Colorado Climate & Drought Update

Becky Bolinger

Extension Drought Task Force Webinar April 6, 2018

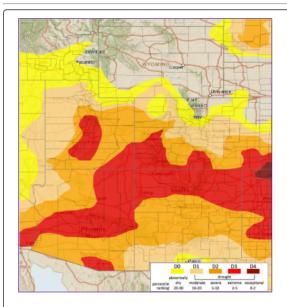




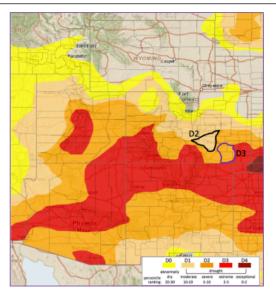
NIDIS Intermountain West Drought Early Warning System April 3, 2018



COLORADO CLIMATE CENTER



Current U.S. Drought Monitor Depiction ①



Recommended Changes ①

Summary: April 3, 2018

The precipitation pattern that has dominated the Intermountain West region since the beginning of the water year continued for the month of March. For the most part, areas to the north saw near to above average precipitation, while areas to the south remained drier than average. A couple of areas of note are the central and northern ranges of Utah, which received widespread near average precipitation and a slight rebound in snowpack percentiles. However, WYTD precipitation at SNOTEL sites throughout UT are still mostly below the 10th percentile.

March typically begins the ramp-up of spring precipitation to help kick-start the growing season. But for many areas of southern CO, eastern NM, and southern AZ, March precipitation was less than 20% of average. As we continue toward summer, these deficits become harder to make up. On the east side of the IMW, WYTD precipitation deficits from southeast CO and eastern NM range from 2 to 3.5 inches. Around the Four Corners and down into the higher elevations of NM and AZ, WYTD deficits range from 4 to 9 inches - amounts that are unlikely to be made up prior to the start of the monsoon season.

Fire danger has been a major concern, especially for eastern areas of the IMW that saw a much wetter than average summer (which helped grow fuels)

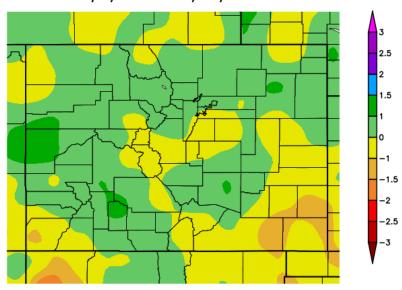
Recent Climate

February and March temperature and precipitation

climate.colostate.edu/~drought



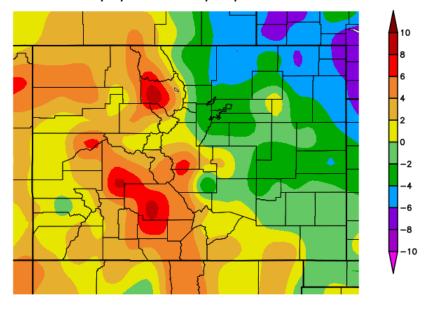
Monthly SPI 2/1/2018 - 2/28/2018



Generated 3/20/2018 at HPRCC using provisional data.

NOAA Regional Climate Centers

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

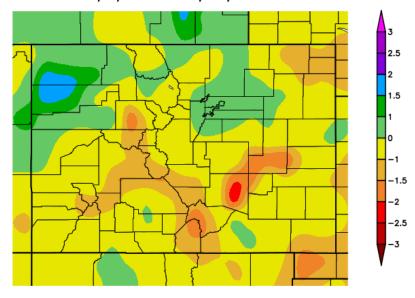


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NOAA Regional Climate Centers



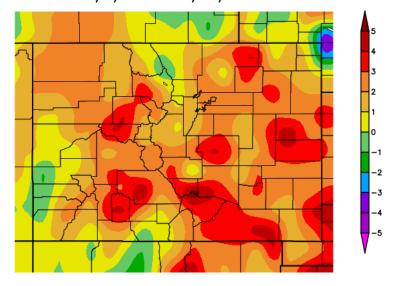
Monthly SPI 3/1/2018 - 3/31/2018



Generated 4/6/2018 at HPRCC using provisional data.

