



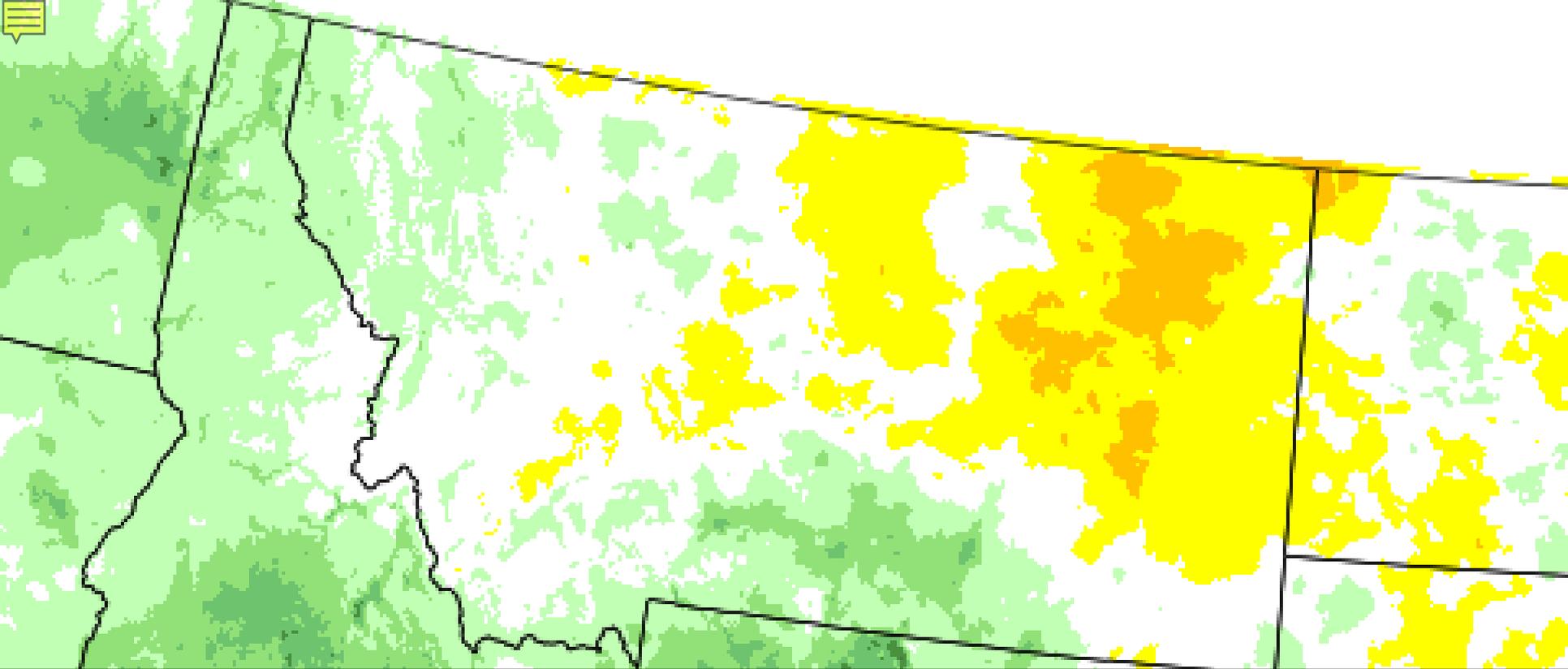
Montana DWSAC Briefing



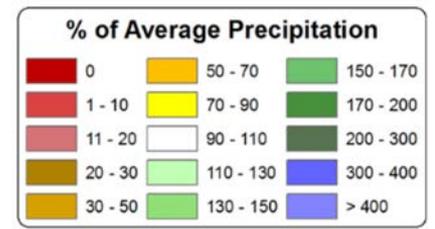
November 2, 2017



Weather-Ready Nation
National Oceanic and Atmospheric Administration



Oct 16 – Sep 17 Precip Anomaly





Montana: Oct 2016 – Sep 2017

15th Warmest on Record

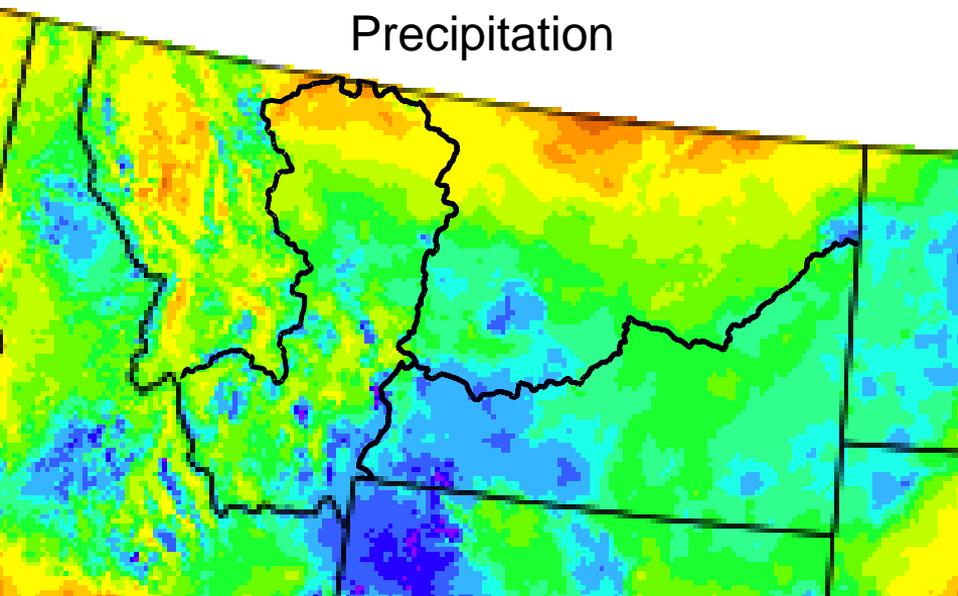
Avg Temp	20 th Century Average	Departure
43.5°F	41.2°F	2.3°F

53rd Driest on Record

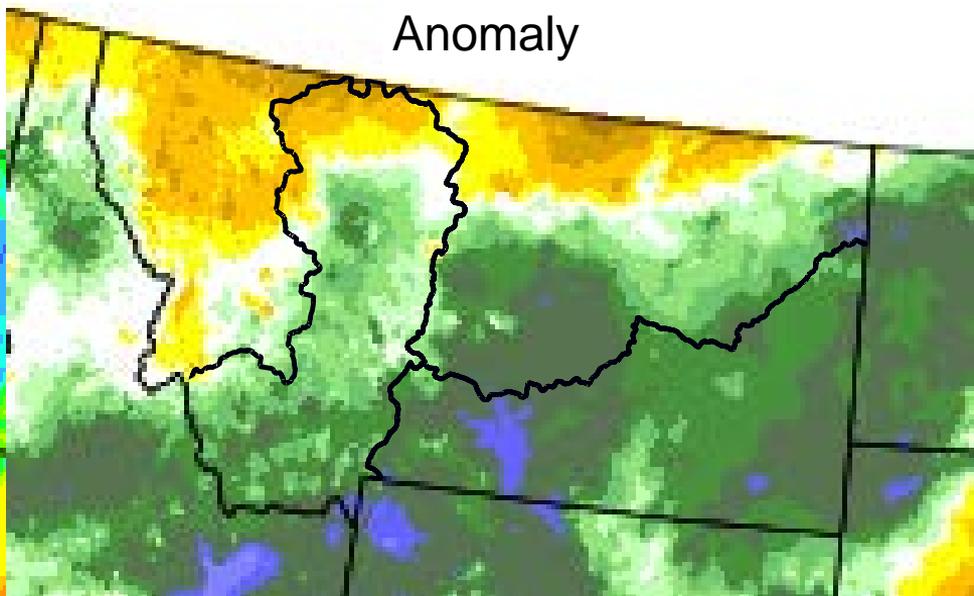
Precip	20 th Century Average	Departure
18.28"	18.65"	-0.37"

Sept 2017 Precip vs Anomaly

Precipitation



Anomaly



Monthly Precipitation (in.)

