



Montana DWSAC Briefing



22 July 2019



Weather-Ready Nation
National Oceanic and Atmospheric Administration



Montana: July 2018 – June 2019

Temperatures ranked 36th coldest

Avg Temp	20 th Century Average	Departure
40.4°F	41.2°F	-0.8°F

Precipitation ranked 35th driest

Precip	20 th Century Average	Departure
17.53"	18.67"	-1.14"



Montana: Feb 2019 – June 2019

4th coldest on record (coldest since 1975)

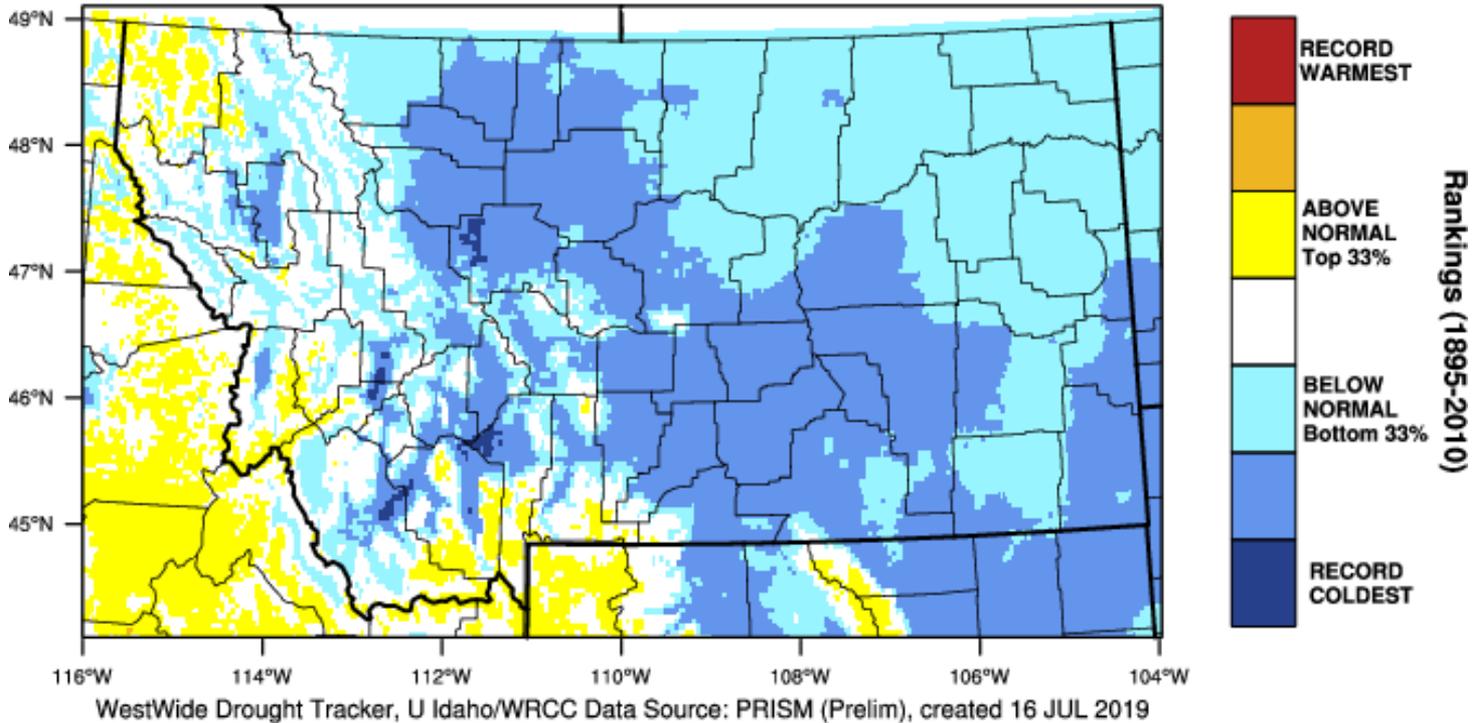
Avg Temp	20 th Century Average	Departure
35.7°F	40.0°F	-4.3°F



