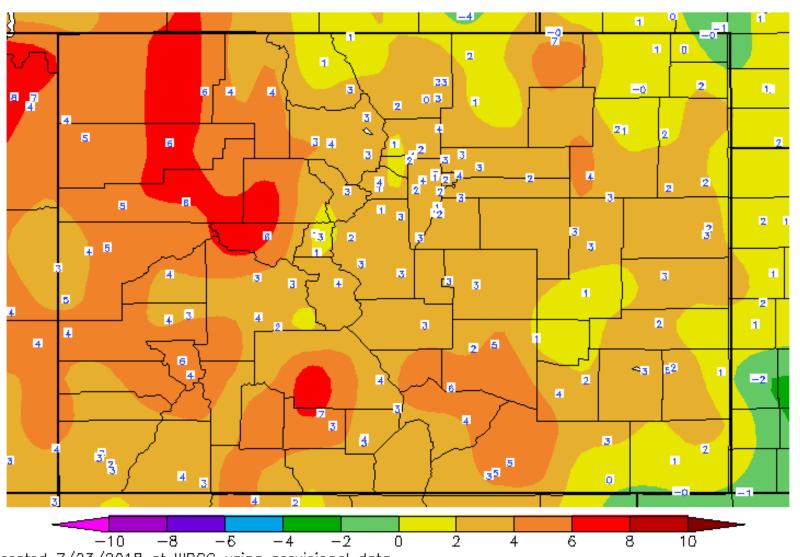
# Colorado - Mean Temperature

## June 2018 Departure from 1981-2010 Normal





Ave. Temperature dep from Ave (deg F) 7/1/2018 - 7/22/2018



Generated 7/23/2018 at WRCC using provisional data. NOAA Regional Climate Centers

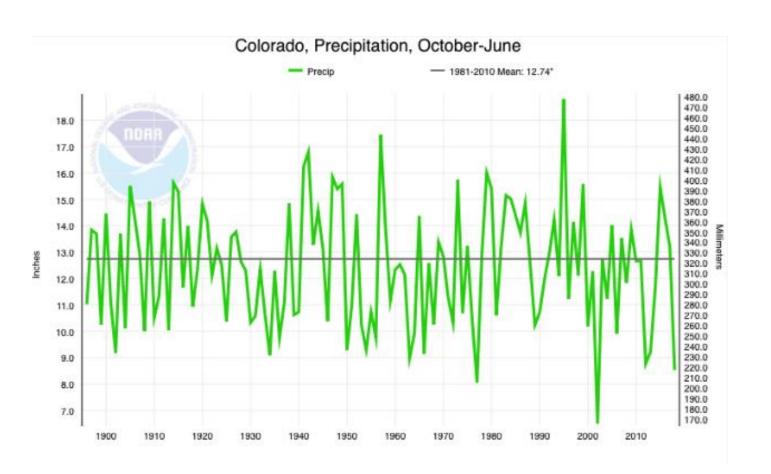








# 3<sup>rd</sup> driest in 123-year record -4.21" below 12.74" average

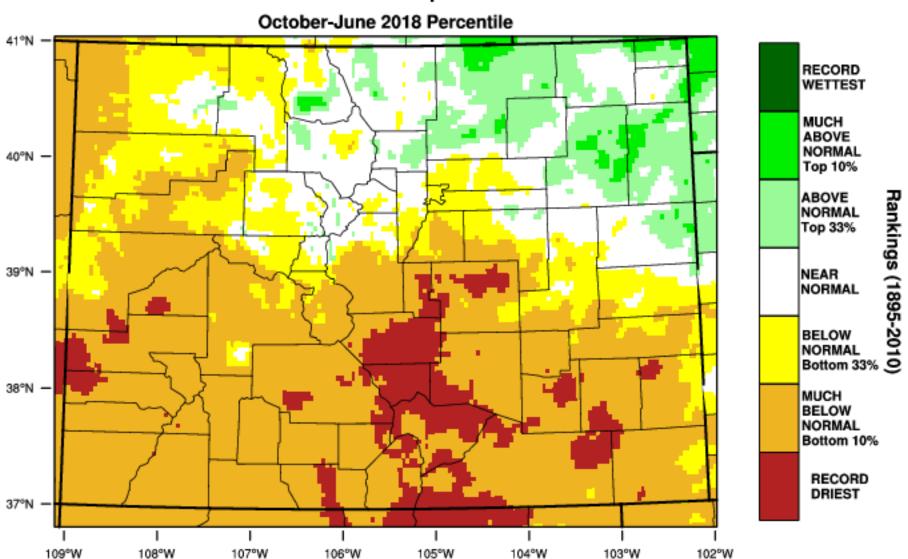


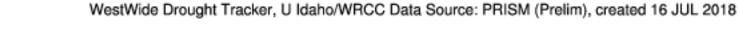
MONTH	RANK
Oct 2017	37 <sup>th</sup> driest
Nov 2017	18 <sup>th</sup> driest
Dec 2017	7 <sup>th</sup> driest
Jan 2018	37 <sup>th</sup> driest
Feb 2018	near average
Mar 2018	26 <sup>th</sup> driest
Apr 2018	34 <sup>th</sup> driest
May 2018	38 <sup>th</sup> driest
Jun 2018	26 <sup>th</sup> driest





