Montana DWSAC Briefing

15 May 2018

Weather-Ready Nation

National Oceanic and Atmospheric Administration

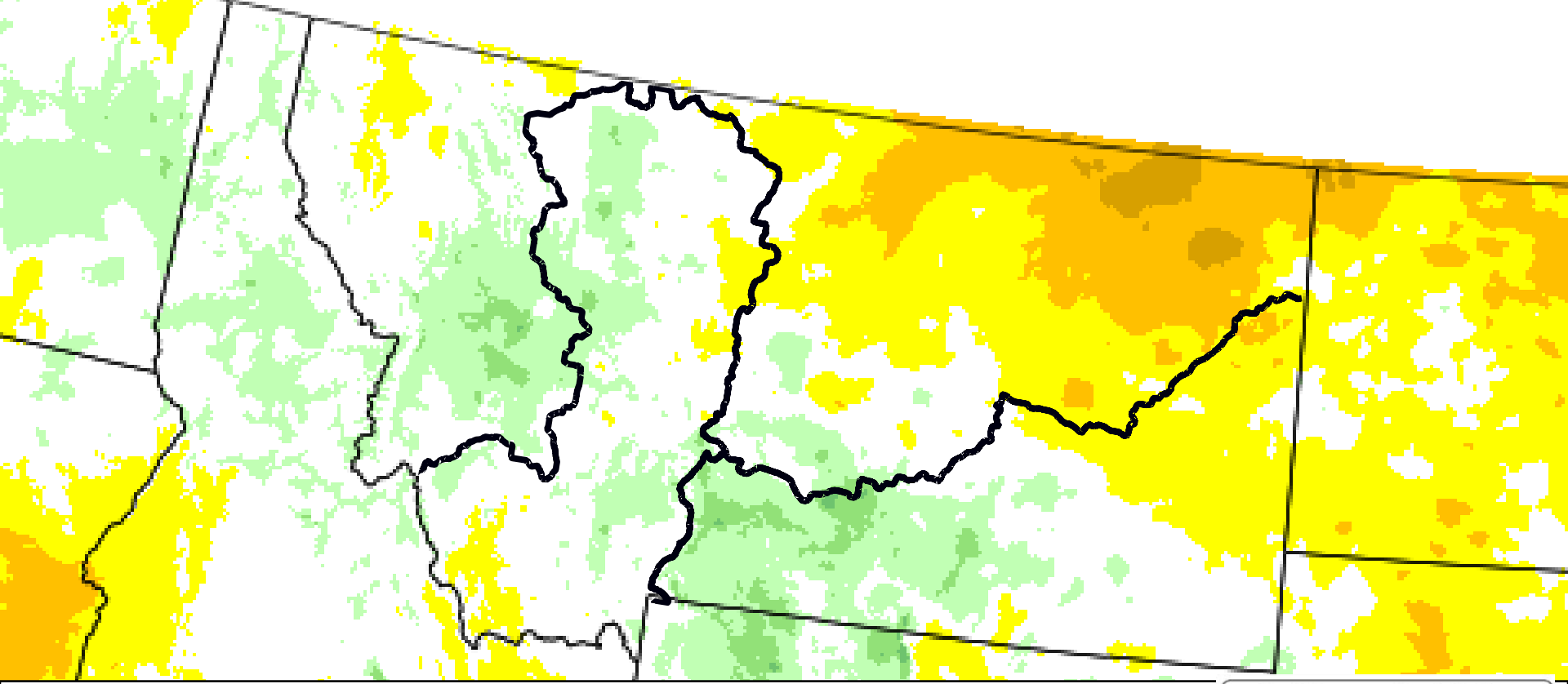
Montana: Mar 2017 – Apr 2018

Both ranked in the “normal” range

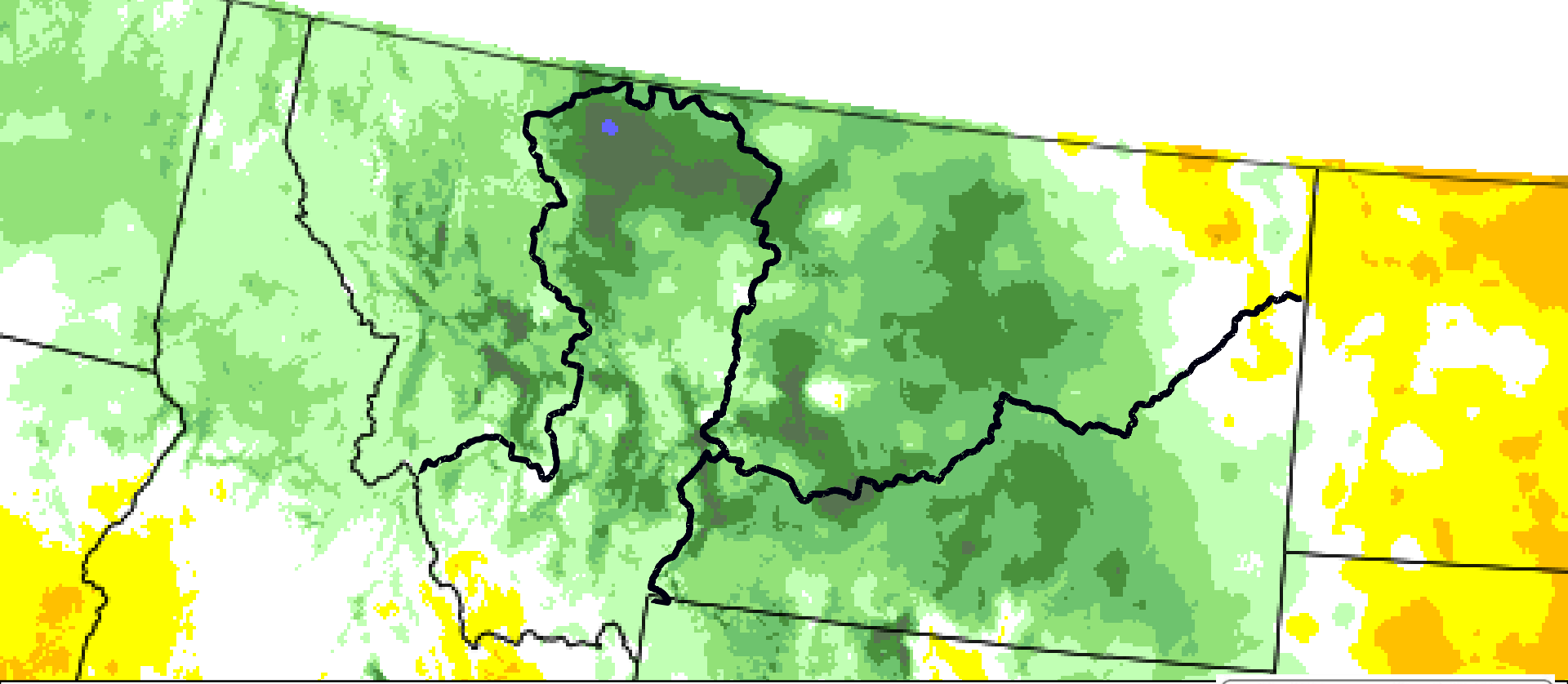
Avg Temp	20th Century Average	Departure
41.6°F	41.2°F	0.4°F

43rd Driest on Record

Precip	20th Century Average	Departure
17.57”	18.66”	-1.09”