2019 Temperature Ranking



Montana - Mean Temperature January-June 2019 Percentile

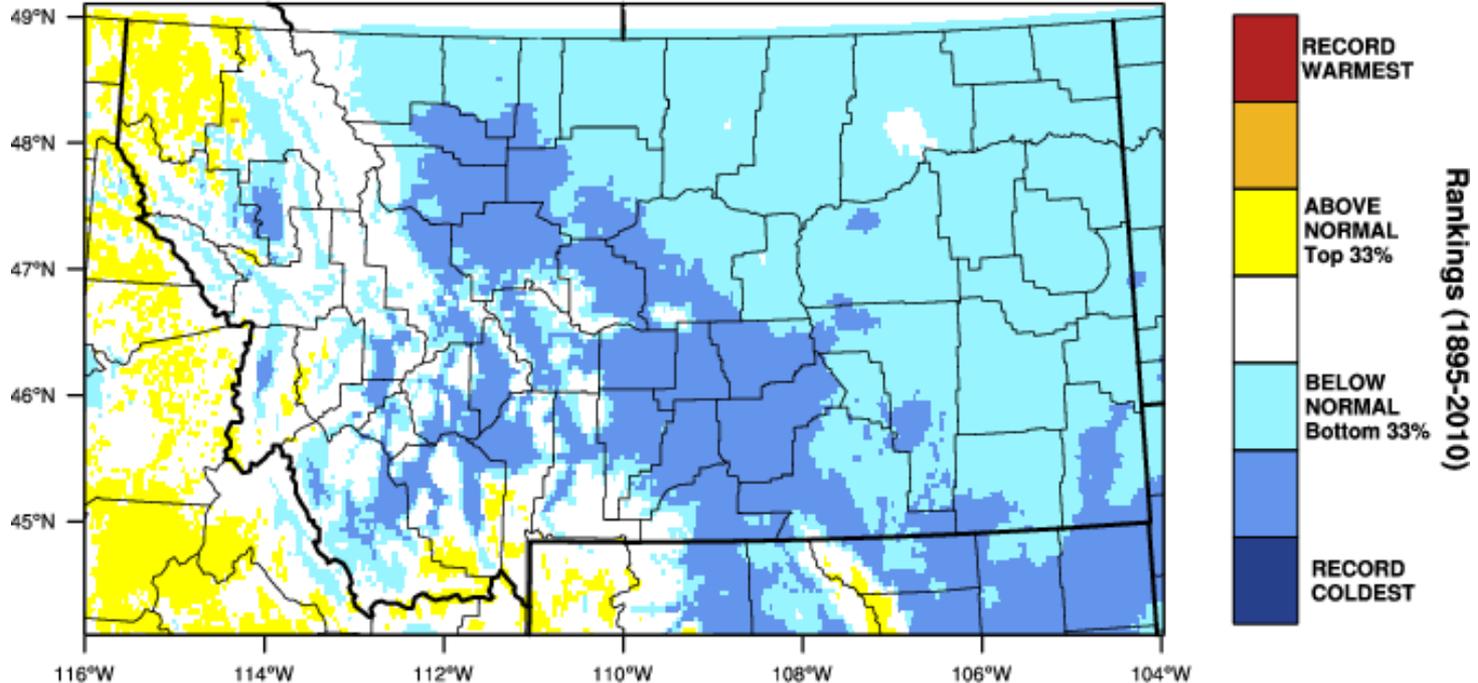




WY 2019 Temperature Ranking



Montana - Mean Temperature October-June 2019 Percentile



WestWide Drought Tracker, U Idaho/WRCC Data Source: PRISM (Prelim), created 16 JUL 2019