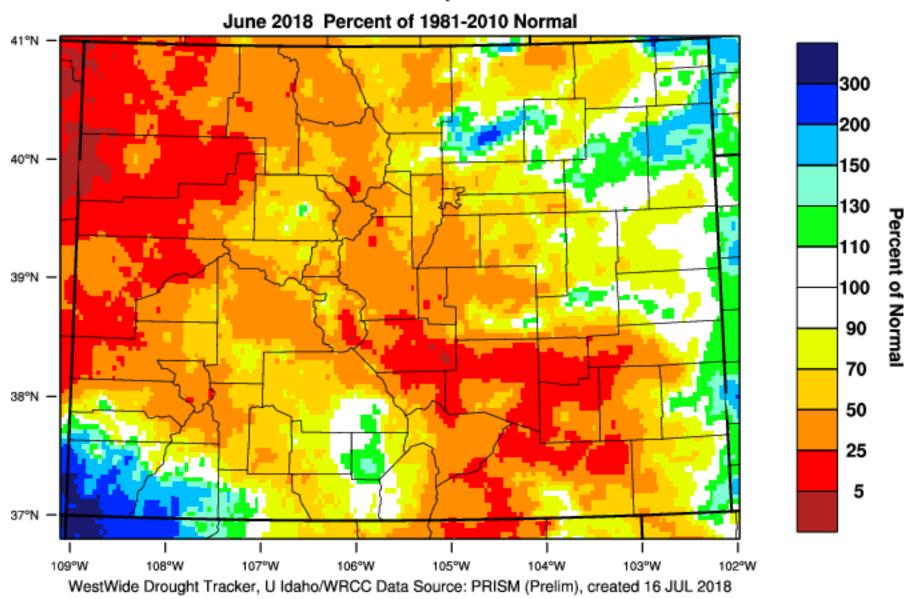
## Colorado - Precipitation





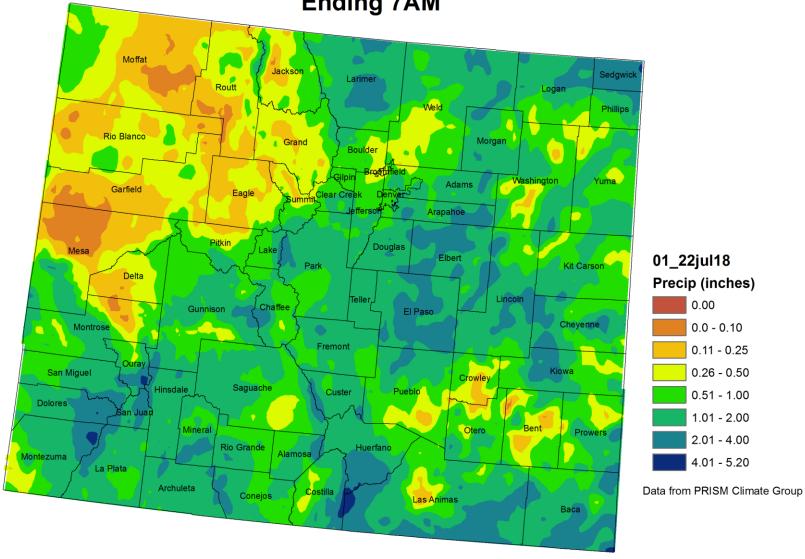


# Colorado - Precipitation



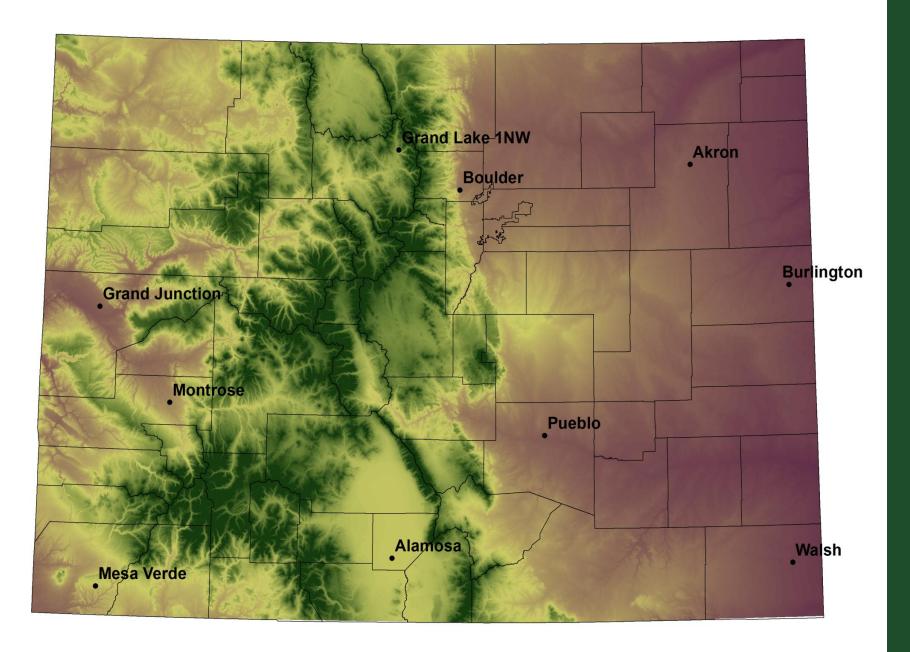


# Colorado Month to Date Precipitation 1 - 22 July 2018 Ending 7AM



# **NWS Cooperative Stations for WATF**



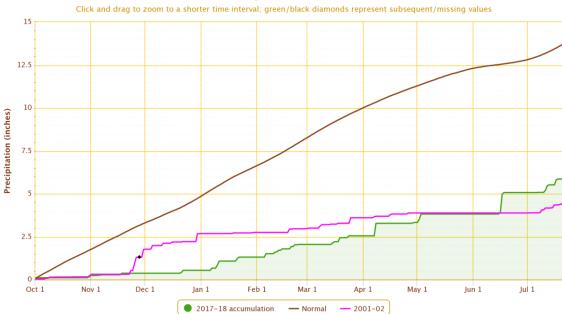


Water Year 2018 – Station Updates

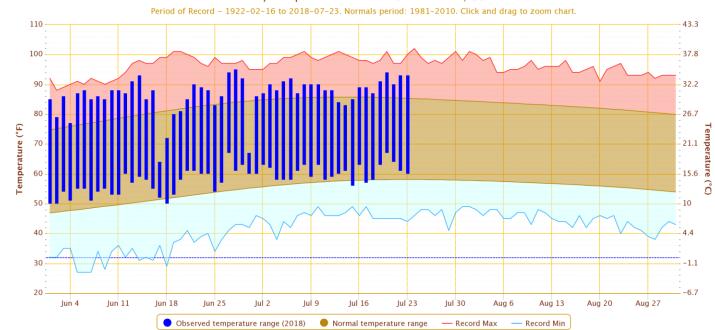
SPECIAL EDITION: SOUTHWEST CO



#### Accumulated Precipitation - MESA VERDE NP, CO



#### Daily Temperature Data - MESA VERDE NP, CO



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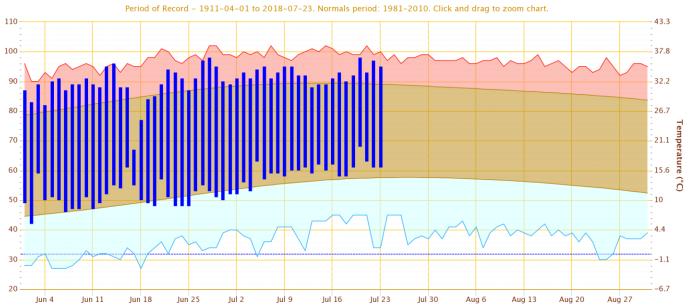
#### Accumulated Precipitation - CORTEZ, CO





#### Powered by ACIS

#### Daily Temperature Data - CORTEZ, CO



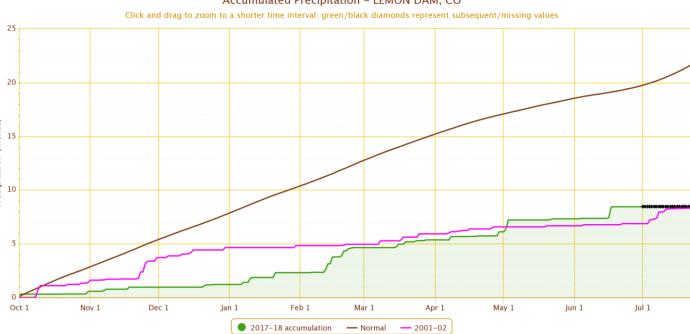
— Record Max — Record Min

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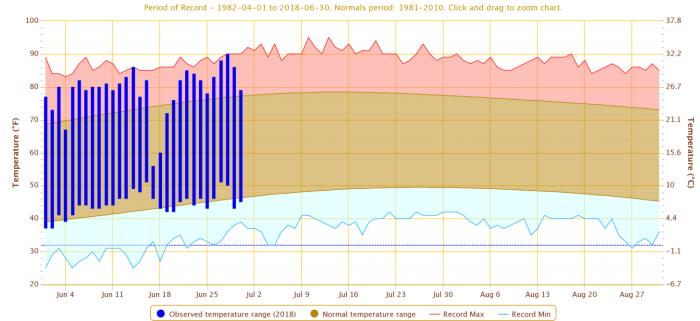