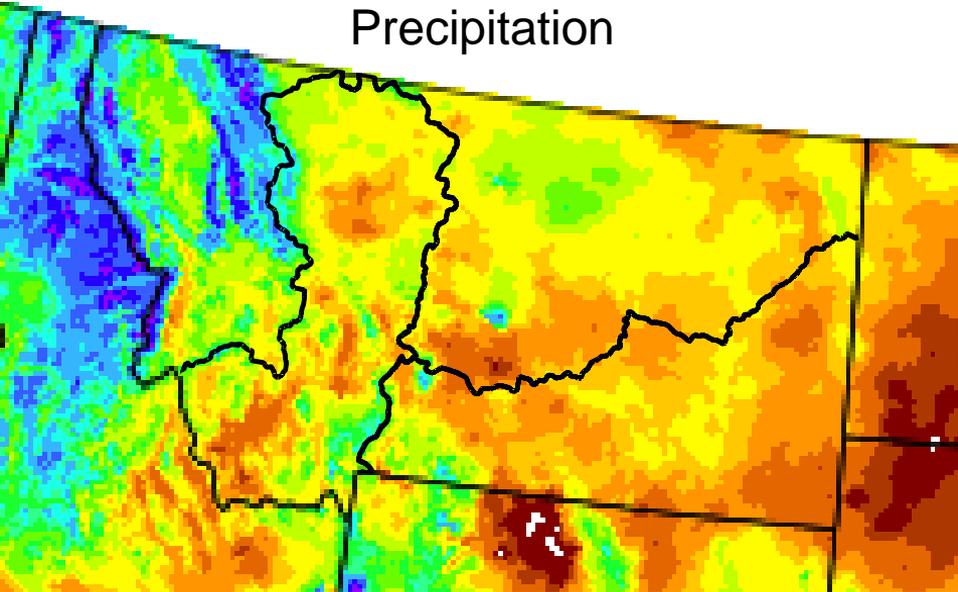


% of Average Precipitation

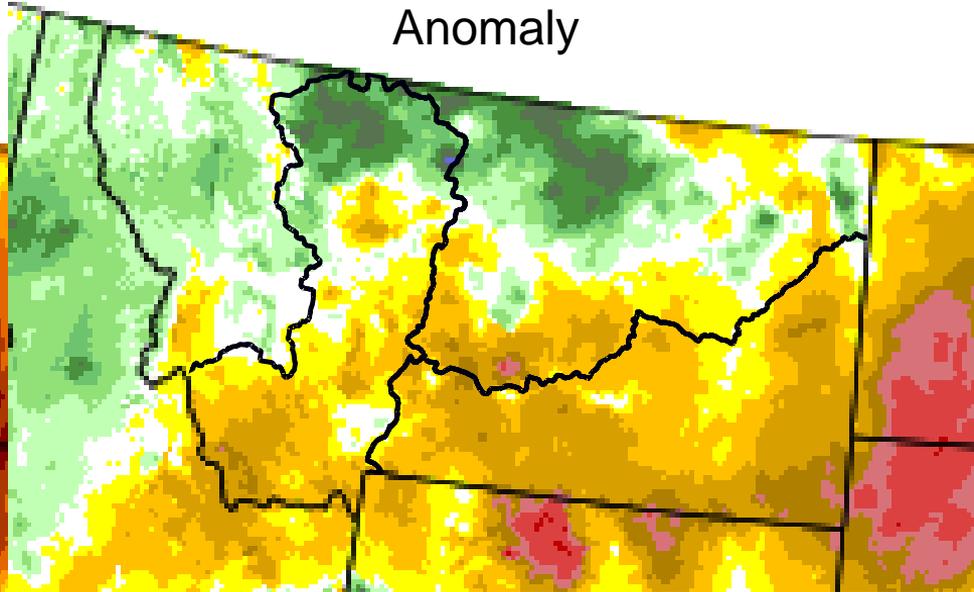


Oct 2017 Precip vs Anomaly

Precipitation



Anomaly



Monthly Precipitation (in.)



