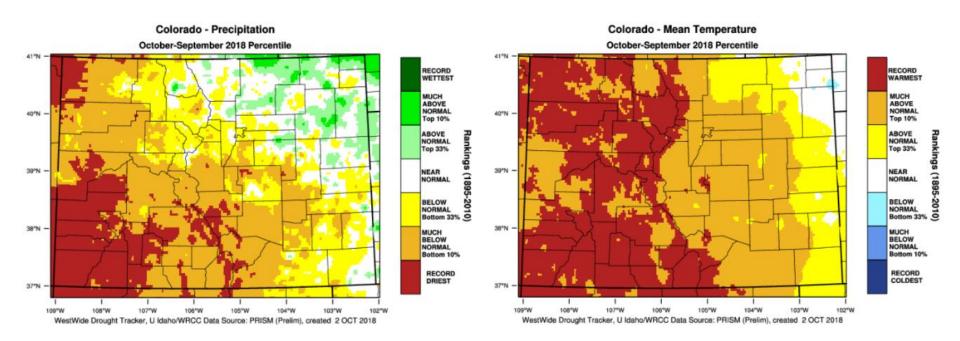
Colorado Drought Briefing

Oct 18, 2018



2018 Water Year in Review

- ★ Record Warmest
 - ★ 2nd Driest
 - ★ 124 year record



CO STATEWIDE RANKING in 124-YEAR RECORD			
MONTH	T RANK	P RANK	
Oct 2017	near average	37 th driest	
Nov 2017	record warmest	18 th driest	
Dec 2017	8 th warmest	7 th driest	
Jan 2018	8 th warmest	37 th driest	
Feb 2018	near average	near average	
Mar 2018	25 th warmest	26 th driest	
Apr 2018	near average	34 th driest	
May 2018	2 nd warmest	38 th driest	
Jun 2018	3 rd warmest	26 th driest	
Jul 2018	10 th warmest	near average	
Aug 2018	33 rd warmest	25 th driest	
Sep 2018	3 rd warmest	19 th driest	
Water Year	record warmest	2 nd driest	
From NOAA NCEI's National Temperature and Precipitation Rank Maps: www.ncdc.noaa.gov/sotc/national			

NUMBER OF DAILY AND MONTHLY STATION RECORDS BROKEN in CO

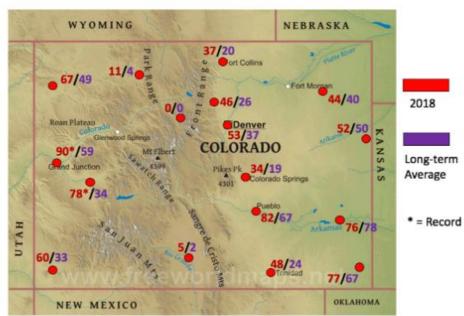
Weather Record Broken	Record broken for a day	Record broken for a month
Highest Max Temperature	1,696	22
Highest Min Temperature	2,971	100
Lowest Max Temperature	560	0
Lowest Min Temperature	292	0
Highest Precipitation	786	17
Highest Snowfall	196	2

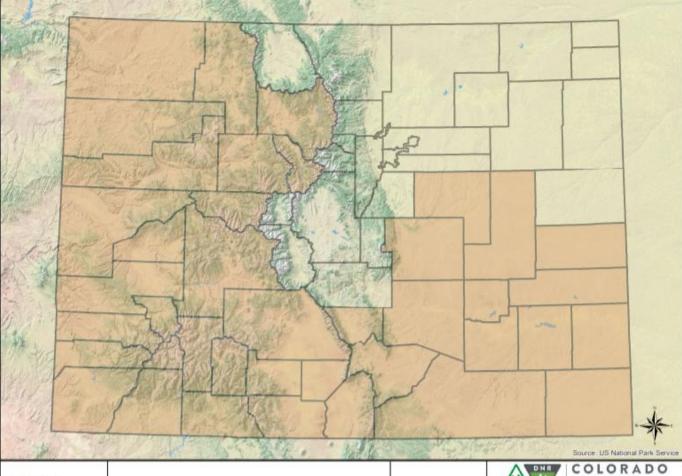
From NOAA NCEI's Select U.S. Records: www.ncdc.noaa.gov/extremes/records