Observed temperature range (2018) Normal temperature range

#### Accumulated Precipitation – LEMON DAM, CO



#### Daily Temperature Data - LEMON DAM, CO



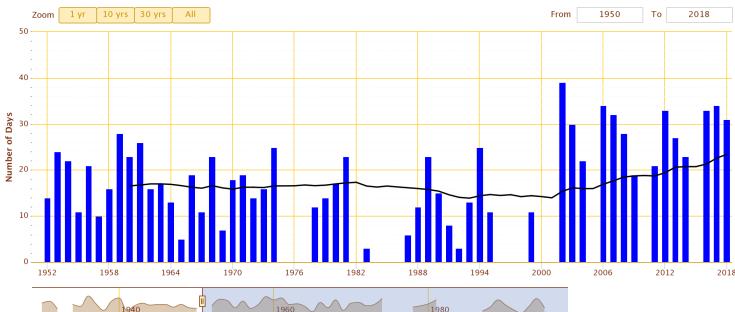
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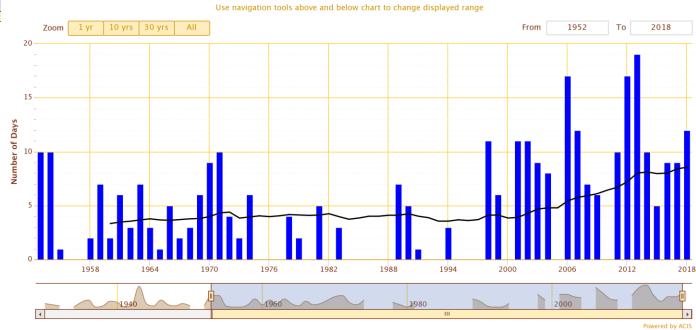
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#### Number of Days Max Temperature >= 90 Jan 1 to Jul 22 - CORTEZ, CO