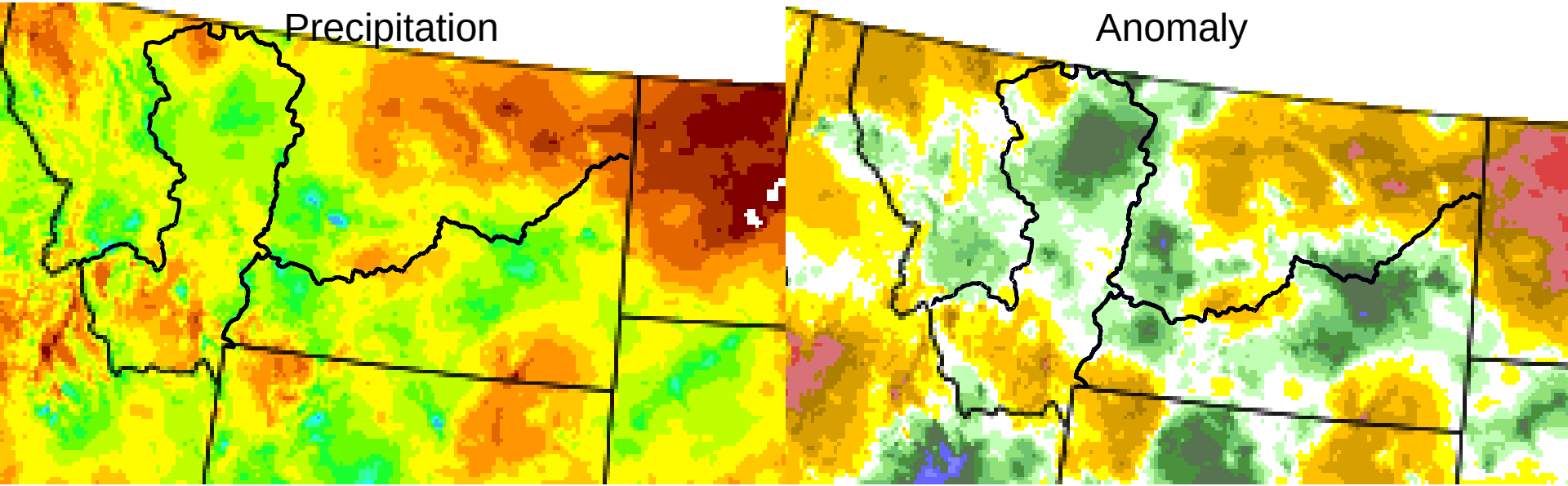


May 17 – Apr 18 Precip Anomaly



2018 Water Year Precip Anomaly

May 2018 Precip vs Anomaly



Monthly Precipitation (in.)

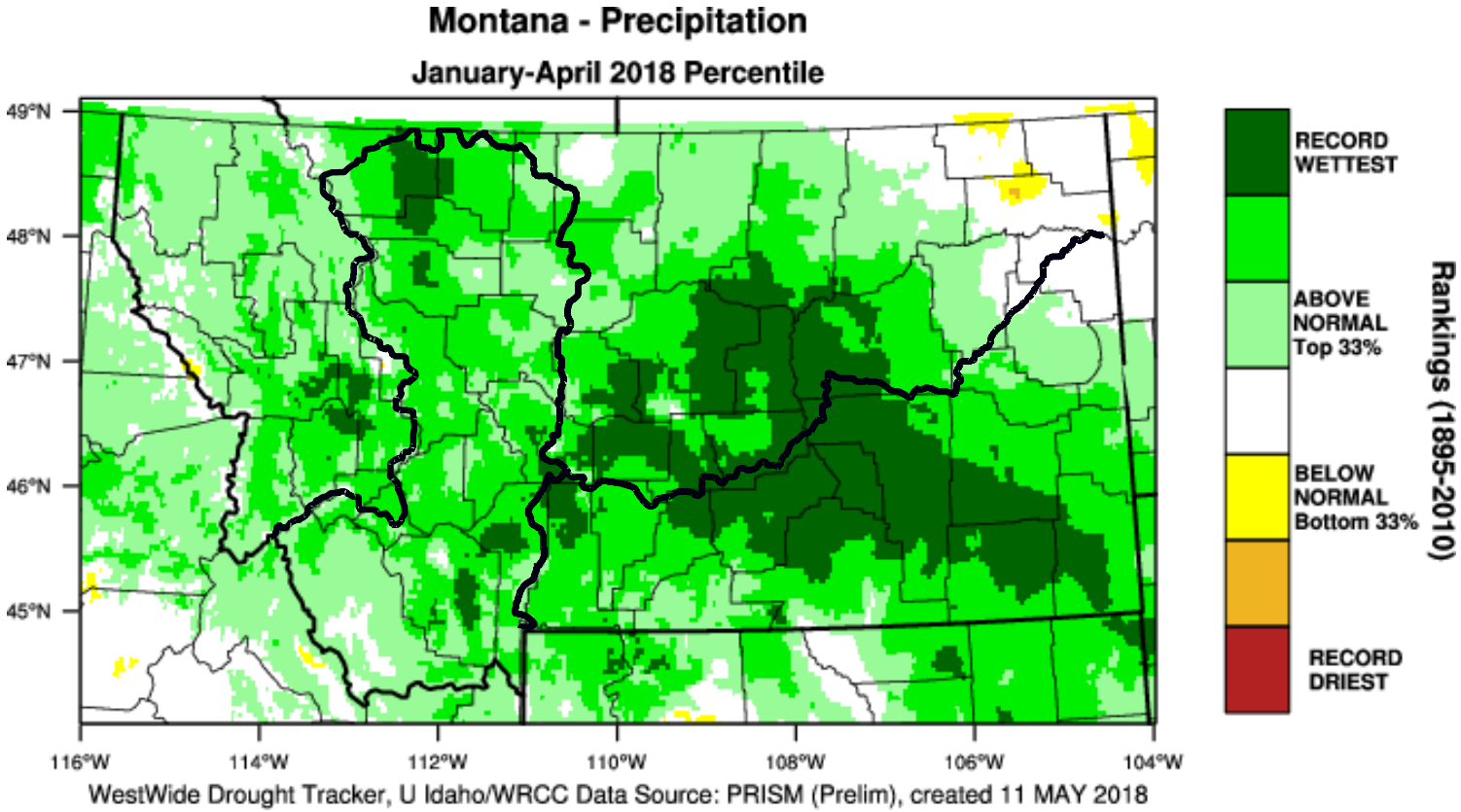
< 0.01	0.6 - 0.8	2.4 - 2.8	6 - 8
.01 - 0.1	0.8 - 1.2	2.8 - 3.2	8 - 12
0.1 - 0.2	1.2 - 1.6	3.2 - 4	12 - 16
0.2 - 0.4	1.6 - 2	4 - 5	16 - 20
0.4 - 0.6	2 - 2.4	5 - 6	> 20

% of Average Precipitation

0	50 - 70	150 - 170
1 - 10	70 - 90	170 - 200
11 - 20	90 - 110	200 - 300
20 - 30	110 - 130	300 - 400
30 - 50	130 - 150	> 400