Number of 90 Degree Days

	90° days	Rank	Normal	Record	Record Year
Denver	53	7th of 70	37	67	2012
Fort Collins	37	10th of 121	20	57	2012
Boulder	46	10th of 104	26	60	1952
Colorado Springs	34	T4th of 70	19	49	2012
Pueblo	82	T7th of 65	67	90	2000
Burlington	52	40th of 85	50	88	1954
Lamar	76	T66th of 114	78	129	1934
Walsh	77	9th of 51	67	95	2011
Alamosa	5	T10th of 71	2	20	2003
Cortez	60	2nd of 78	33	69	2002
Grand Junction	90	T1st of 119	59	90	2018
Montrose	78	1st of 113	34	78	2018
Steamboat Springs	11	T13th of 98	4	29	2002
Lake Dillon	0	NA	0	0	NA
Rangely	67	T5th of 58	49	71	1955
Akron	44	T30th of 79	40	73	2012
Trinidad	48	T7th of 97	24	62	2002

Data gathered by Peter Goble (Colorado Climate Center)





0 10 20 30 Miles

Counties with Drought Activation

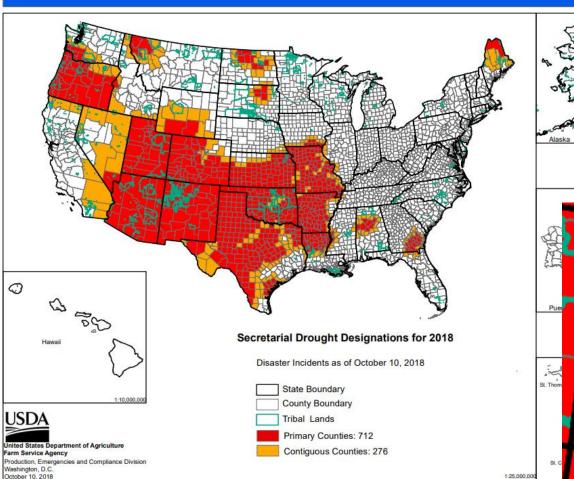
Date: 10/1/2018



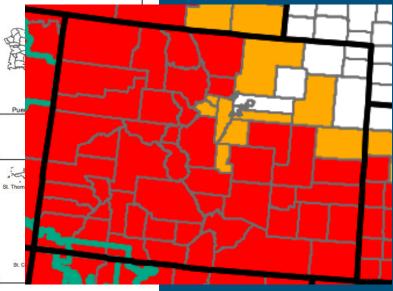
COLORADO Colorado Water Conservation Board

Department of Natural Resources

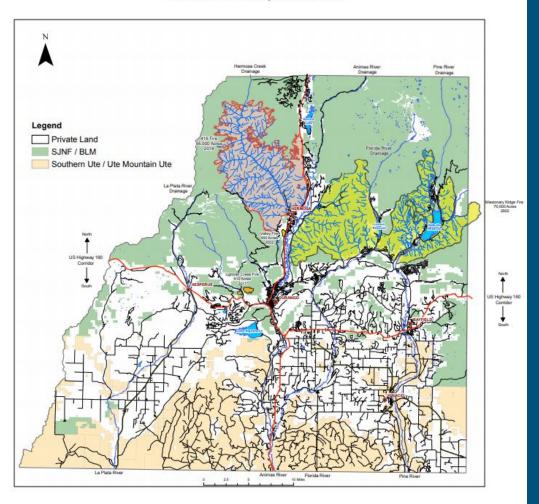
2018 Secretarial Drought Designations - All Drought