Use navigation tools above and below chart to change displayed range



#### Number of Days Min Temperature >= 60 Jan 1 to Jul 22 - CORTEZ, CO



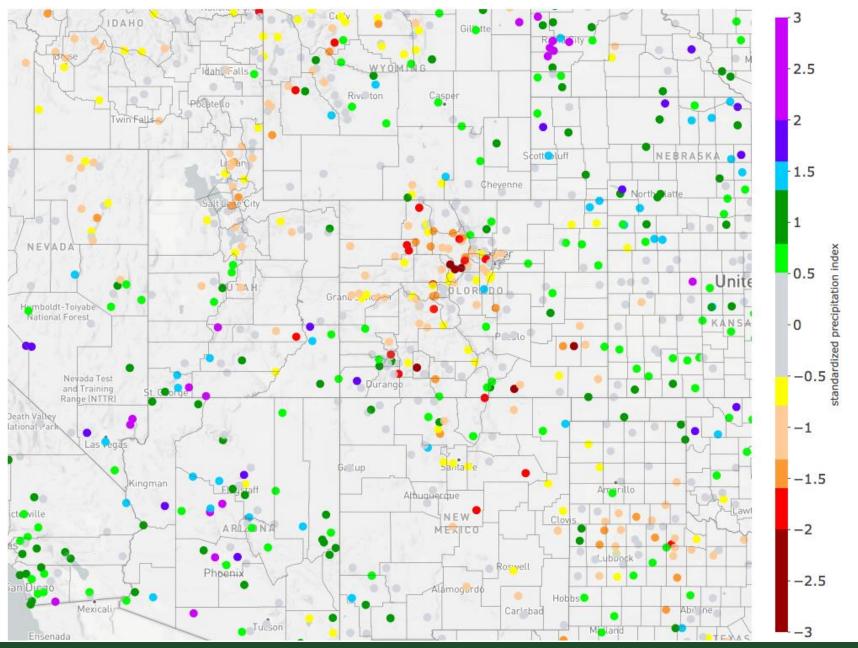




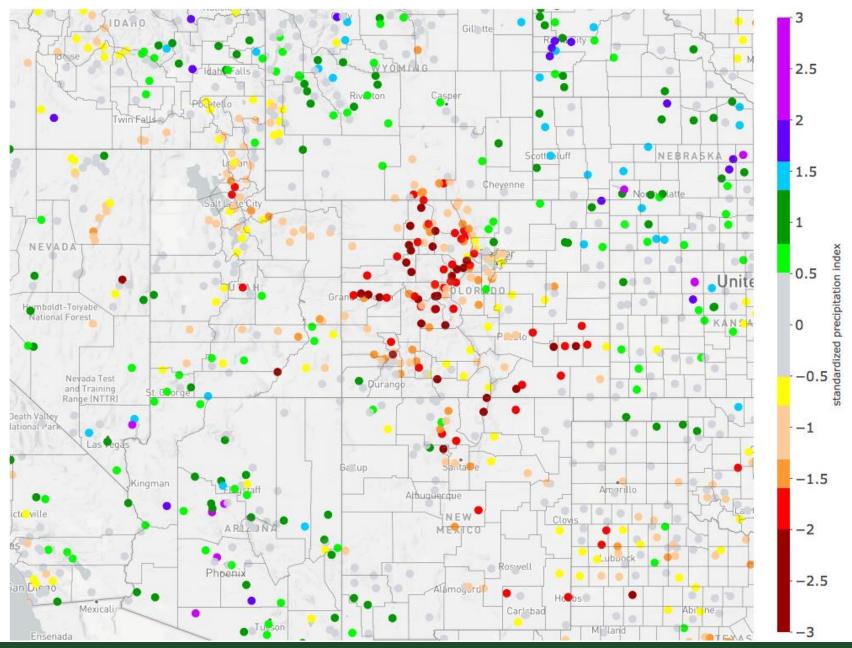