% of Average Precipitation



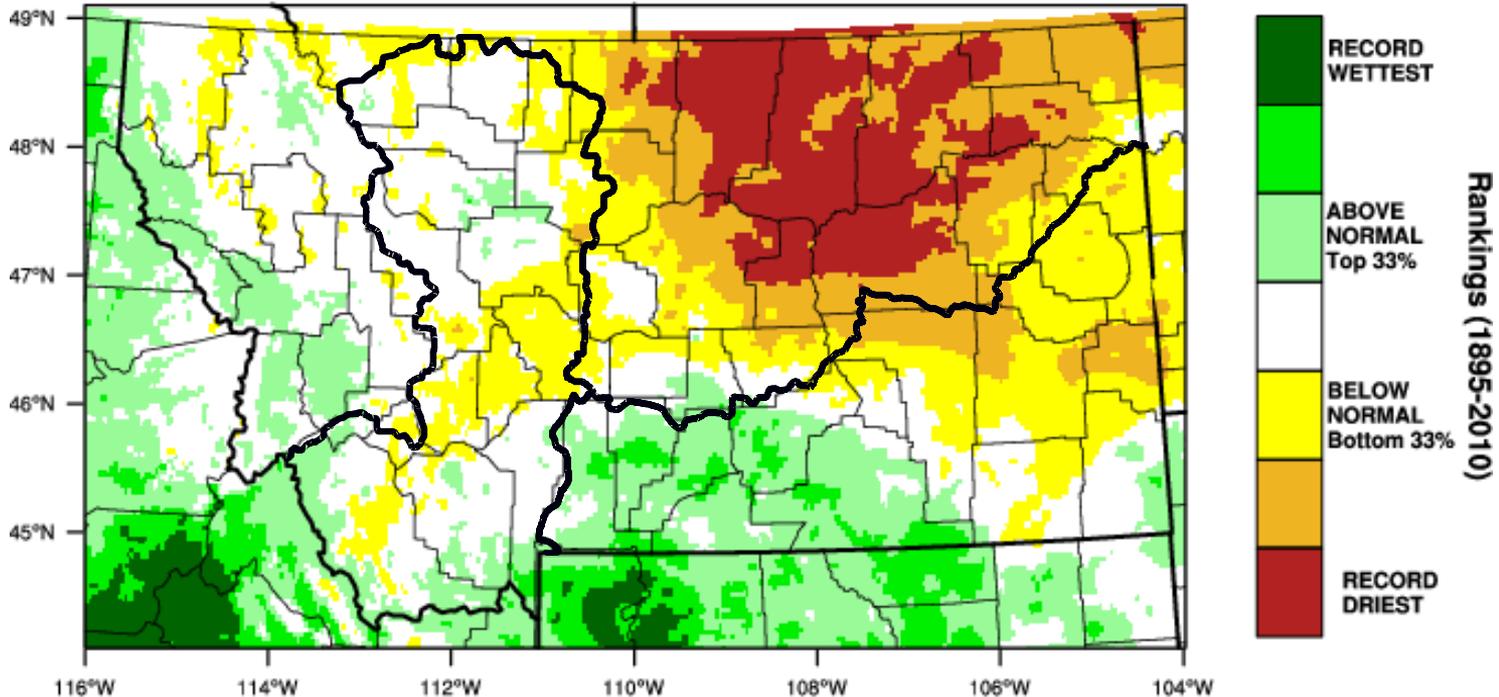


Precipitation Ranking Calendar Year 2017



Montana - Precipitation

January-September 2017 Percentile



WestWide Drought Tracker, U Idaho/WRCC Data Source: PRISM (Prelim), created 16 OCT 2017

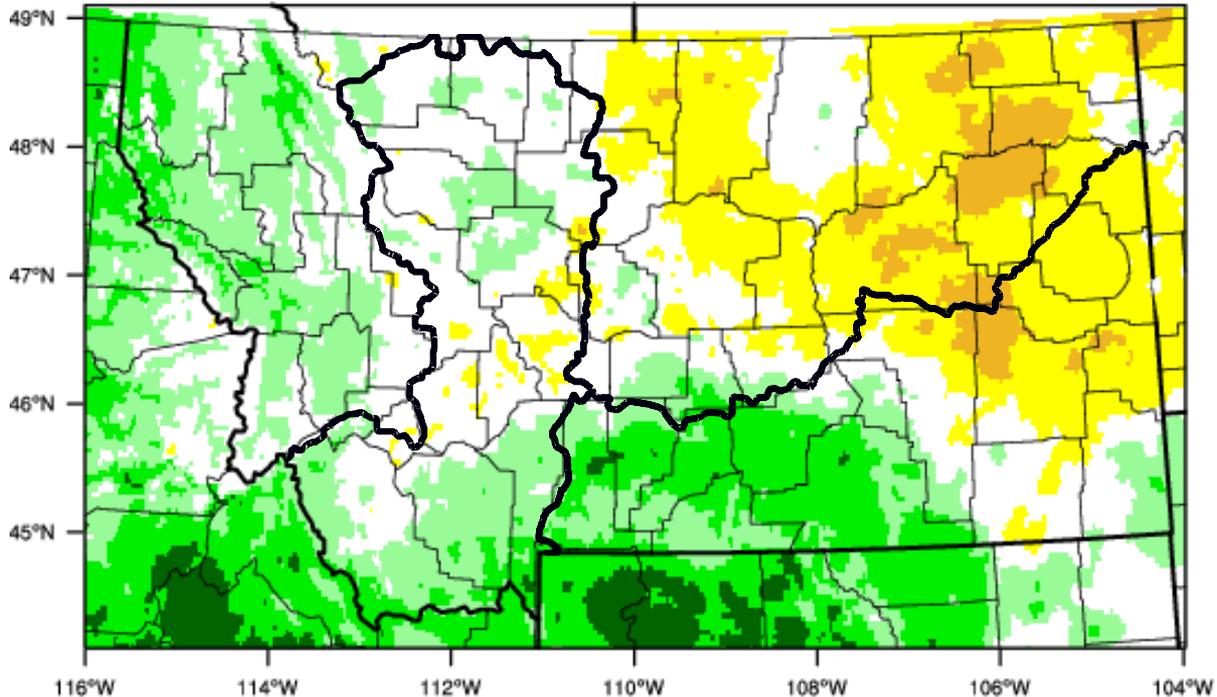


Precipitation Ranking Water Year 2017



Montana - Precipitation

October-September 2017 Percentile



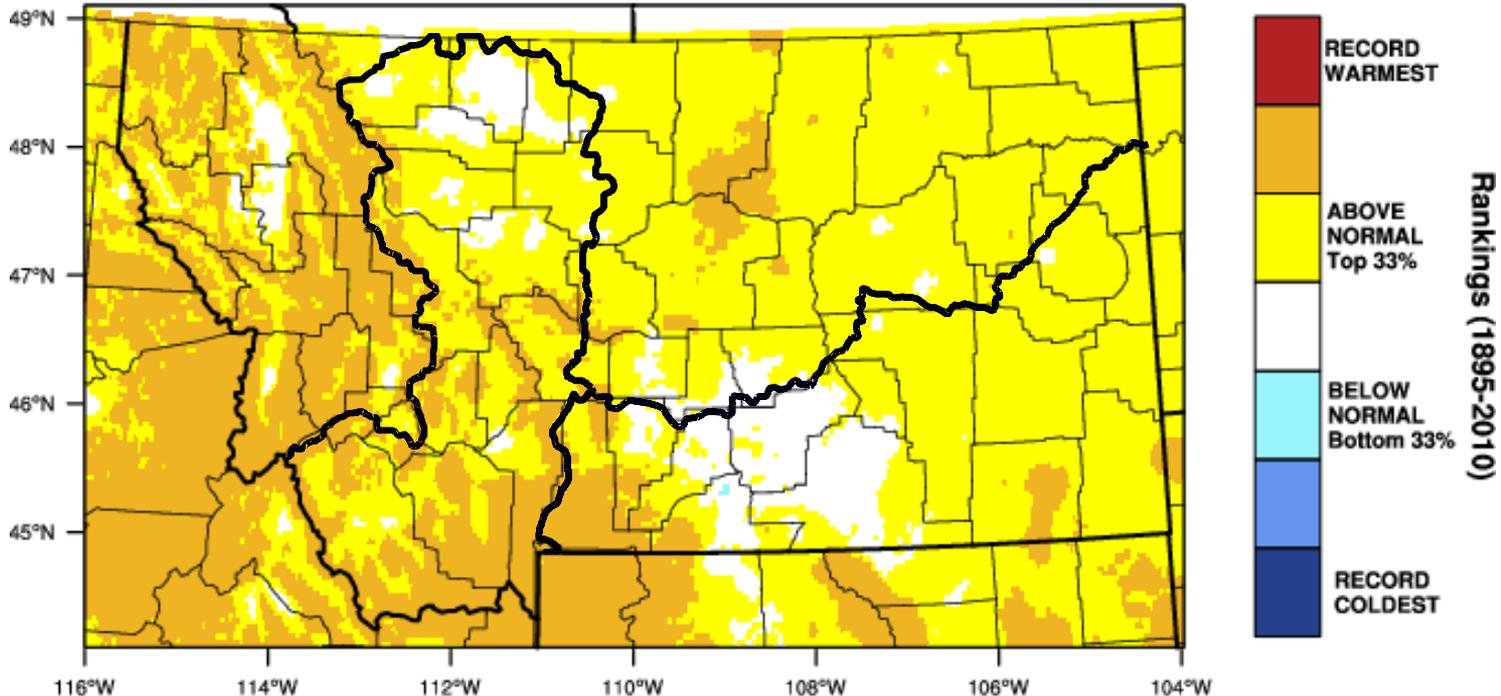
Rankings (1895-2010)