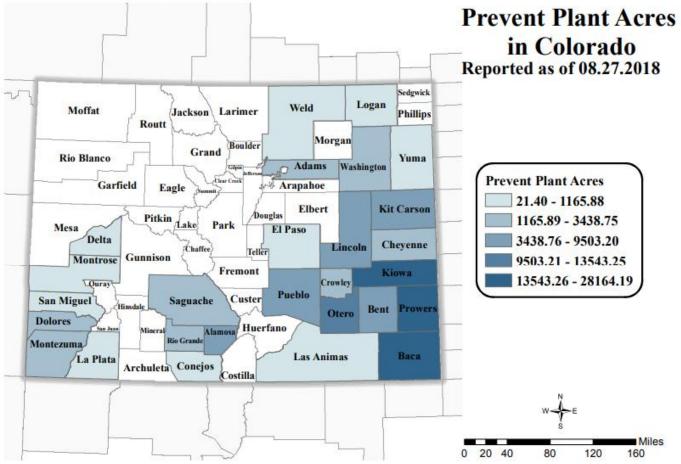






La Plata County, Colorado





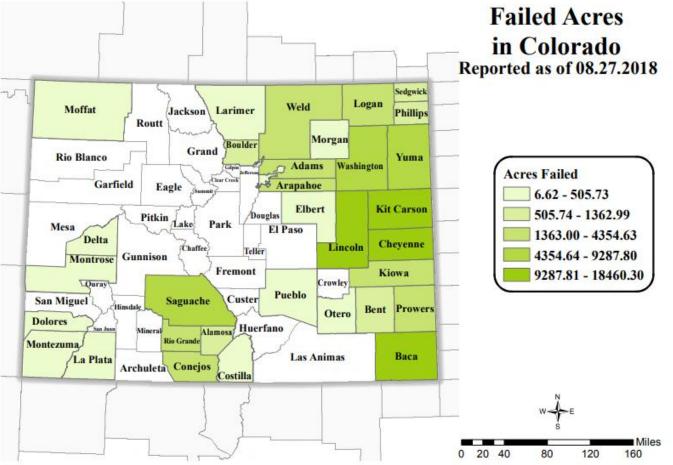


Map is intended for Farm Service Agency (FSA) business purposes only.

Map depicts serves only as a general reference map.

USDA is an equal opportunity provider and employer.

Source: USDA Farm Service Agency and the State of Colorado.



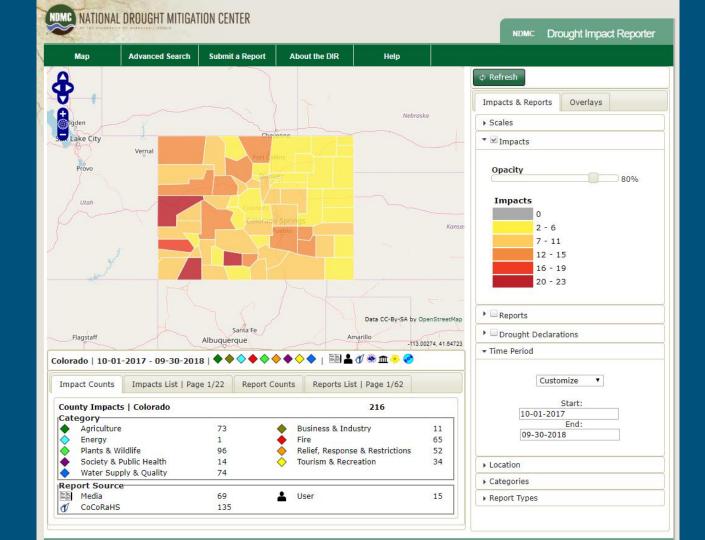


Map is intended for Farm Service Agency (FSA) business purposes only.

Map depicts serves only as a general reference map.

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Source: USDA Farm Service Agency and the State of Colorado.



Prevent Plant & Failed Acres - 8.27.2018

Colorado Sur	Colorado Summary:			
Total Farms Reported:	25,516			
Initial Planted Acres:	24,320,701 ac			
Prevent Plant Acres:	149,830 ac			
Failed Acres:	122,303 ac			

			Conejos	377.94	2,391.03
			Costilla		505.73
Histo	oric Totals:		Crowley	2,317.65	
	Prevent	Failed	Delta	21.4	6.62
2008	88,693.64	171,975.66	Denver		63
2009	18,986.04	60,800.17	Dolores	2,985.31	38.47
2010	8,144.60	47,353.10	Elbert		262.84
2011	97,798.63	243,270.08	El Paso	141.72	
2012	124,460.93	98,096.76	Kiowa	28,164.19	2,294.79
2013	326,551.57	644,971.98	Kit Carson	6,146.57	13,045.66
2014	139,185.08	282,006.91	La Plata	36.57	80.35
2015	247,990.08	123,948.98	Larimer		120
2016	26,477.87	123,086.47	Las Animas	893.04	
2017	135,551.61	225,802.19	Lincoln	8,070.02	17,983.76
			Logan	387.01	2,396.66
			Moffat		91.68
			Montezuma	1875.76	184.73
			Motrose	119	12.42
			Morgan		183.26
			Otero	13,543.25	54.86
			Phillips		1062.65
			Prowers	24,479.86	4,131.36
			Pueblo	4,999.61	
			Rio Grande	1873	4,354.63