# 30-day Standardized Precipitation Index

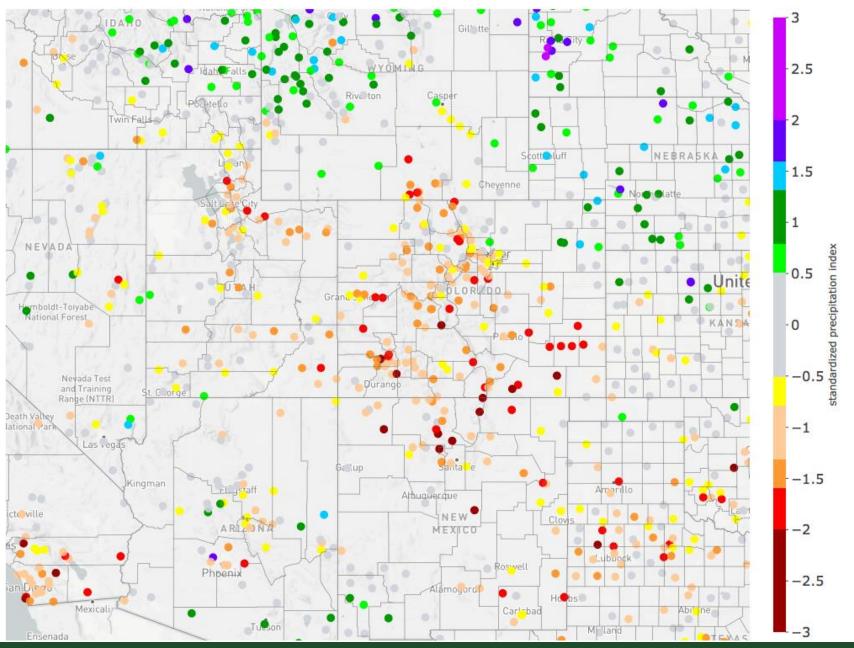


# 90-day Standardized Precipitation Index

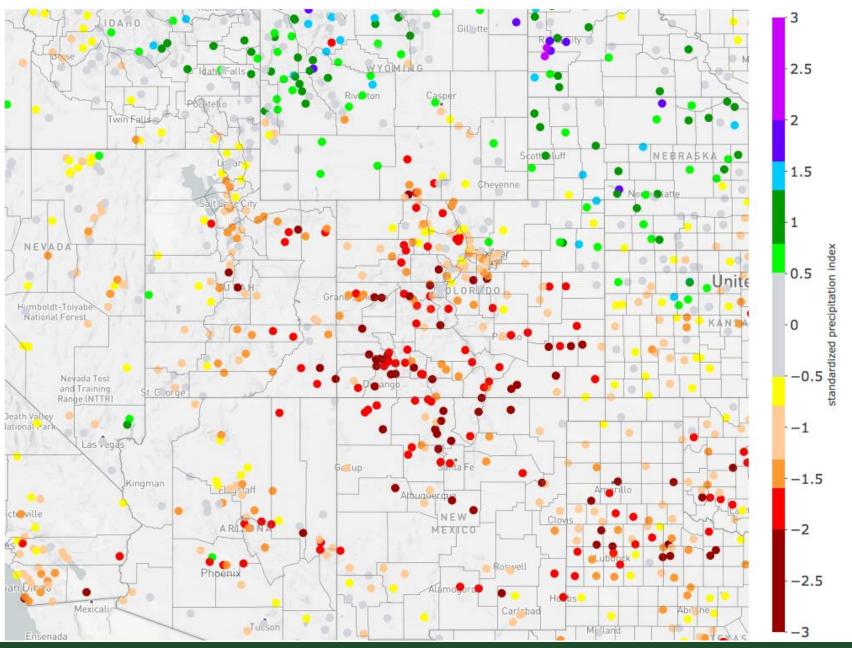




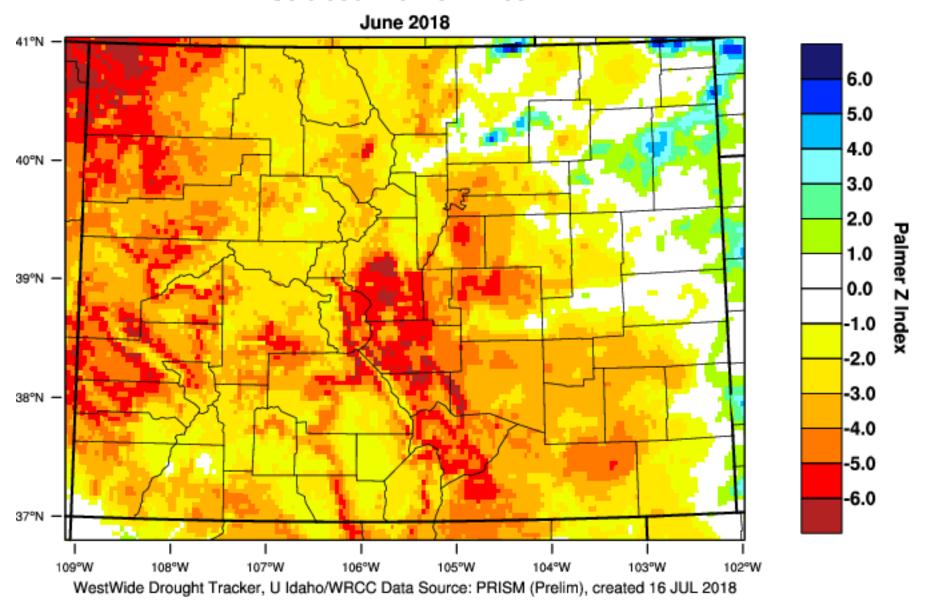
# 6-month Standardized Precipitation Index