NOAA Regional Climate Centers

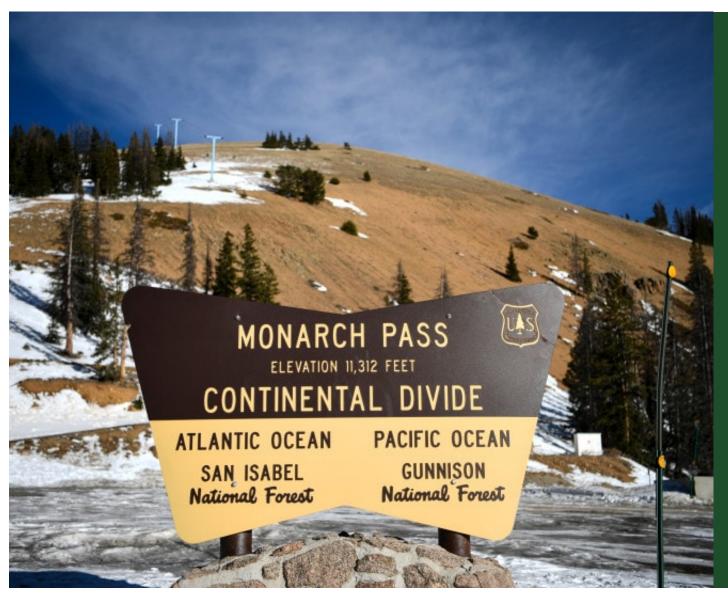
Departure from Normal Temperature (F) 3/1/2018 - 3/31/2018



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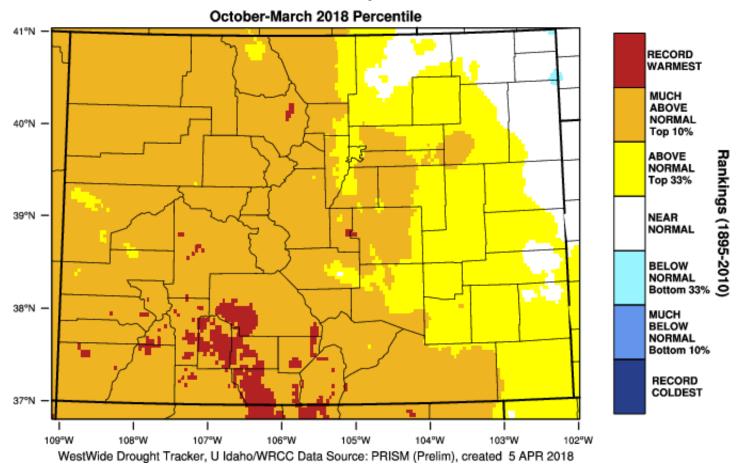