County Breakdown:

Prevent Plant Fa

2,378.47

9,503.20

24,931.60

6,419.20

1,629.88

3,438.75

26.22

3,404.30

1,165.88

500.61

Adams

Alamosa

Arapahoe

Baca Bent

Boulder

Cheyenne

Saguache Sedgwick

San Miguel

Washington

Weld

Yuma

Failed Acres

4,342.00

1,362.99

2,524.66

17,407.20

683.2

674.89

18,460.30

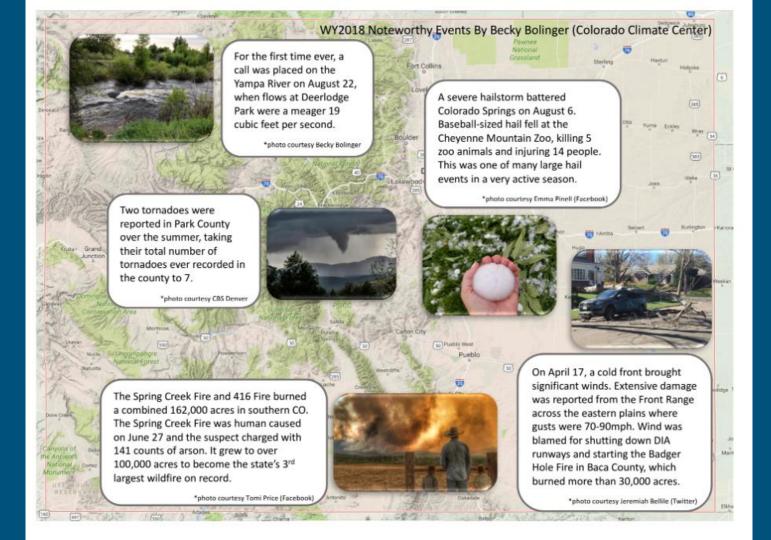
7,015.27

1139.4

7,649.68

2,491.48

9,287.80



16 Number of long-term SNOTEL stations that reported record low peak snowpack.

64% increase in the percent of the state in severe drought from Oct 1 - Sep 30.

46 days 3 wildfires

Number of days in a row without any precipitation reported at Gateway, October 3 – November 17.

450,000 acre feet

volume lost from Blue Mesa Reservoir, almost half its maximum capacity.

cracked the top 10 list for largest state wildfires on record. Spring Creek, 416, and MM 117 burned more than 200,000 acres in 2018.

Colorado Water Year 2018

By The Numbers

74°F

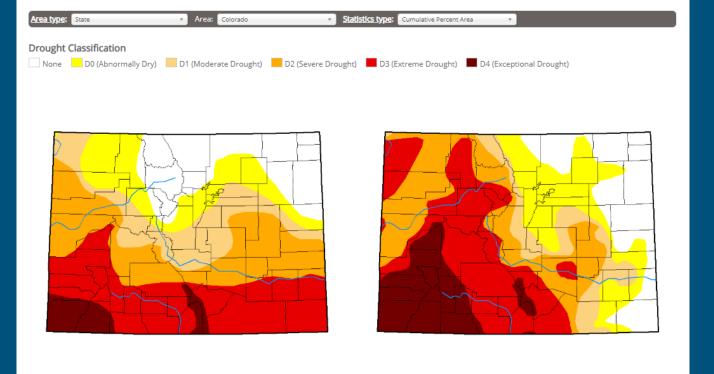
All-time highest minimum temperature ever recorded at Trinidad Perry Stokes Airport on June 28.

Number of 2 inch or larger hail reports made, which is more than double the average of 26.

77.1mph Highest wind gust in 30 years reported at La Junta on April 17.