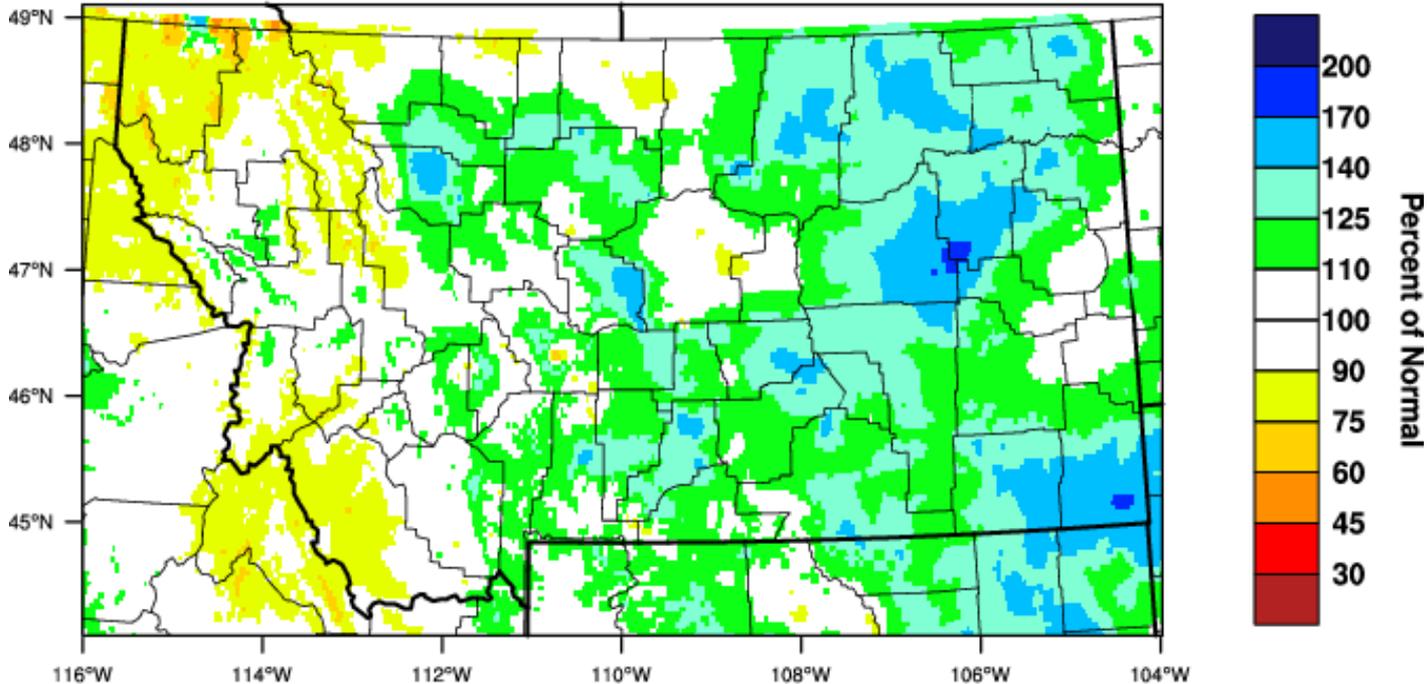


WY 2019 Precipitation Anomaly



Montana - Precipitation

October-June 2019 Percent of 1981-2010 Normal



WestWide Drought Tracker, U Idaho/WRCC Data Source: PRISM (Prelim), created 16 JUL 2019