COLORADO CLIMATE CENTER

Water-Year-to-date



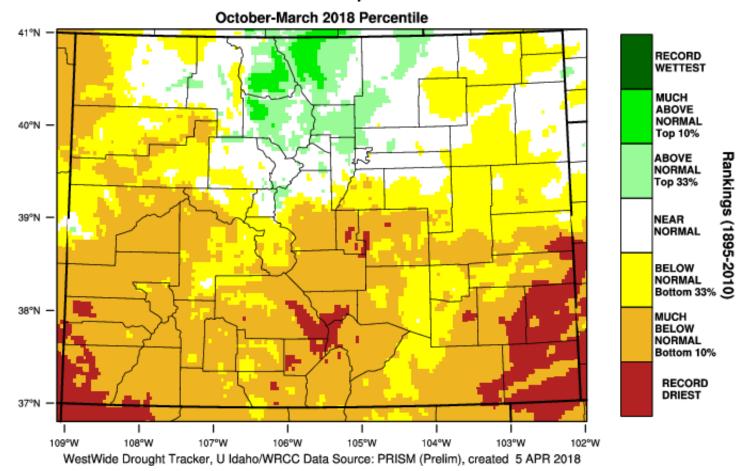
Colorado - Mean Temperature





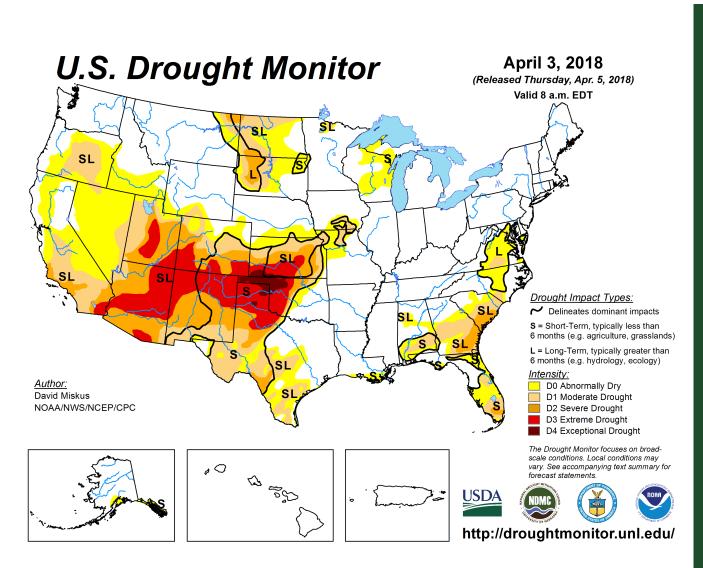


Colorado - Precipitation









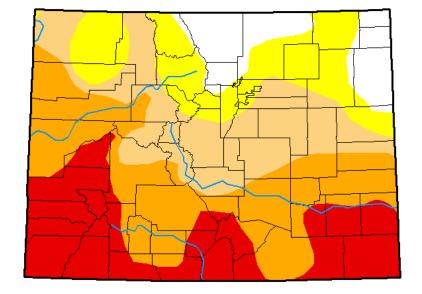
COLORADO CLIMATE CENTER

Drought

Evolution and current drought conditions



U.S. Drought Monitor Colorado



April 3, 2018

(Released Thursday, Apr. 5, 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	73.67	51.56	23.63	0.00
Last Week 03-27-2018	9.65	90.35	73.50	48.55	20.61	0.00
3 Month's Ago 01-02-2018	6.57	93.43	33.53	7.27	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 04-04-2017	51.89	48.11	21.88	3.03	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