Current Conditions

and projections





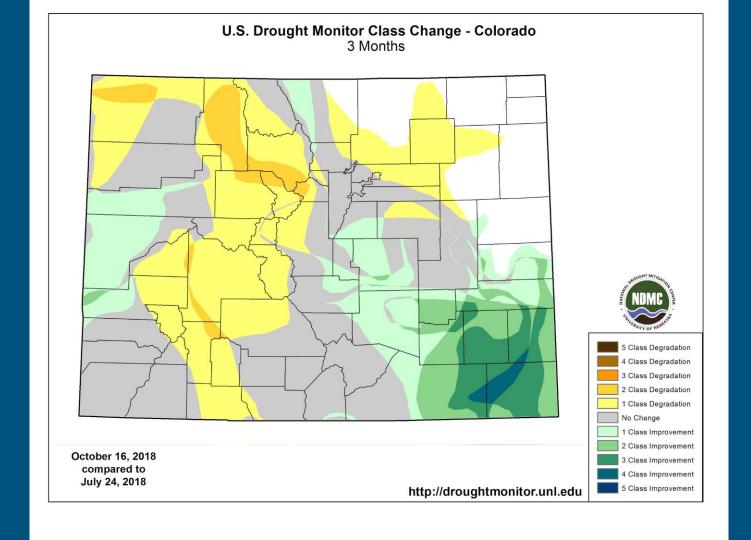
May 1, 2018 ▼

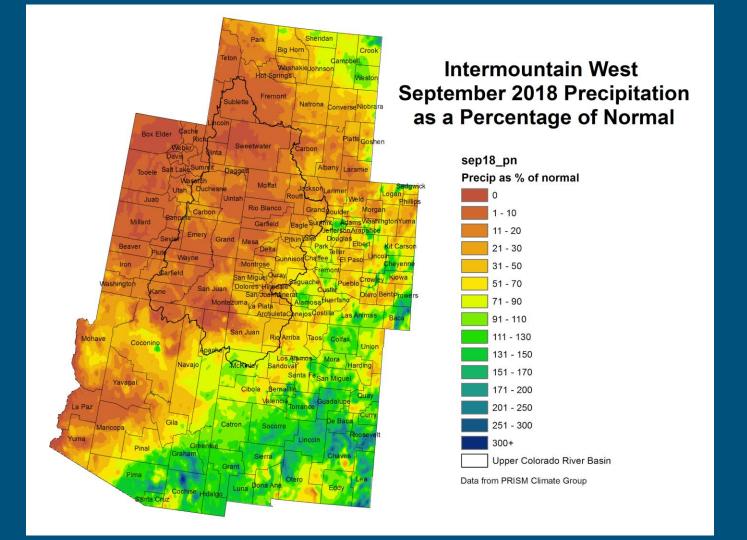


October **1**6, 2018 ▼ **>>**

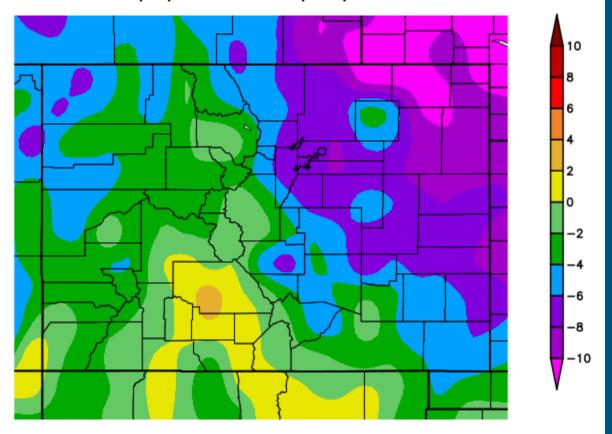
Statistics Comparison

Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	<u>DSCI</u>
2018-05-01	18.47	81.53	67.98	53.65	30.89	5.02	239
2018-10-16	16.64	83.36	67.83	59.23	39.09	13.64	263
Change	-1.83	1.83	-0.15	5.58	8.20	8.62	24

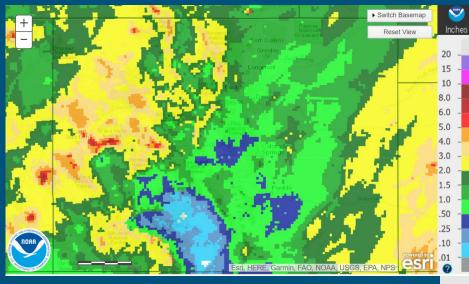




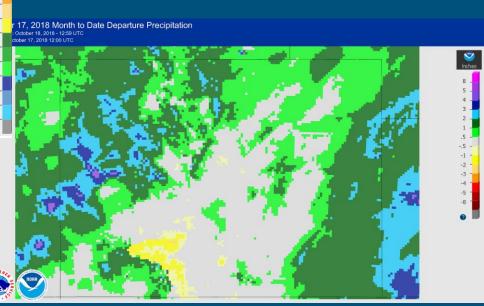
Departure from Normal Temperature (F) 10/1/2018 - 10/16/2018