Mean Temperature Ranking Water Year 2017



Montana - Mean Temperature
October-September 2017 Percentile



WestWide Drought Tracker, U Idaho/WRCC Data Source: PRISM (Prelim), created 16 OCT 2017

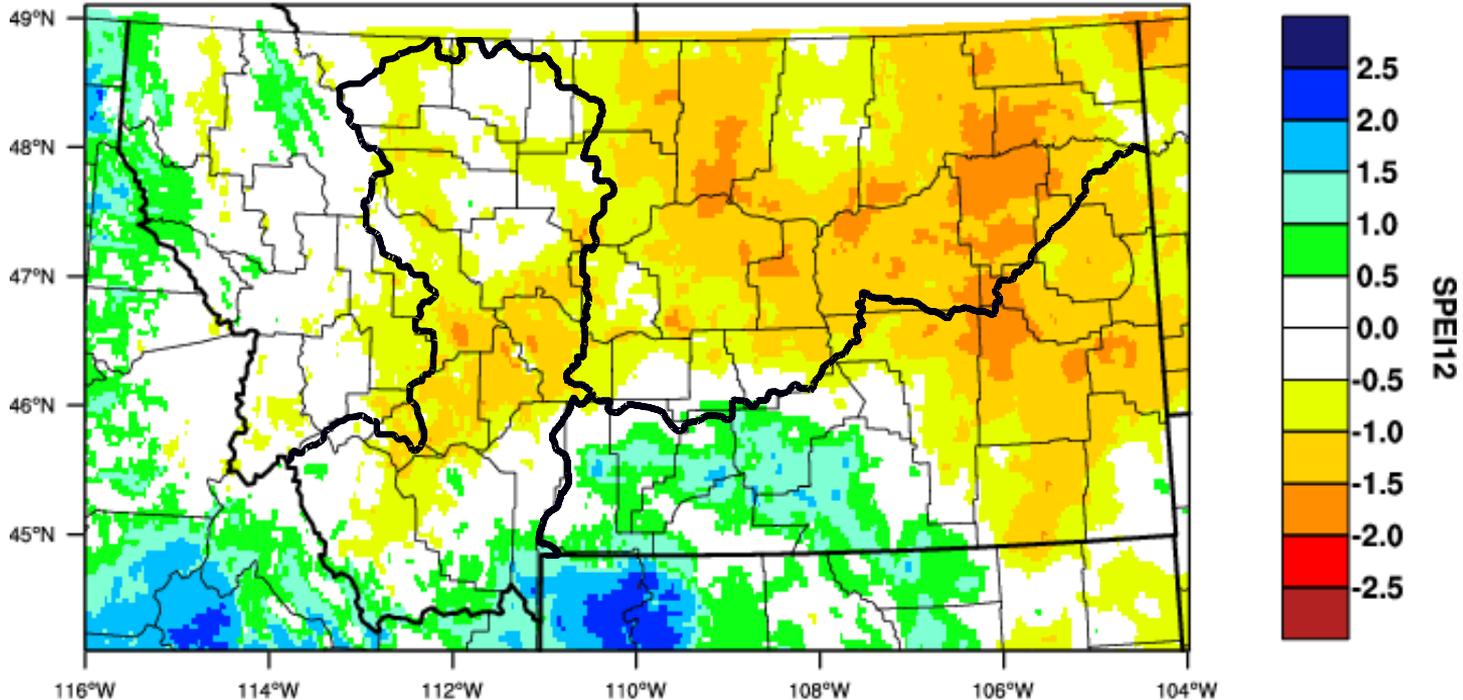


PRISM SPEI

Water Year 2017

Montana - 12 month SPEI

September 2017



WestWide Drought Tracker, U Idaho/WRCC Data Source: PRISM (Prelim), created 16 OCT 2017