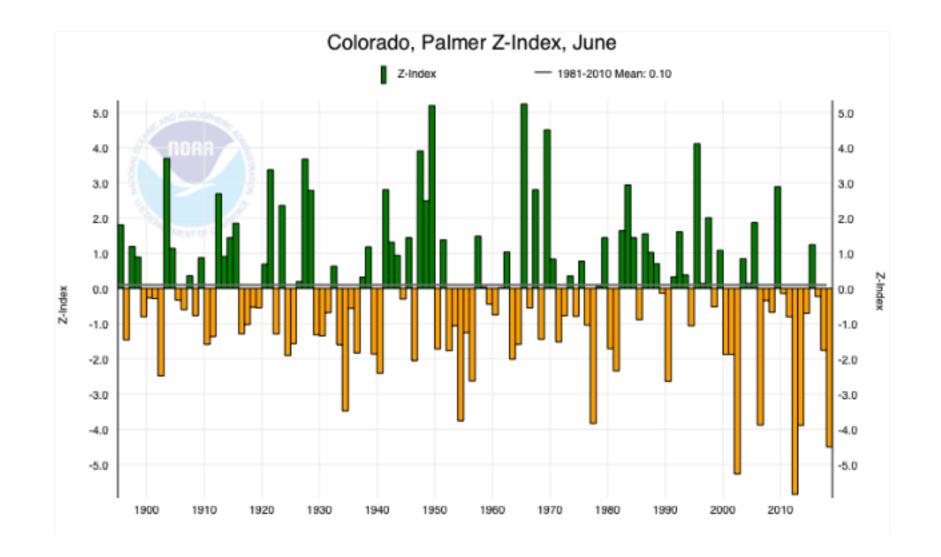
# 9-month Standardized Precipitation Index

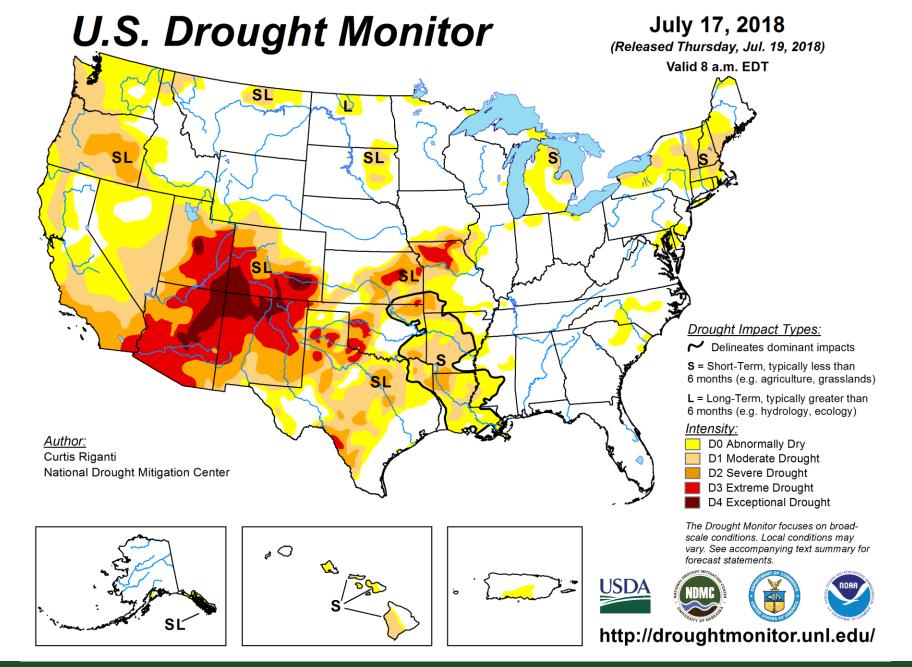


### Colorado - Palmer Z-Index



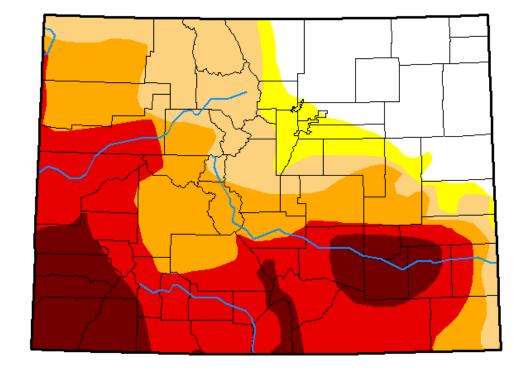






# U.S. Drought Monitor

# Colorado



# July 17, 2018

(Released Thursday, Jul. 19, 2018) Valid 8 a.m. EDT

Drought Conditions (Percent Area)