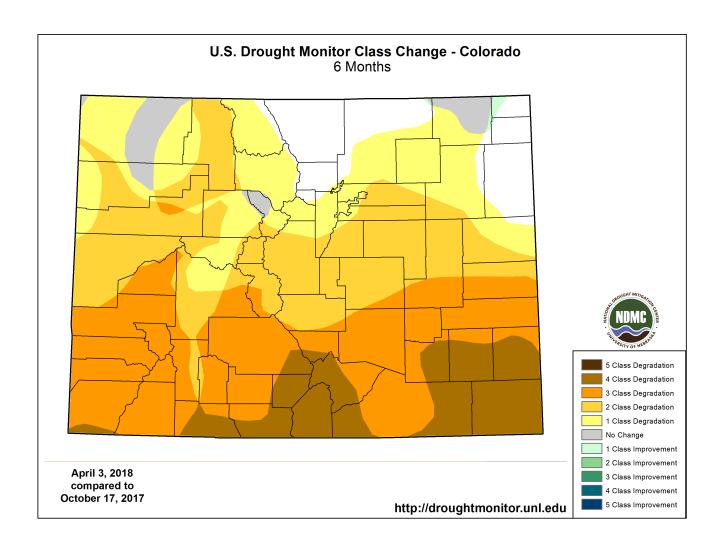






http://droughtmonitor.unl.edu/







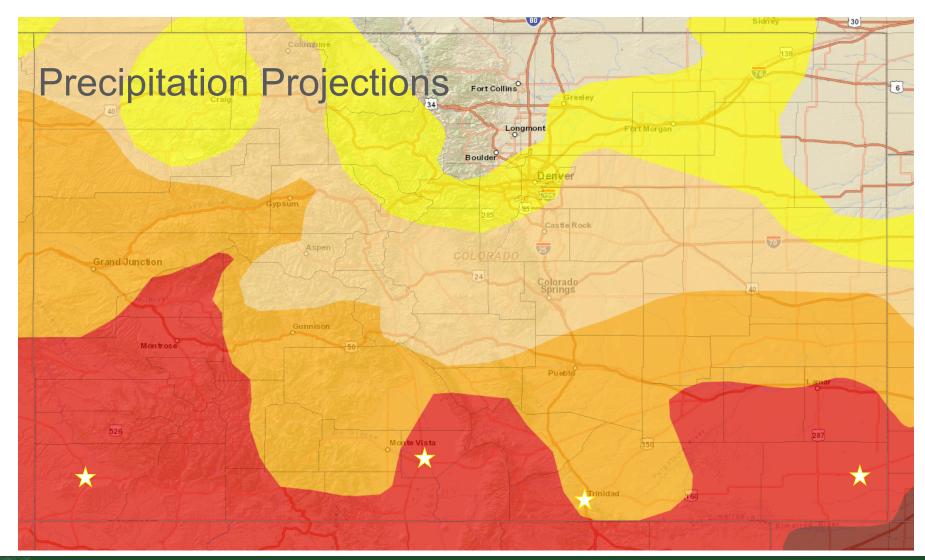




Outlook

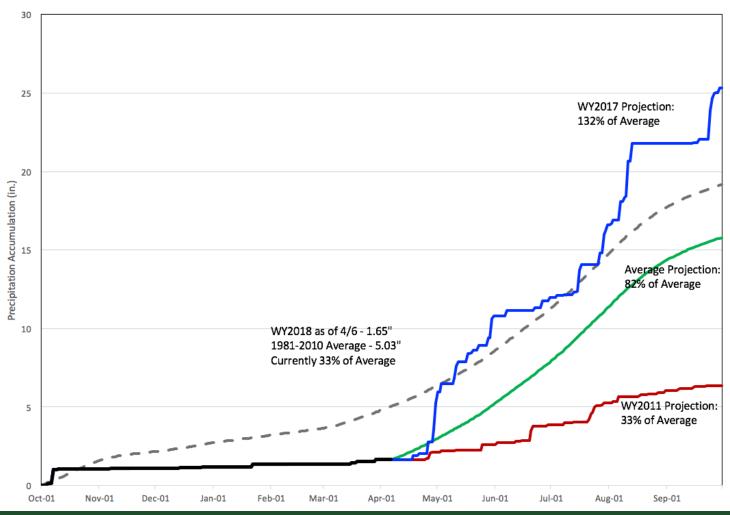
Precipitation
Projections and
Climate Prediction
Center's Outlook