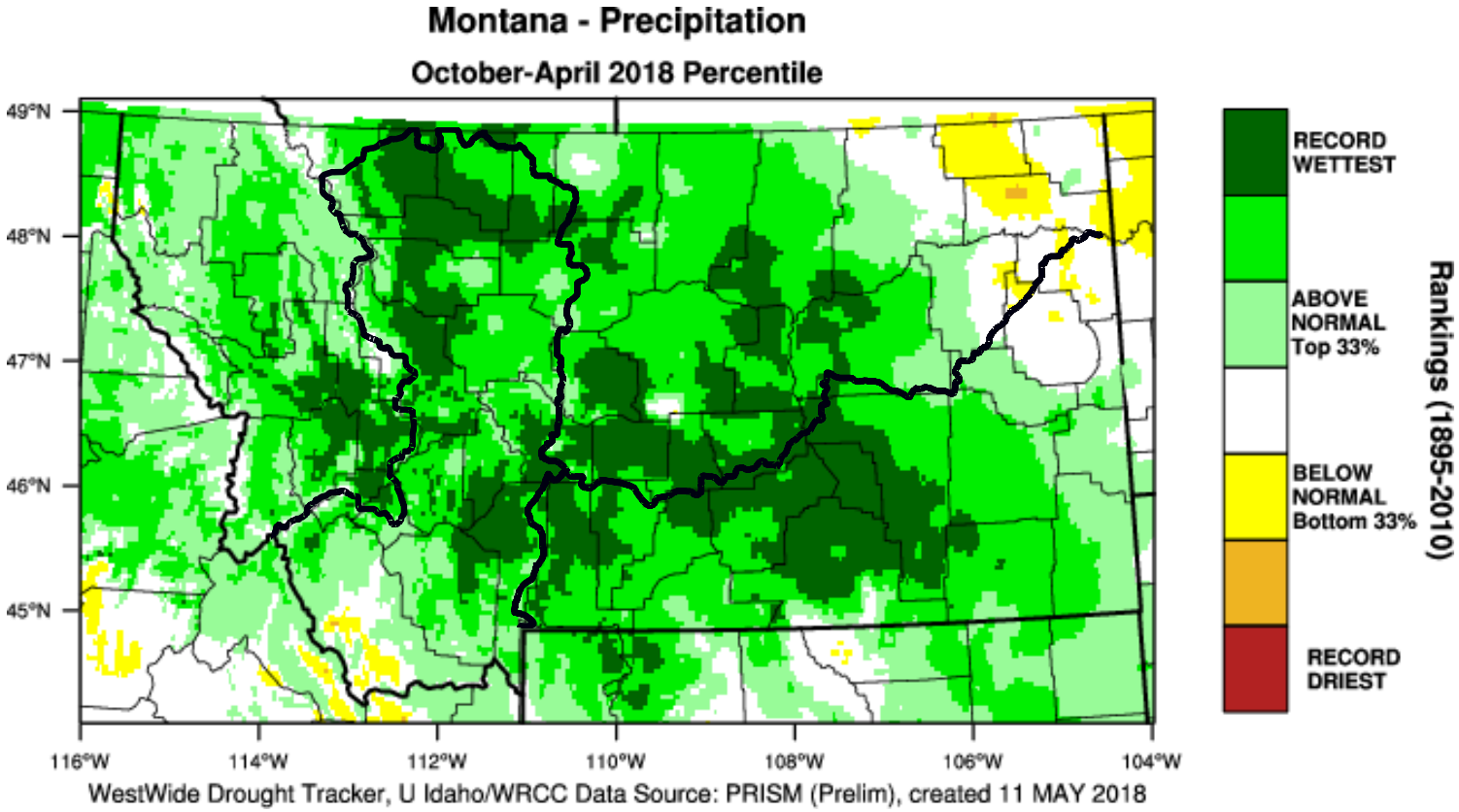
Precipitation Ranking

Calendar Year 2018



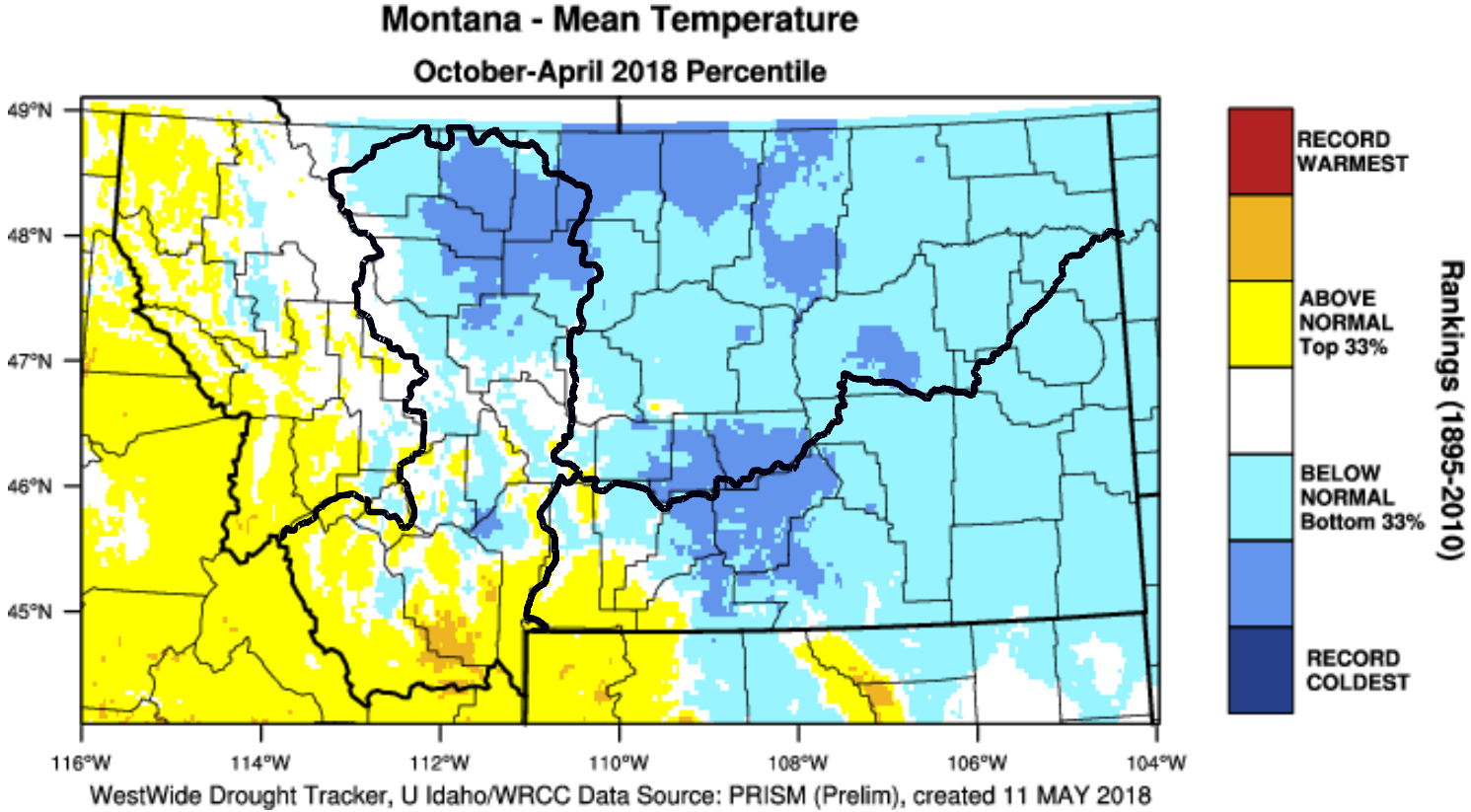
Precipitation Ranking

Water Year 2018



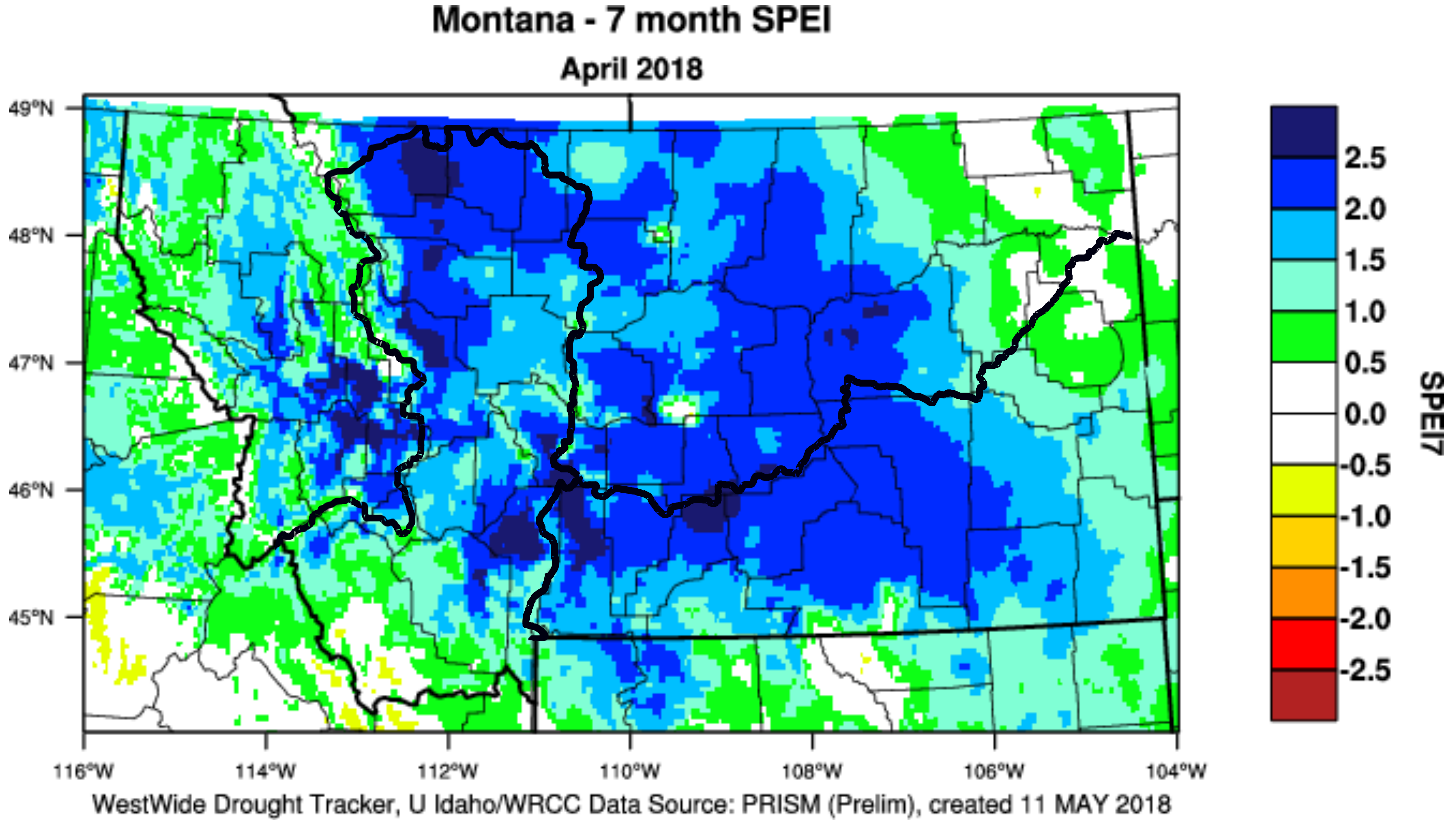
Mean Temperature Ranking

Water Year 2018



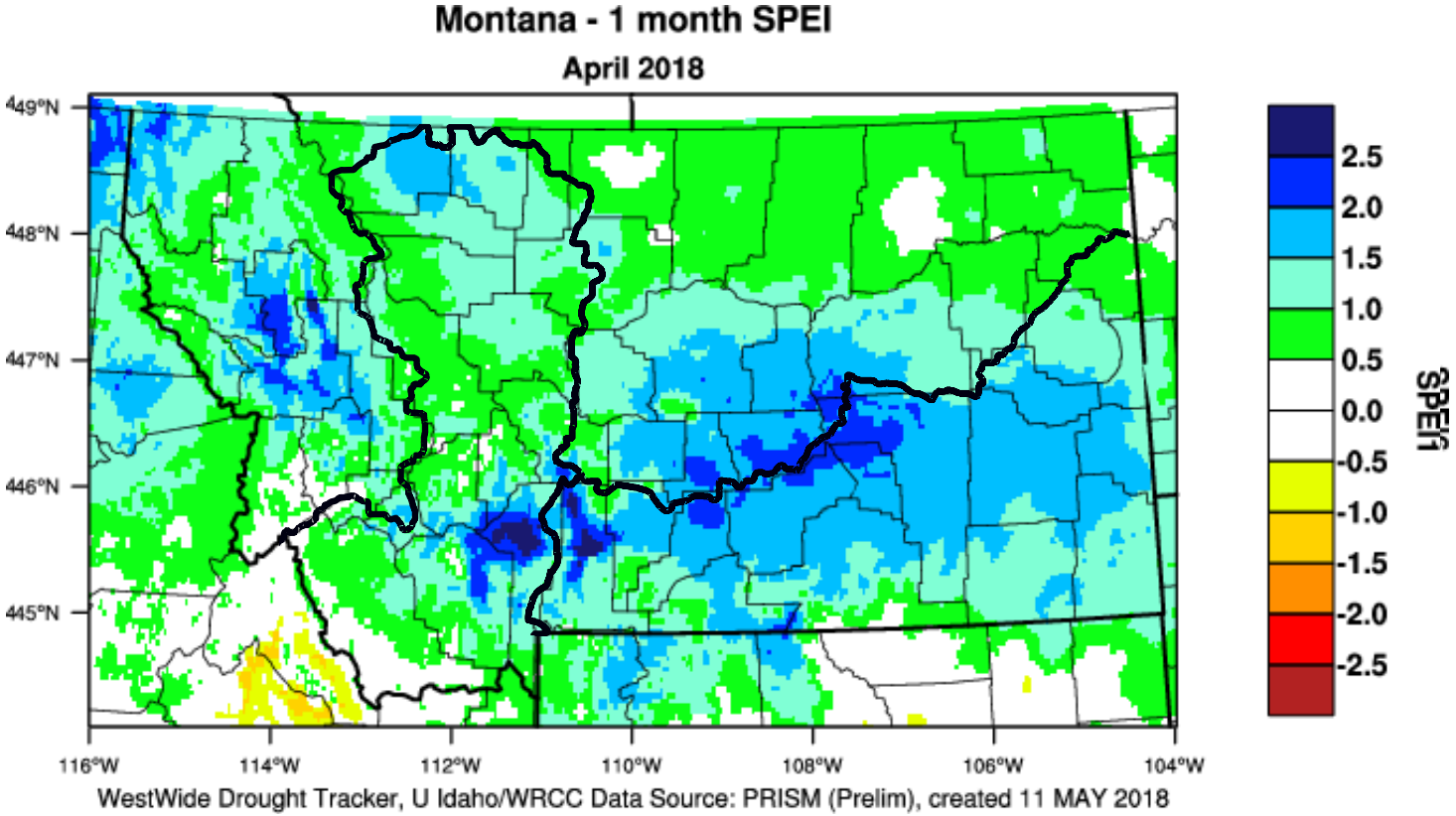