		None	D0-D4	D1-D4	D2-D4	D3-D4	D4
	Current	17.50	82.50	76.96	60.62	40.08	13.32
	Last Week 07-10-2018	17.50	82.50	77.11	60.62	40.08	13.32
	3 Month's Ago 04-17-2018	15.74	84.26	69.17	53.65	24.42	3.87
	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 07-18-2017	64.47	35.53	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:

Curtis Riganti National Drought Mitigation Center



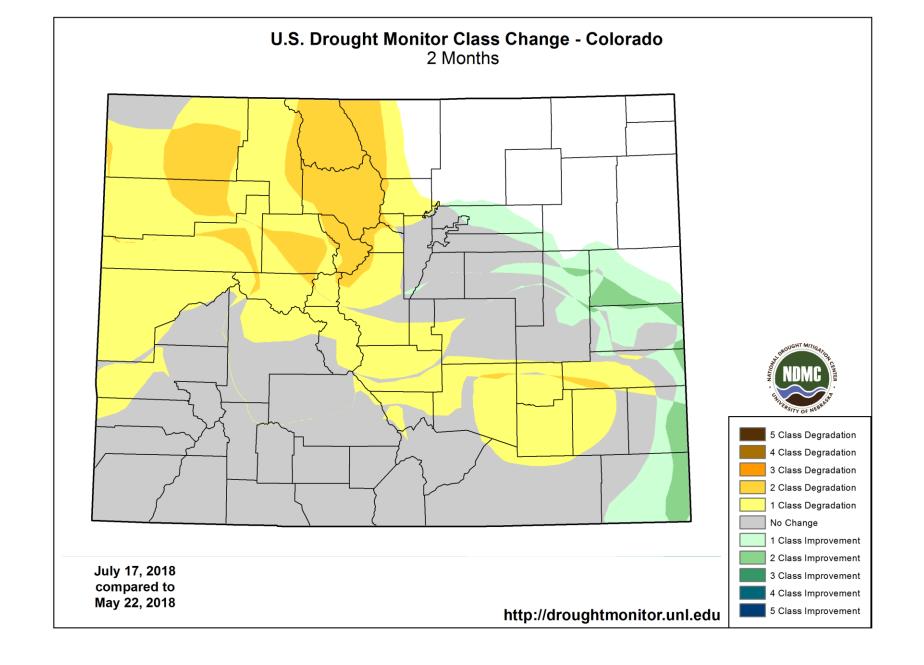