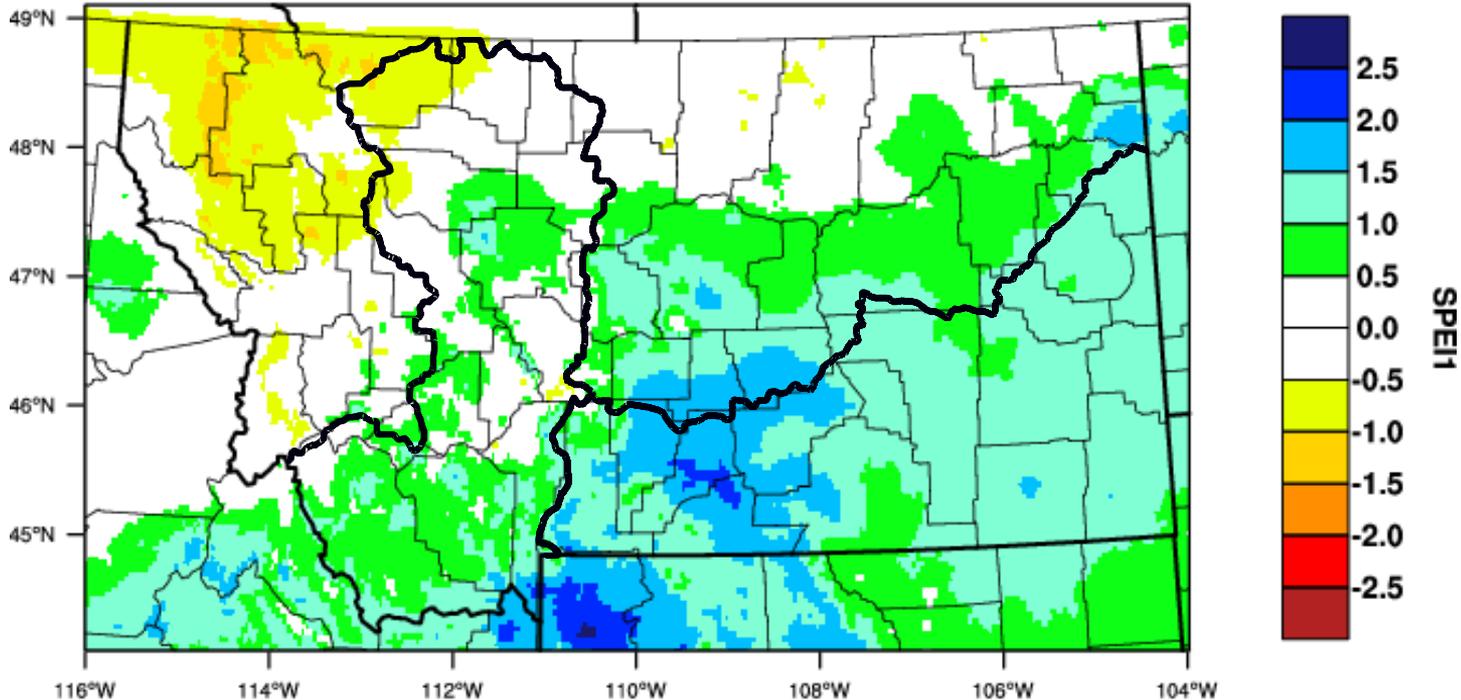


PRISM SPEI

September 2017



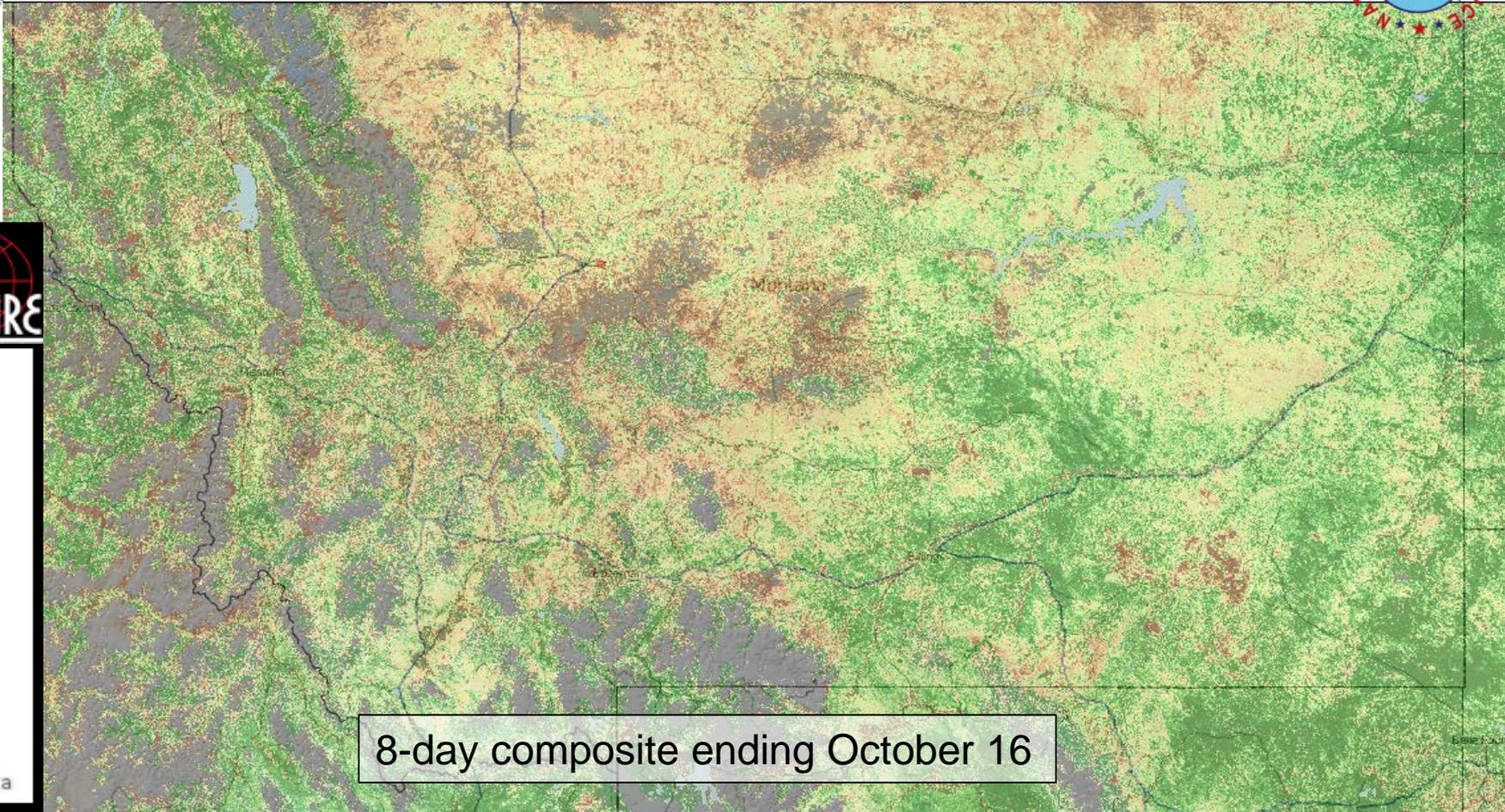
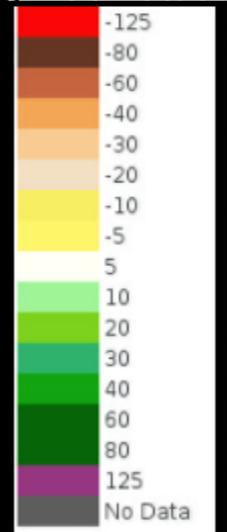
Montana - 1 month SPEI
September 2017



WestWide Drought Tracker, U Idaho/WRCC Data Source: PRISM (Prelim), created 16 OCT 2017