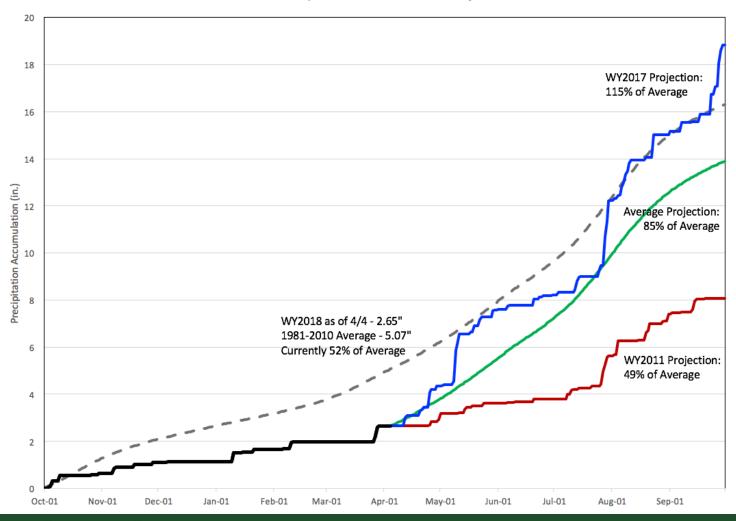




WALSH 1 W Precipitation Accumulation Projections

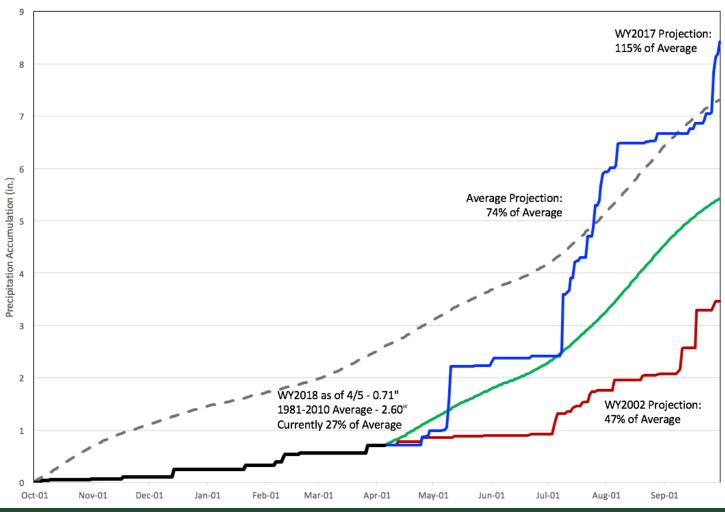


TRINIDAD Precipitation Accumulation Projections

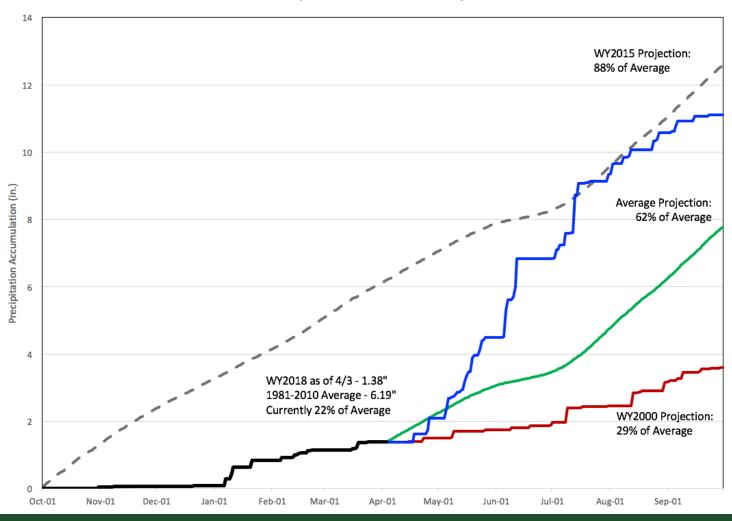




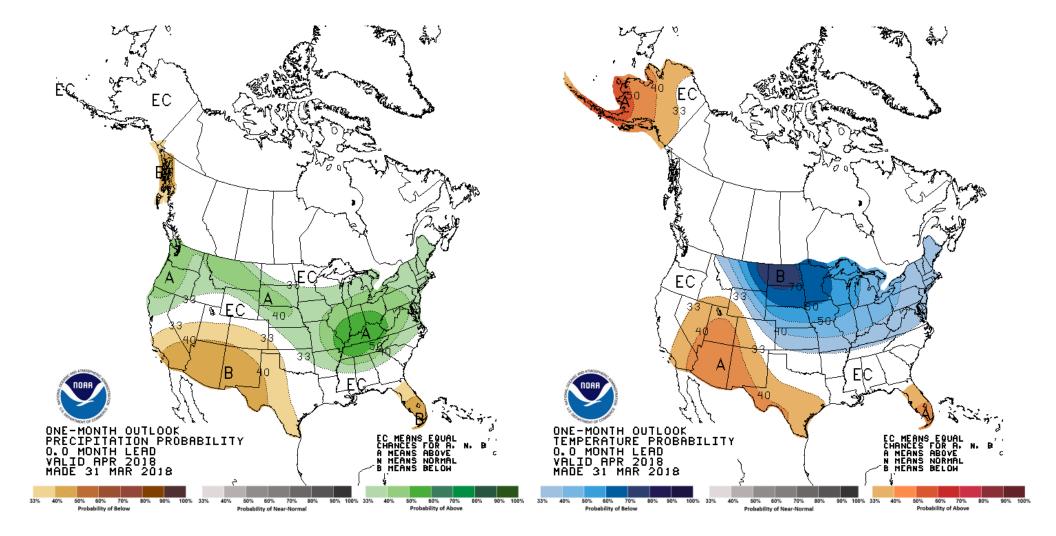
ALAMOSA SAN LUIS AP Precipitation Accumulation Projections



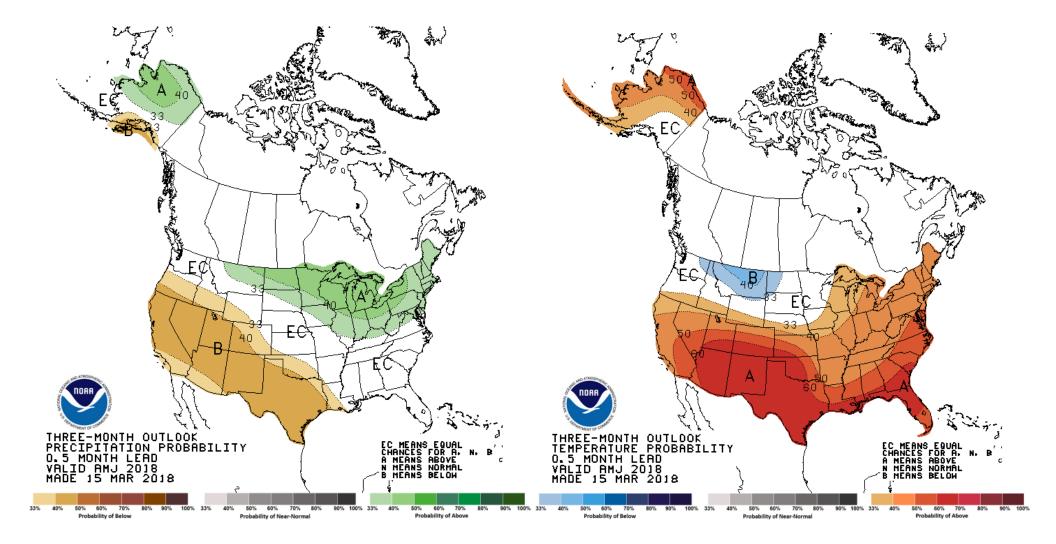
CORTEZ Precipitation Accumulation Projections













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Drought Summary: http://climate.colostate.edu/~drought

Please call or email me your impacts!
Thank you