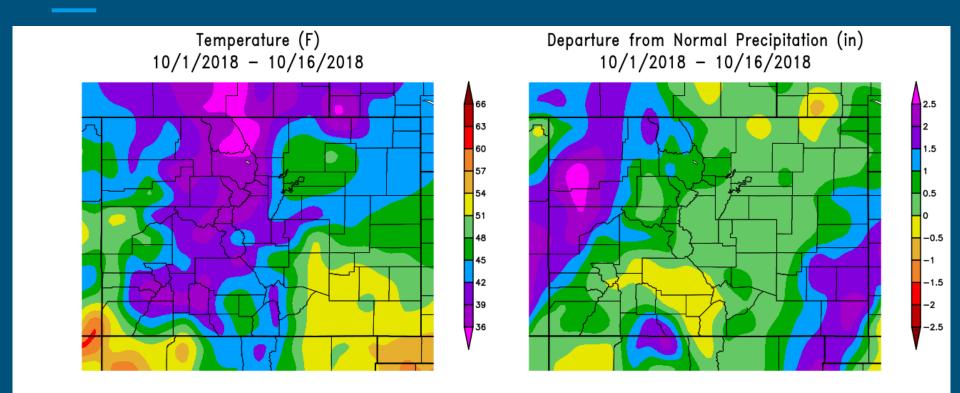
Month to date Precipitation



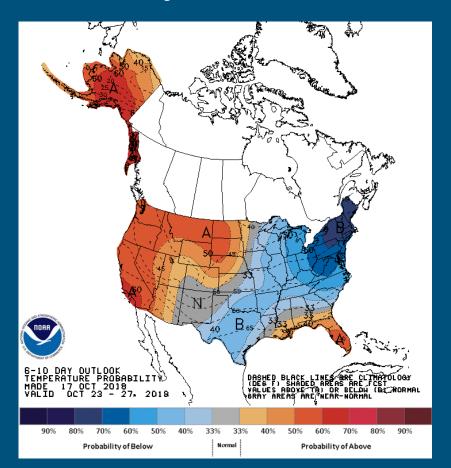
Total Precip.