Normalized Difference Vegetation Index



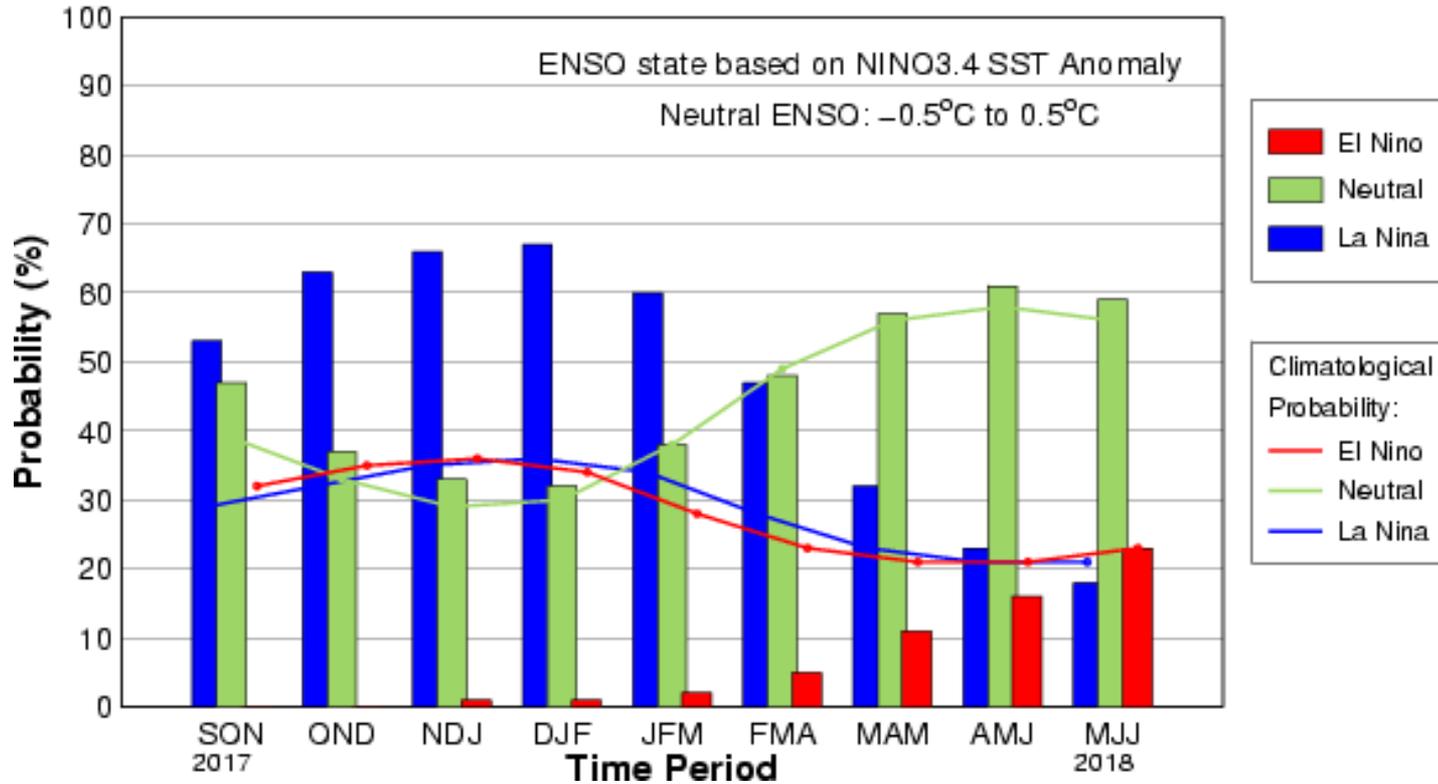
8-day composite ending October 16



ENSO

La Nina Watch!

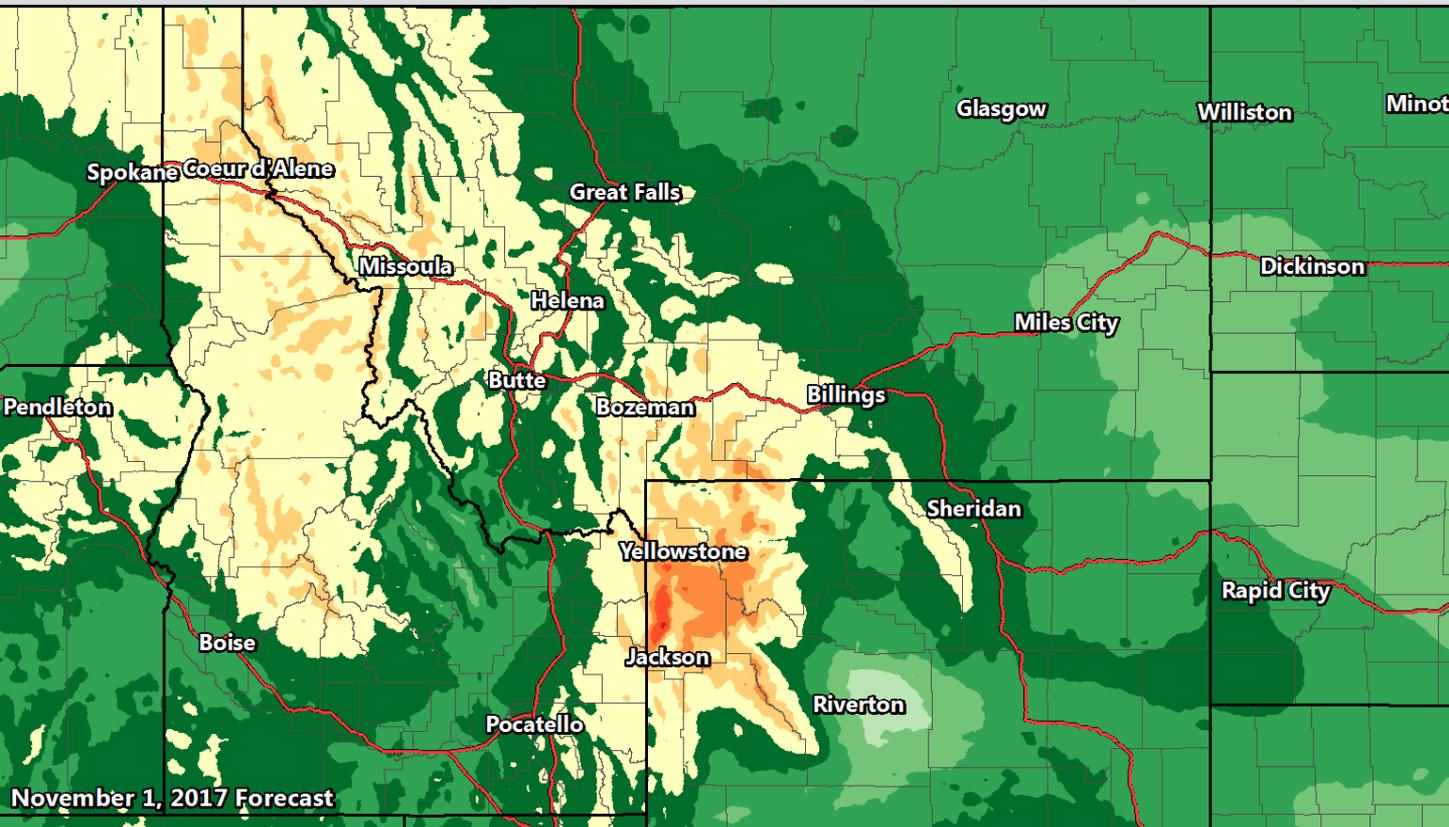
Early-Oct CPC/IRI Official Probabilistic ENSO Forecast