PRISM SPEI

Water Year 2018



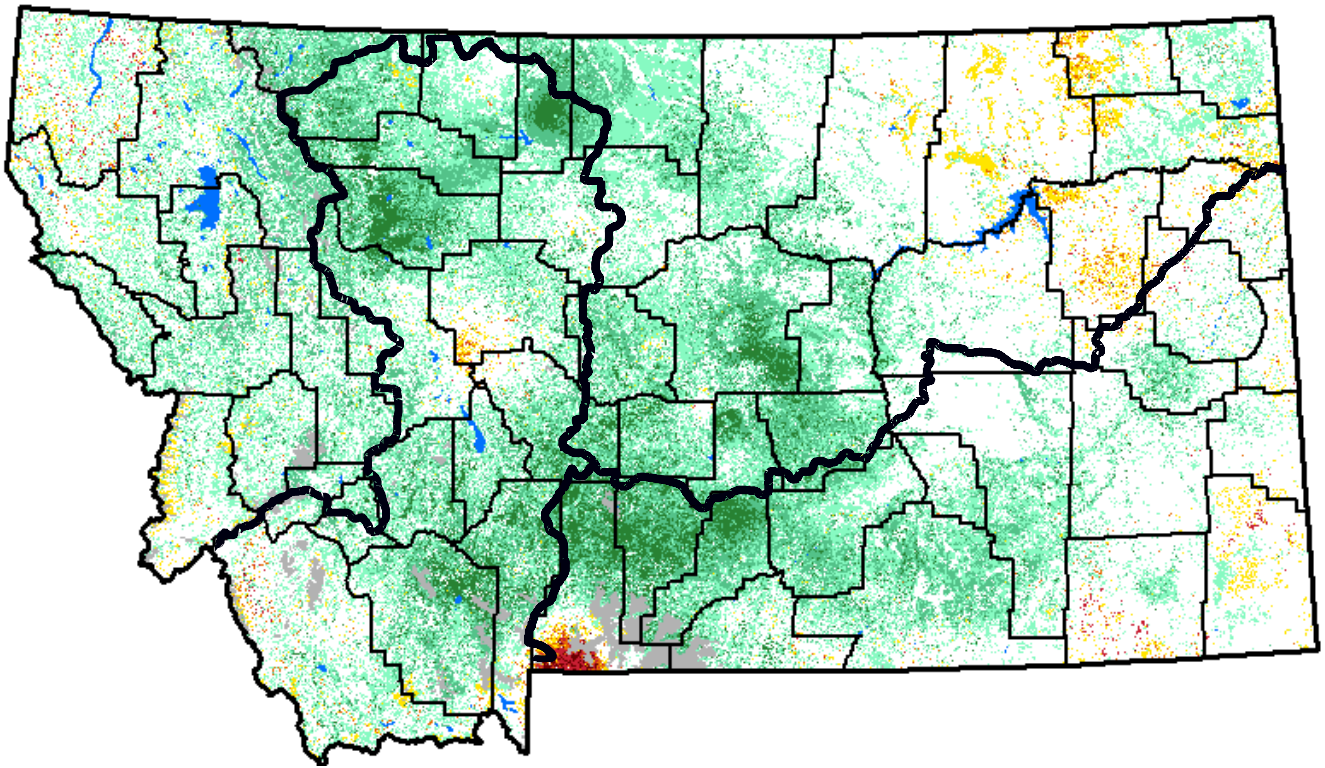
PRISM SPEI

March 2018



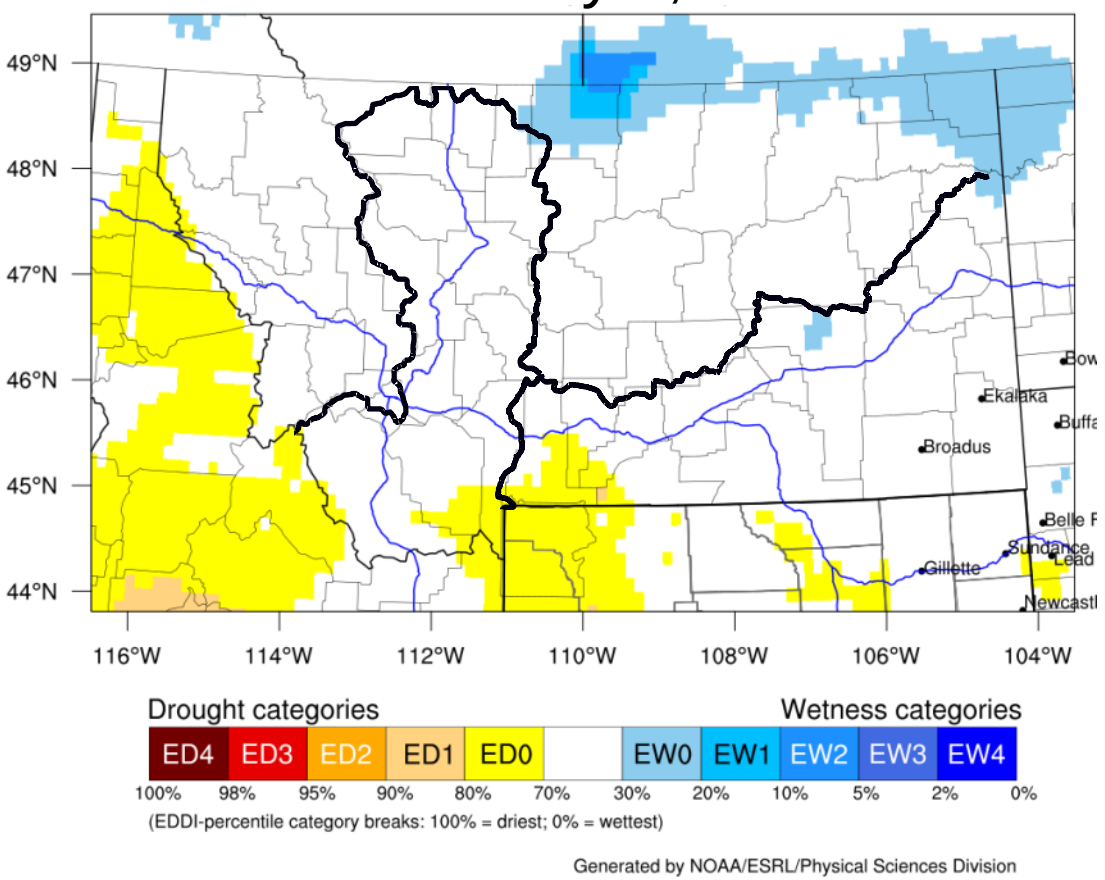
VegDRI

May 13 2018



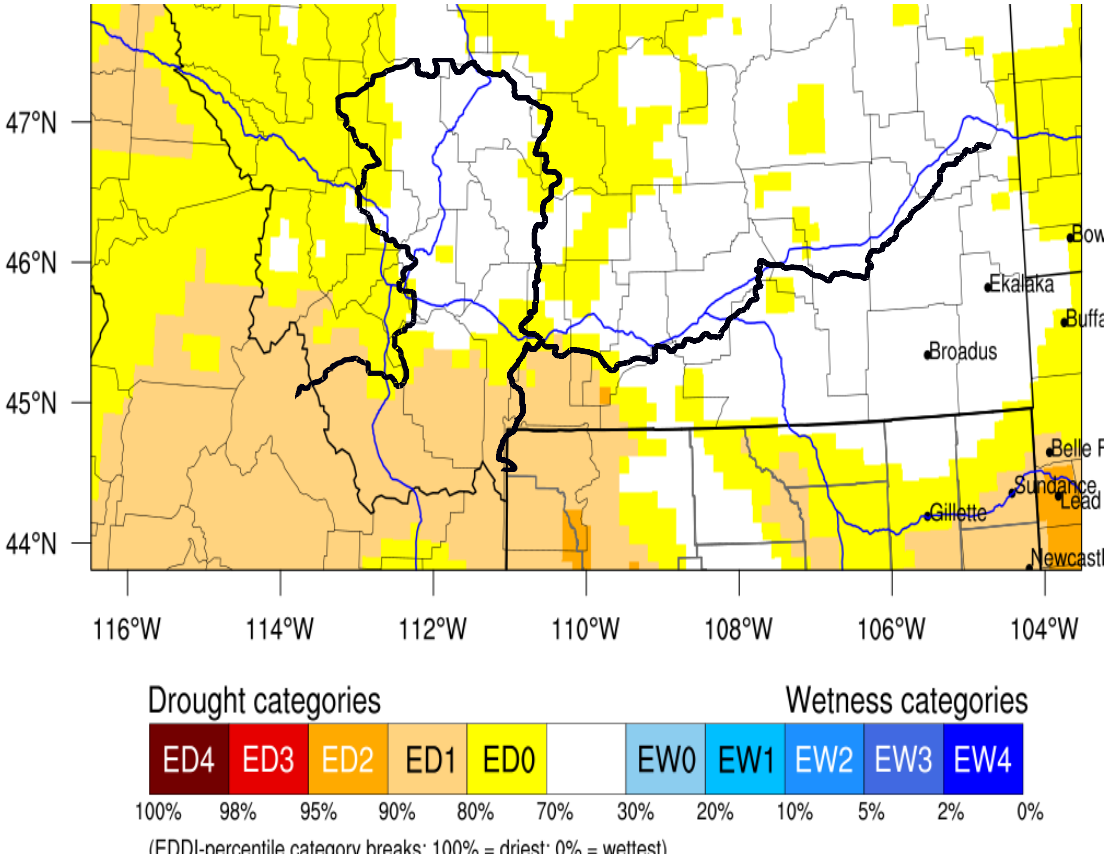
EDDI

1-Month May 9, 2018



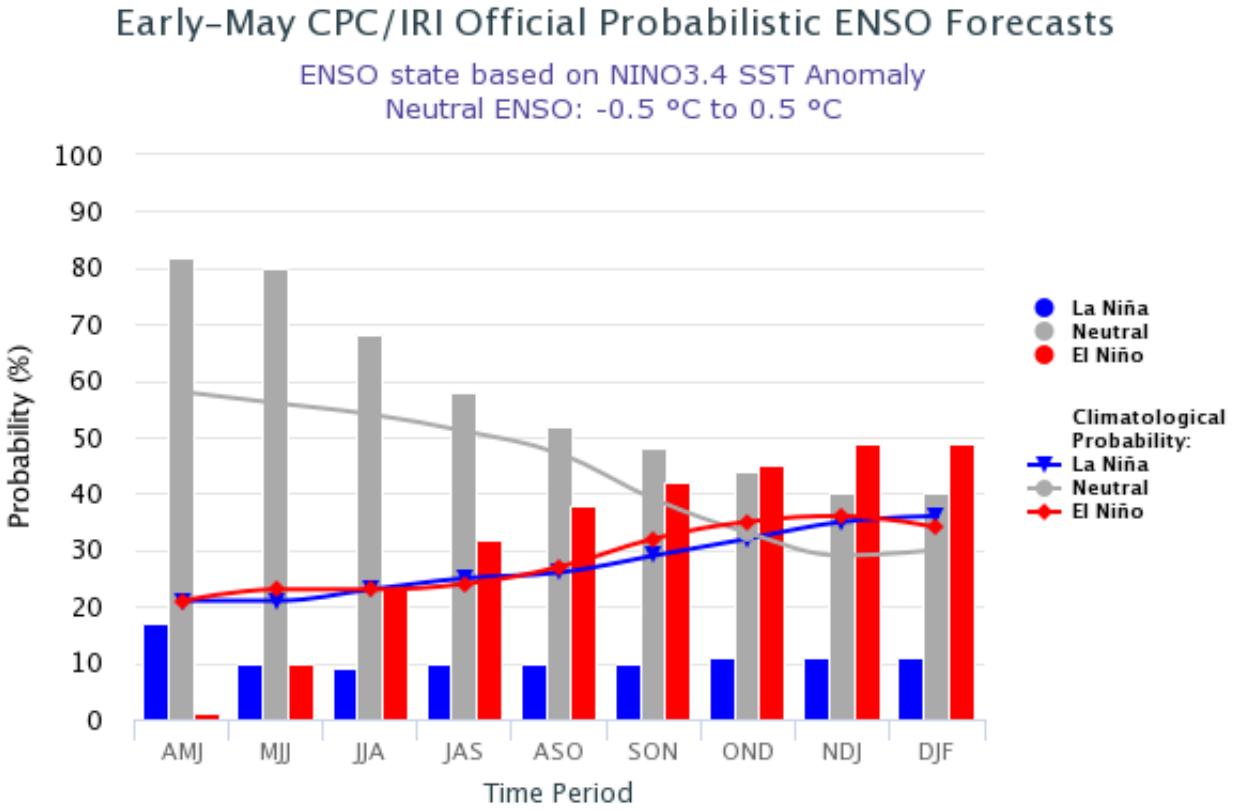