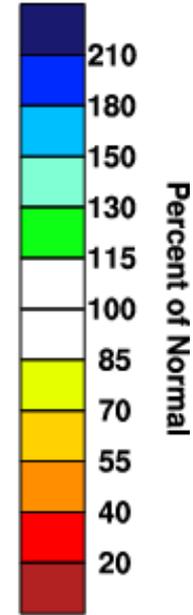
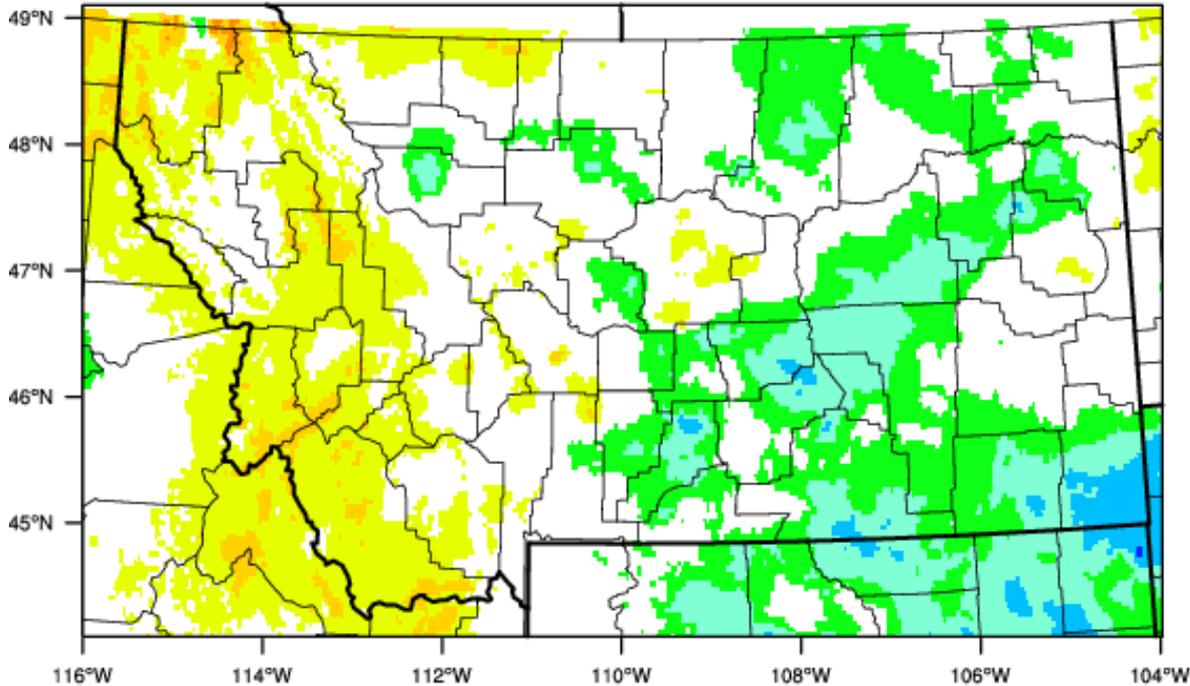


2019 Growing Season Precipitation Anomaly

Montana - Precipitation



March-June 2019 Percent of 1981-2010 Normal

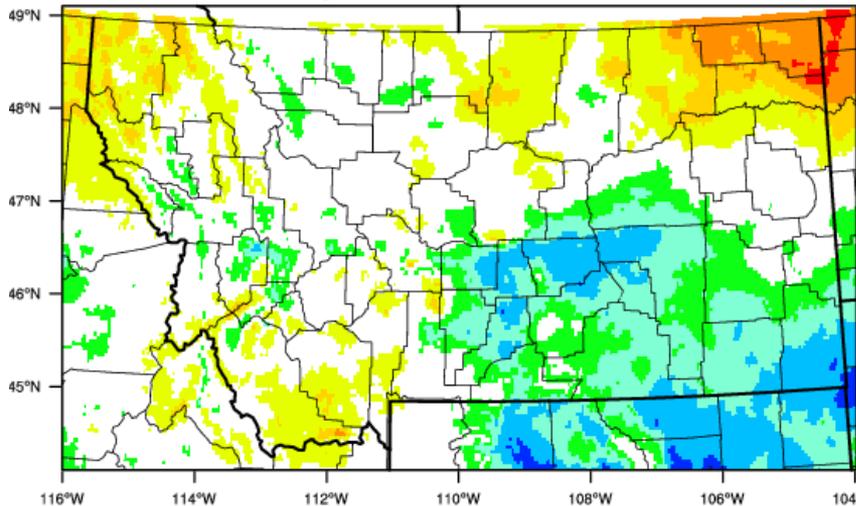


WestWide Drought Tracker, U Idaho/WRCC Data Source: PRISM (Prelim), created 16 JUL 2019