7-Day Precipitation Forecast

Through 5AM 11/08/2017



November 1, 2017 Forecast



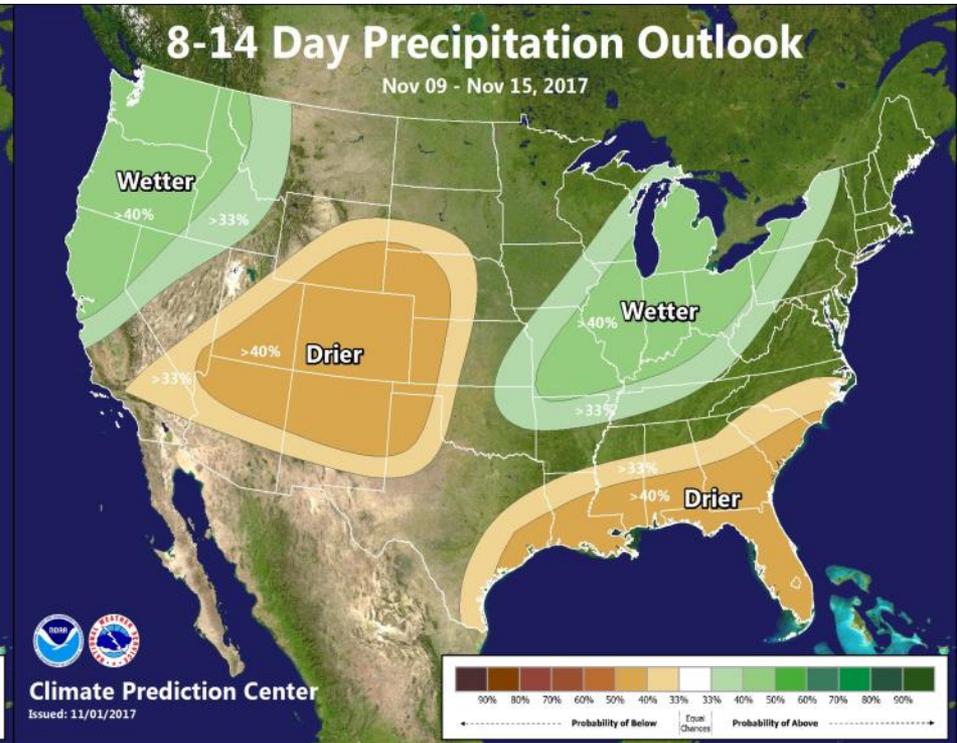
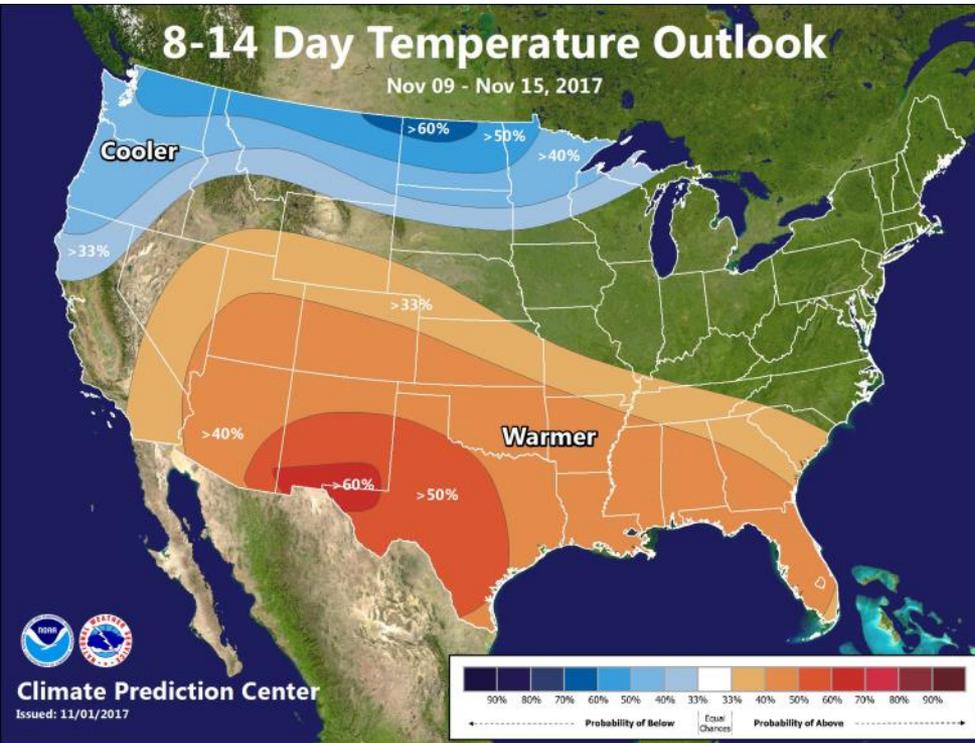
7 Day Precipitation Forecast

Created
November 1



8-14 Day Outlook

Created November 1



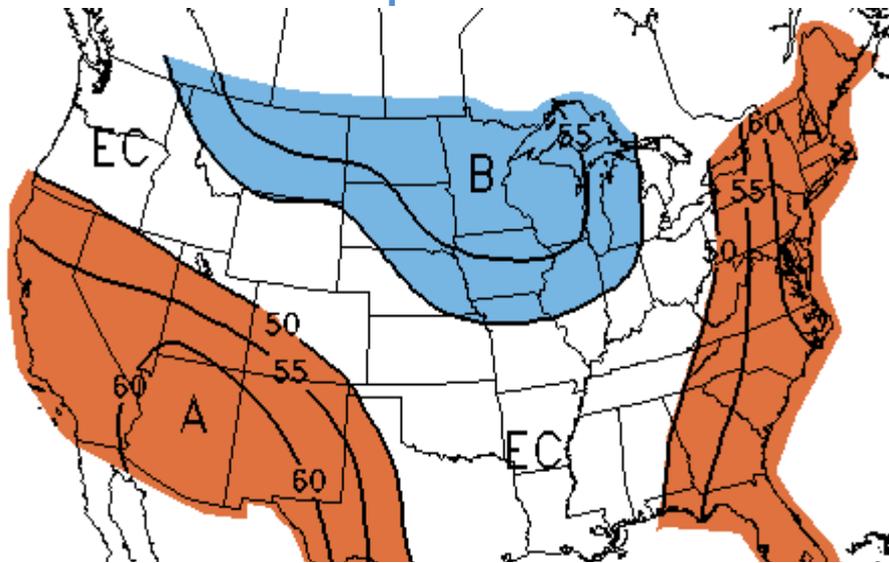


Experimental Week 3-4 Outlook

Created October 27

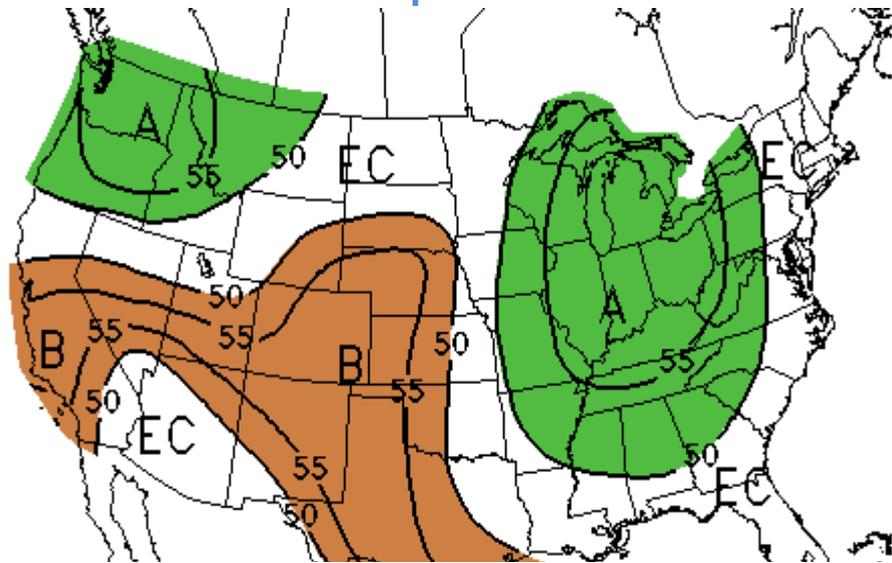


Temperature



55% or greater chance of below normal temperatures across Montana

Precipitation



50 to 55% chance of above normal precipitation across central and western Montana