EDDI

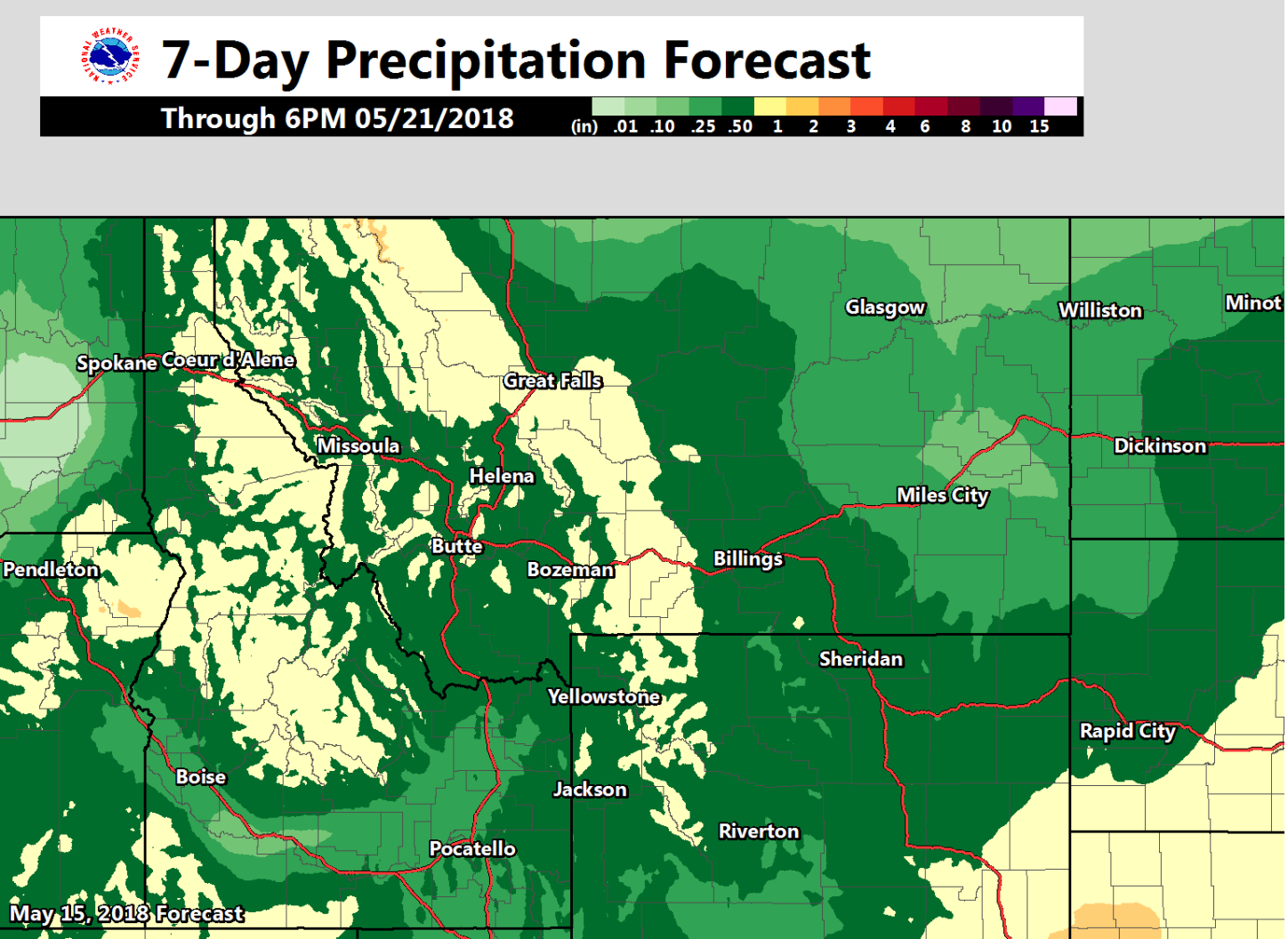
2-Week May 9, 2018



ENSO

La Nina Declining – Neutral Returns



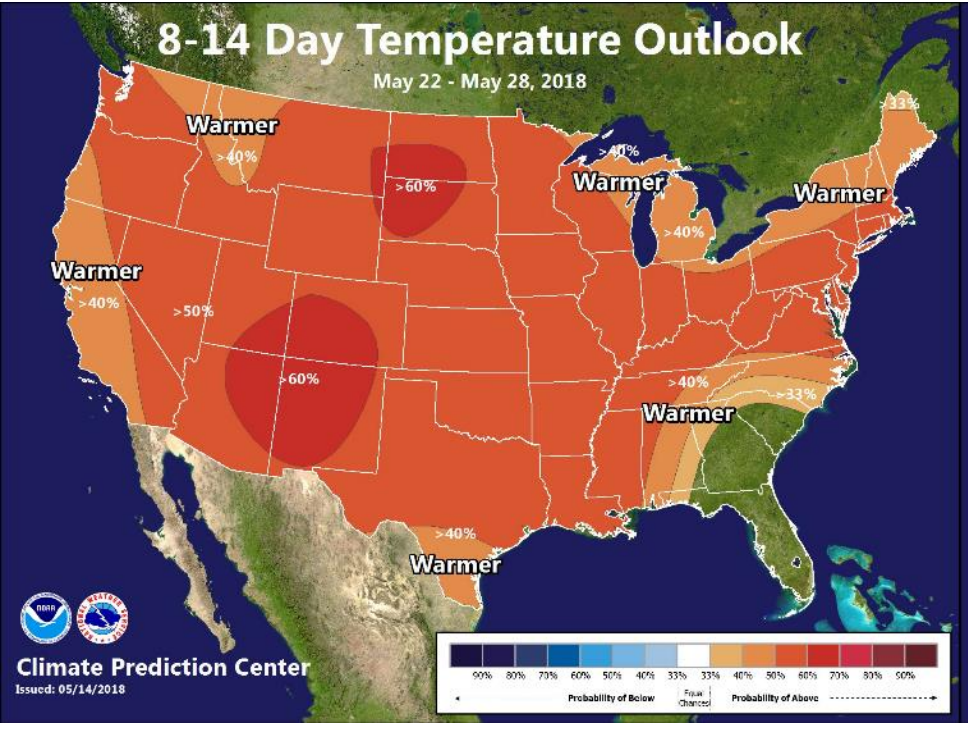


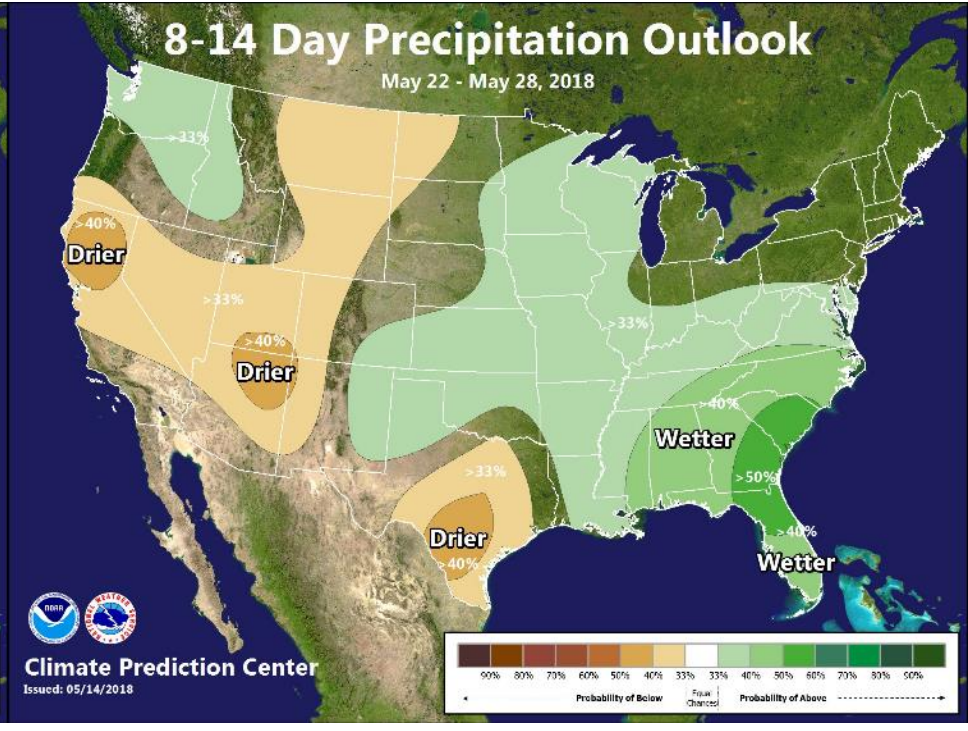
7 Day Precipitation Forecast

Created May 14

8-14 Day Outlook

Created 14 May 2018