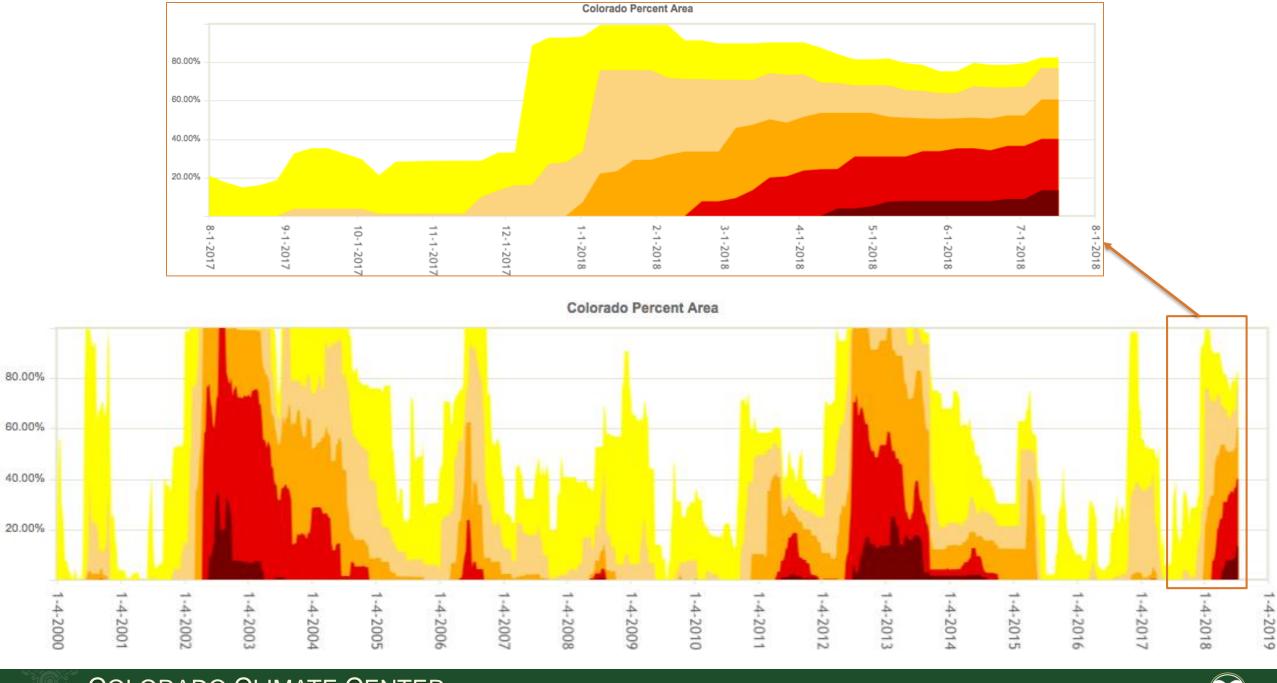




http://droughtmonitor.unl.edu/



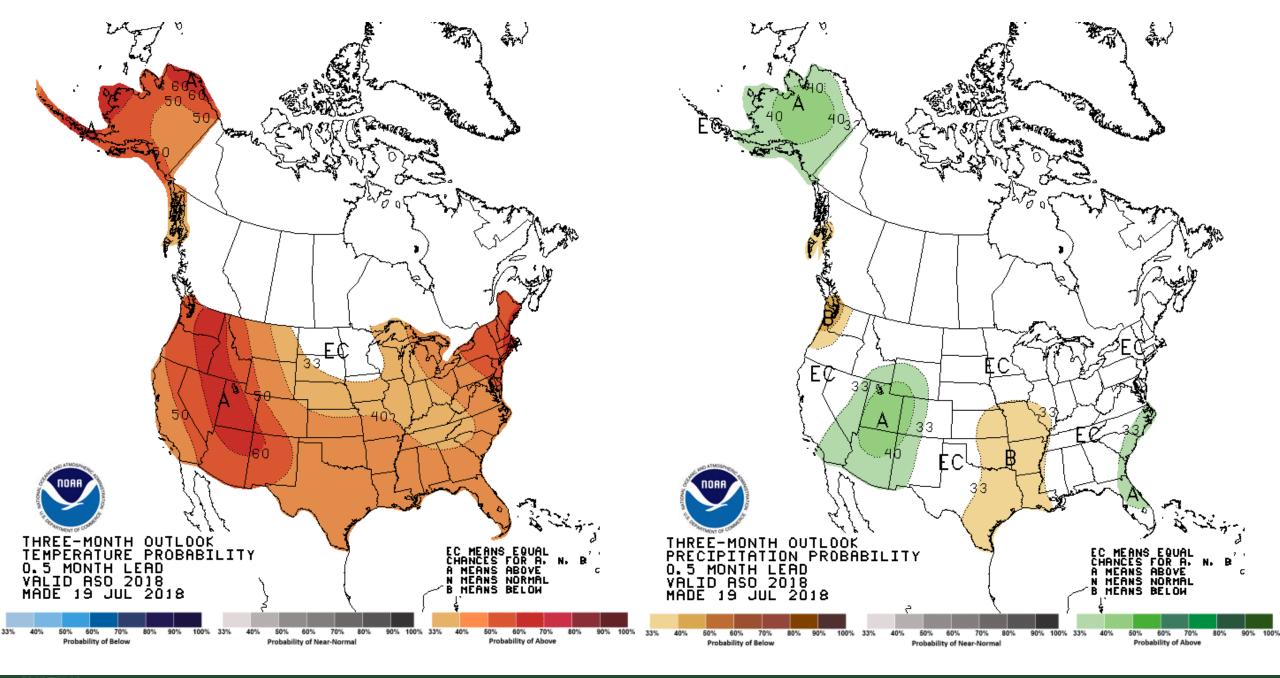




Outlook

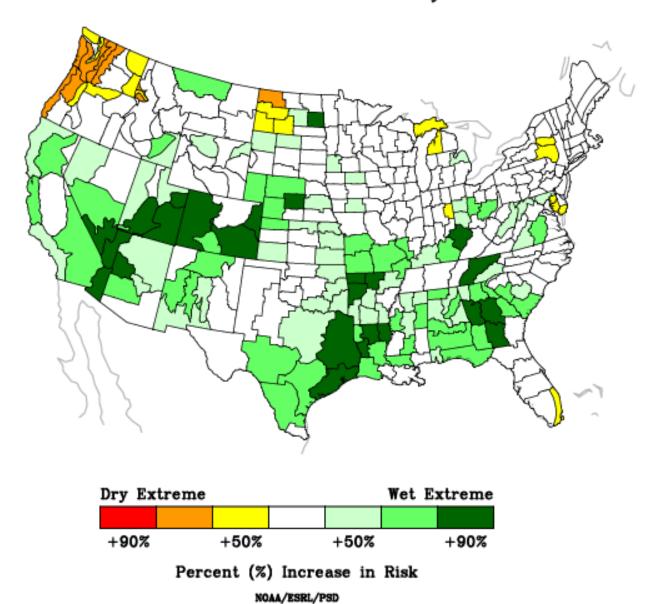








# SON Precipitation During El Nino Increased Risk of Wet or Dry Extremes



# El Niño Watch Issued

What can El Niño mean for Colorado?



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To view this and other presentations: http://climate.colostate.edu/ccc\_archive.html

# Thank you