1 Month Change in 2019 Growing Season Precipitation Anomaly

Montana - Precipitation

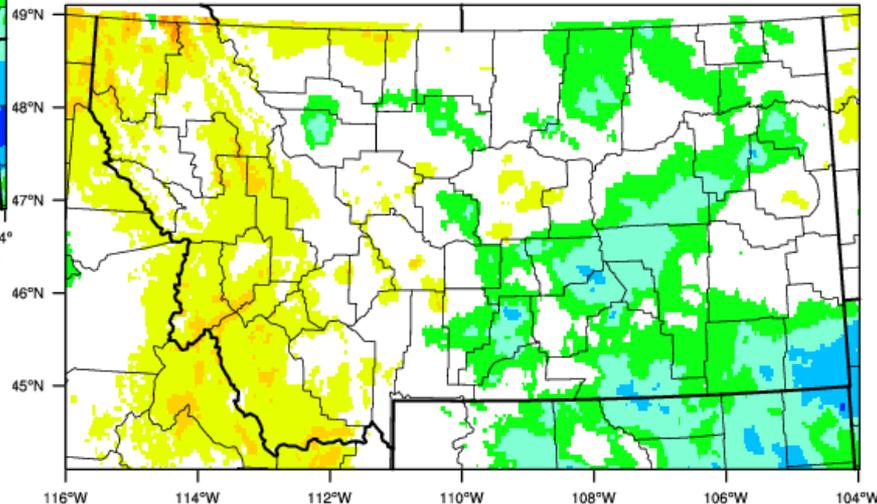
March-May 2019 Percent of 1981-2010 Normal



WestWide Drought Tracker, U Idaho/WRCC Data Source: PRISM (Prelim), created 11 JUN 2019