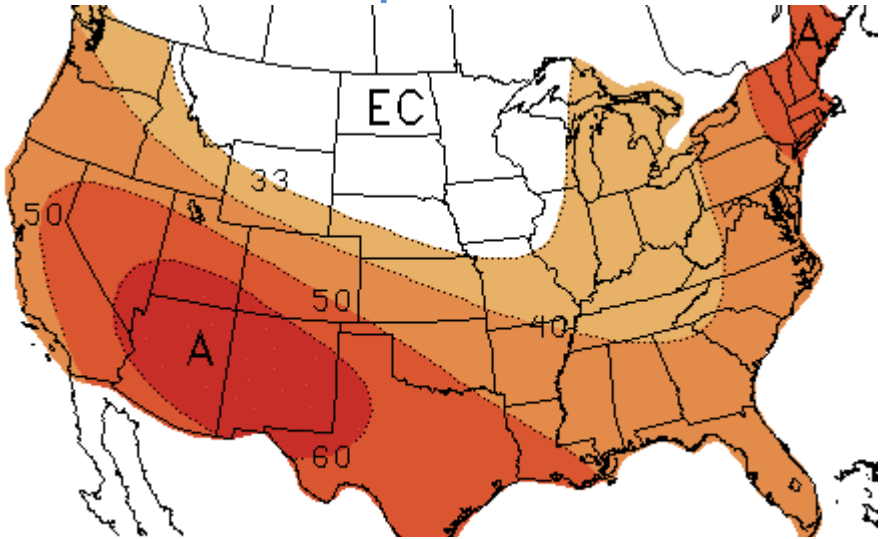




May-Jul Outlook

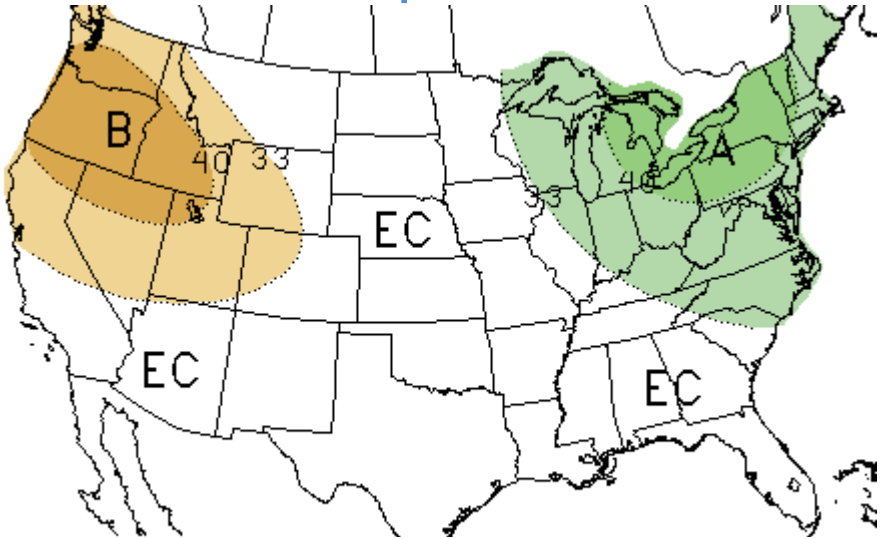
Created April 19

Temperature



Equal chances for above, below or normal temperatures statewide

Precipitation

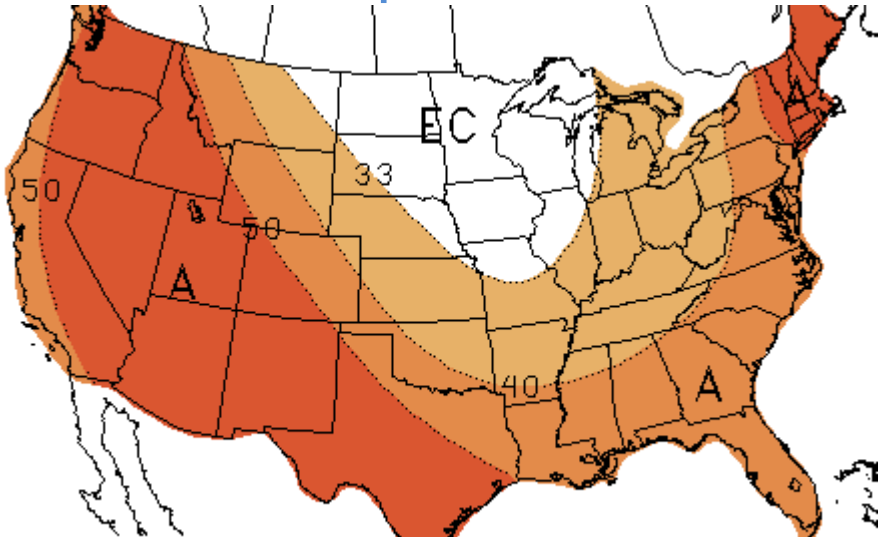