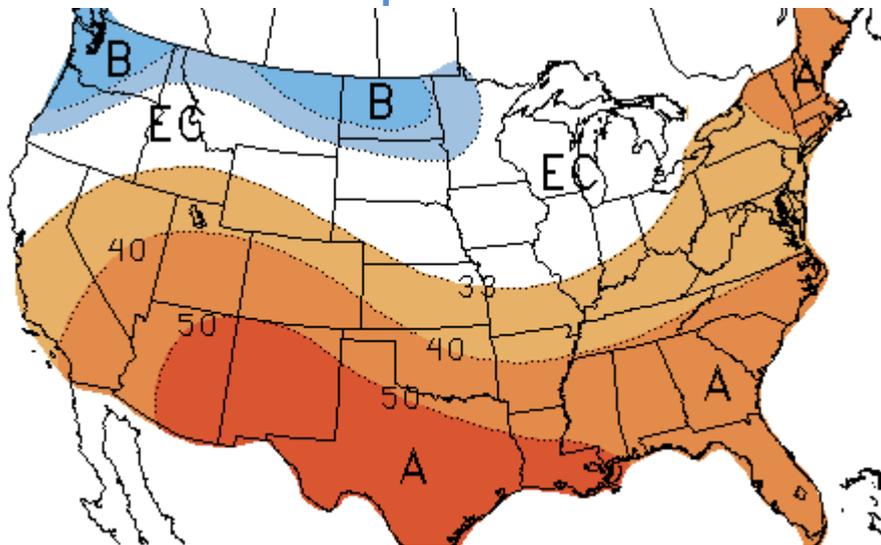


Dec-Feb Outlook

Created October 19

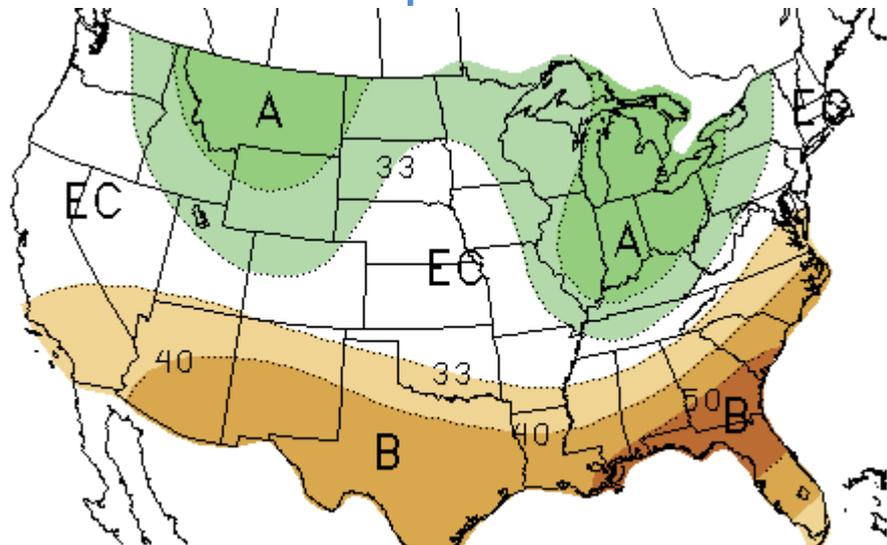


Temperature



33% to 50% chance of below normal temperatures across northern Montana

Precipitation



Greater than 40% chance of above normal precipitation statewide

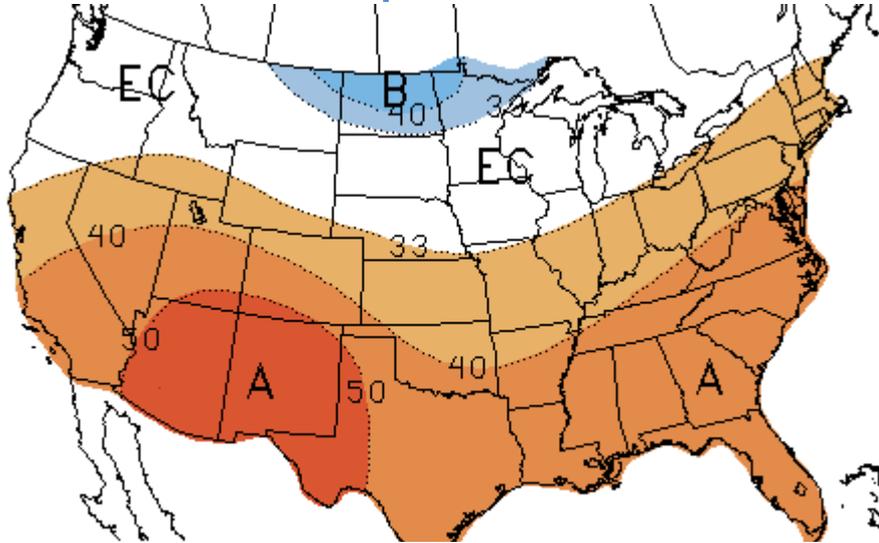


Mar-May Outlook

Created October 19

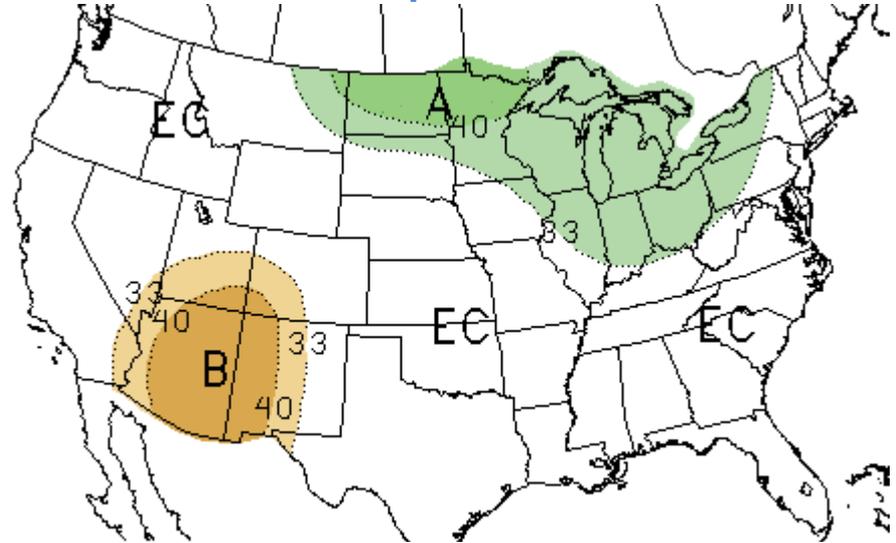


Temperature



33% to 40% chance of below normal temperatures over northeast Montana, with equal chances of above, near or below normal temperatures elsewhere across Montana

Precipitation



33% to 40% chance of above normal precipitation over northeast Montana, with equal chances of above, near or below normal precipitation elsewhere across Montana



weather.gov

weather.gov/billings

weather.gov/glasgow

weather.gov/missoula

weather.gov/greatfalls



Weather-Ready Nation

National Oceanic and Atmospheric Administration