Montana - Precipitation

March-June 2019 Percent of 1981-2010 Normal

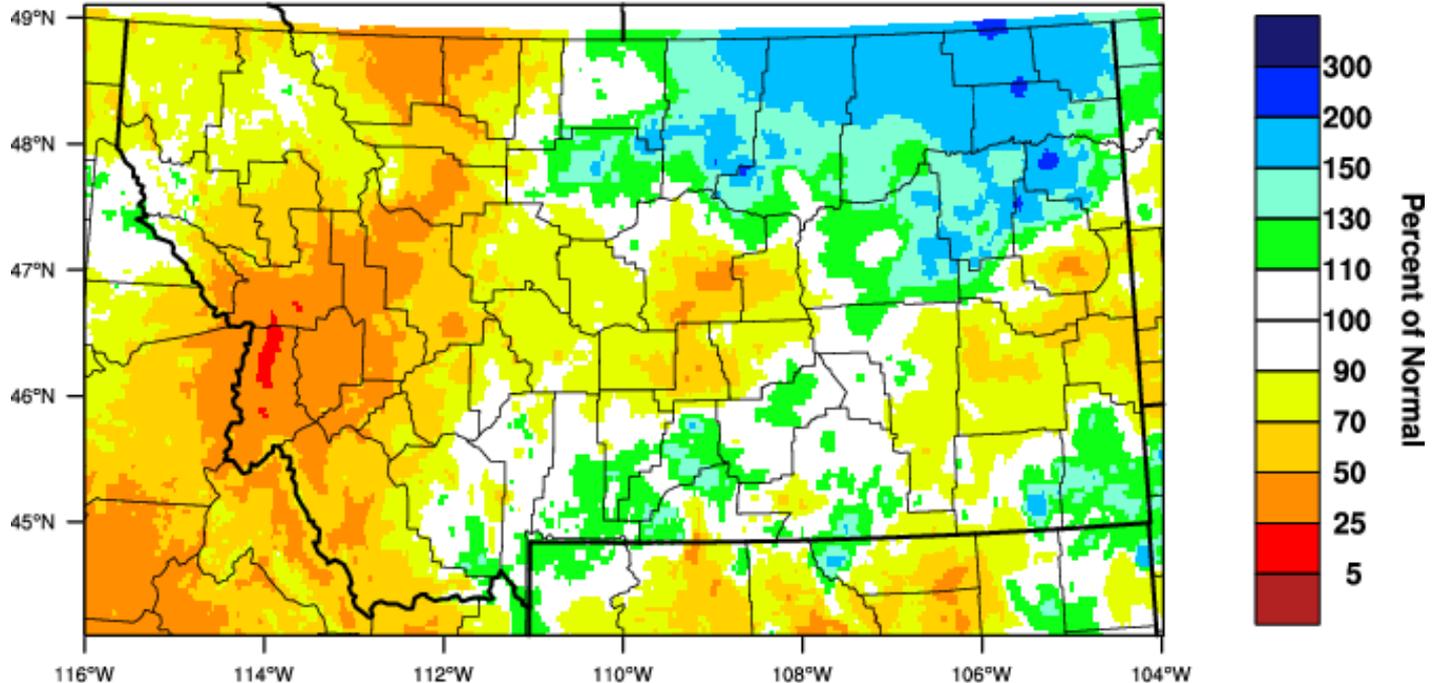


WestWide Drought Tracker, U Idaho/WRCC Data Source: PRISM (Prelim), created 16 JUL 2019

June 2019 Precipitation Anomaly

Montana - Precipitation

June 2019 Percent of 1981-2010 Normal



WestWide Drought Tracker, U Idaho/WRCC Data Source: PRISM (Prelim), created 16 JUL 2019