Greater than 33% chance of below normal precipitation western and southwest Montana

Jun-Aug Outlook

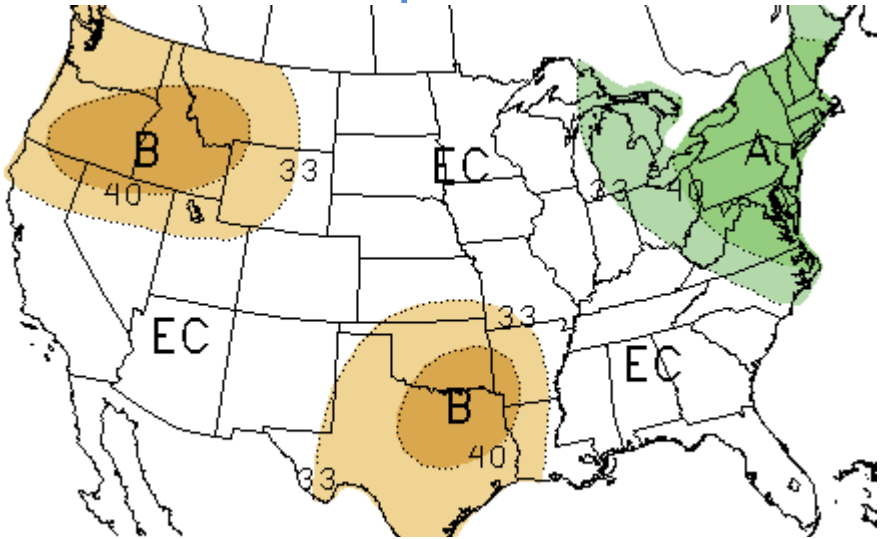
Created April 19

Temperature



33% to 50% chance of above normal temperatures over most of Montana, equal chances over northeast Montana

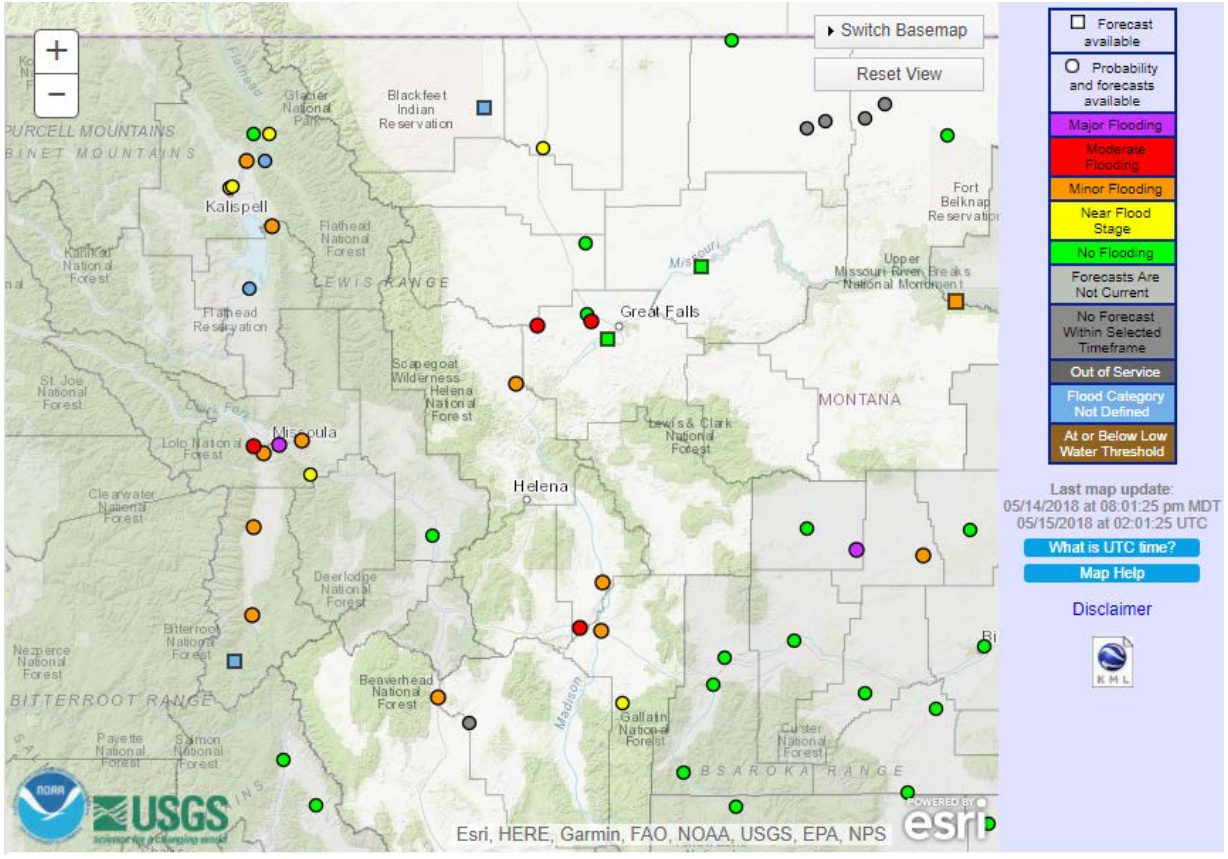
Precipitation



33% to 40% chance of below normal precipitation over most of Montana, equal chances eastern Montana

Forecast Flooding

Created May 14



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Weather-Ready Nation
National Oceanic and Atmospheric Administration