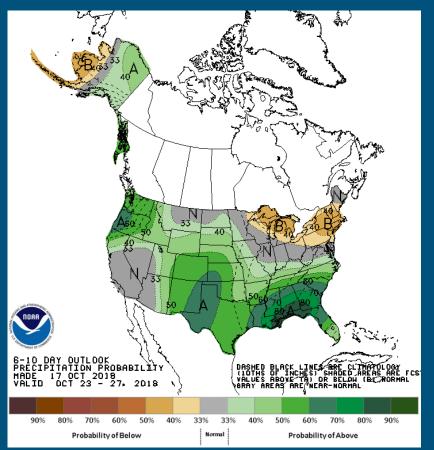


Month to date Temperature

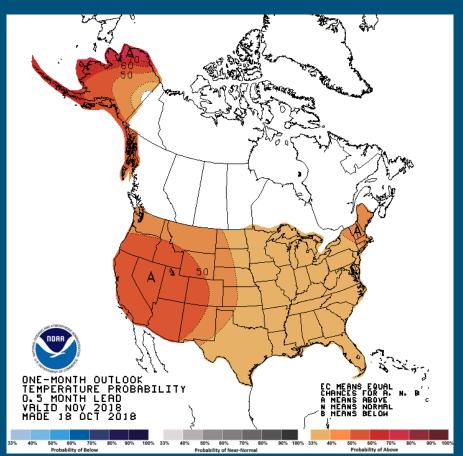


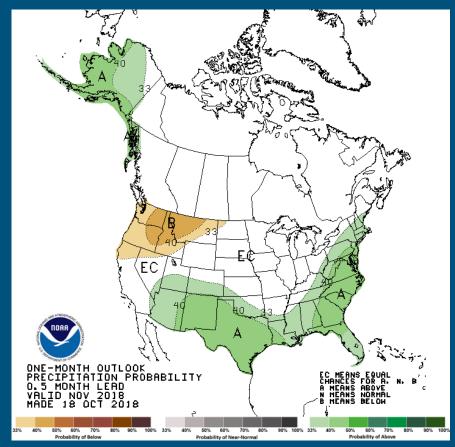
6-10 day outlook

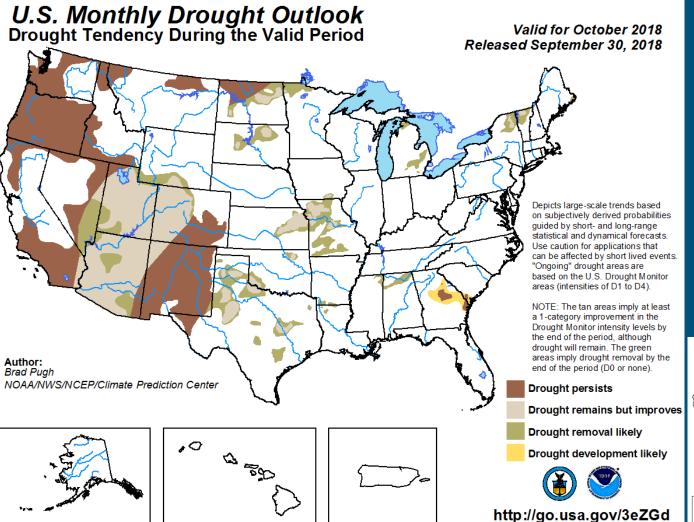




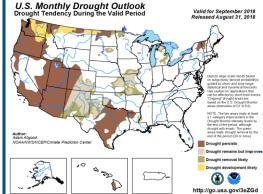
One month outlook





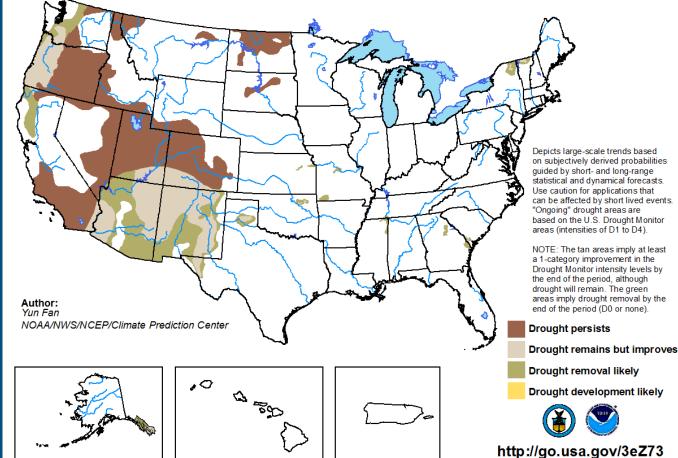


Last month's outlook below

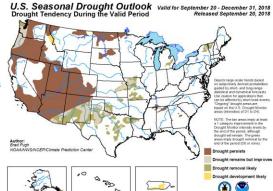


U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period

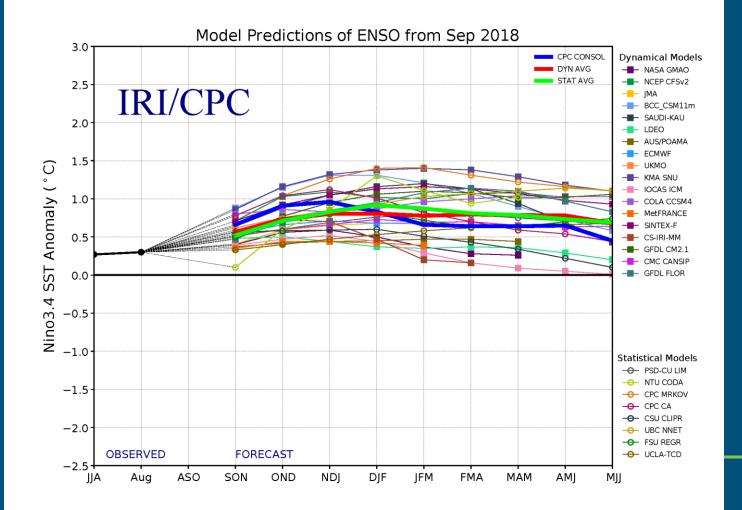
Valid for October 18 - January 31, 2019 Released October 18, 2018



Last month's outlook below



http://go.usa.gov/3eZ73



The majority of models predict El Niño to develop during September-November 2018.

Official forecast is a 70-75% chance of El Niño for winter

In general, El Nino winters are wetter than normal in southern mountains and often also on eastern Plains; less connection for northern/central mtns

Questions?