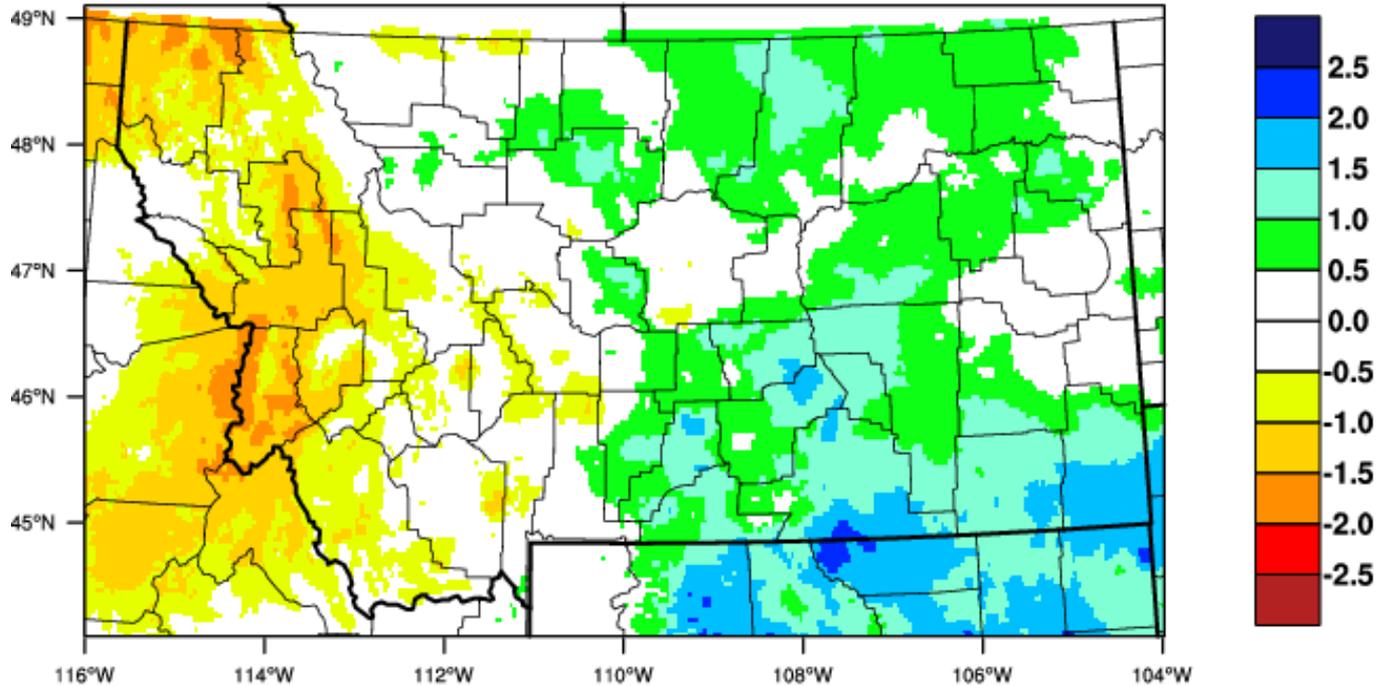


60 Day SPEI



Montana - 2 month SPEI

June 2019

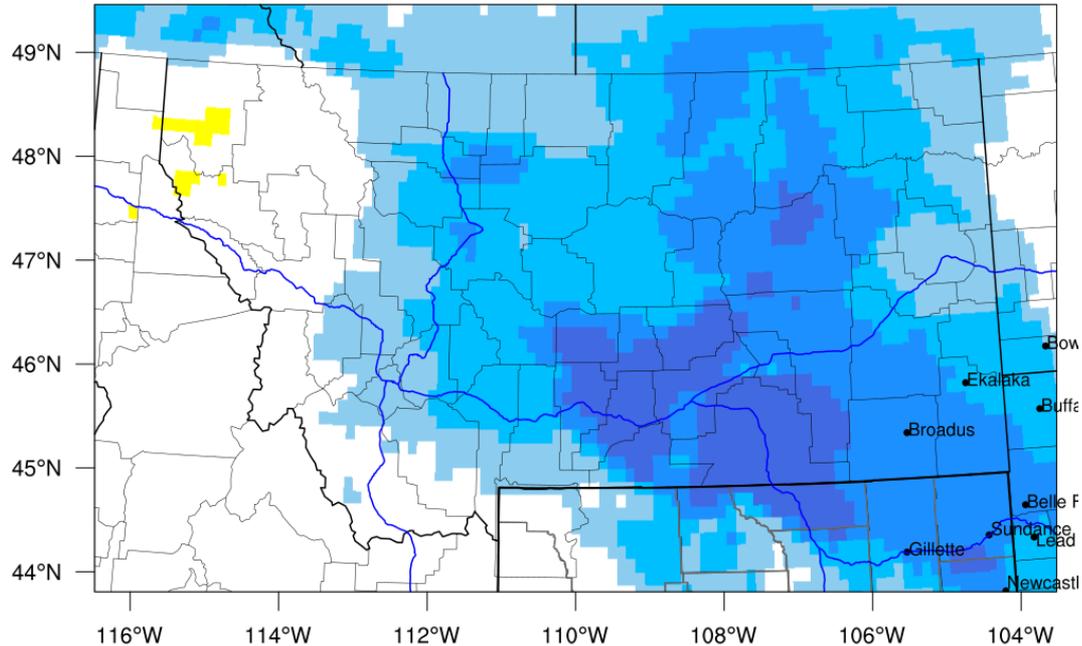


WestWide Drought Tracker, U Idaho/WRCC Data Source: PRISM (Prelim), created 16 JUL 2019



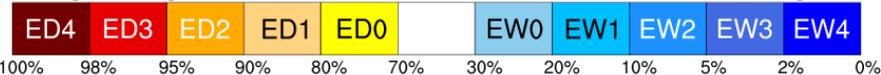
EDDI

1-month EDDI categories for July 13, 2019



Drought categories

Wetness categories

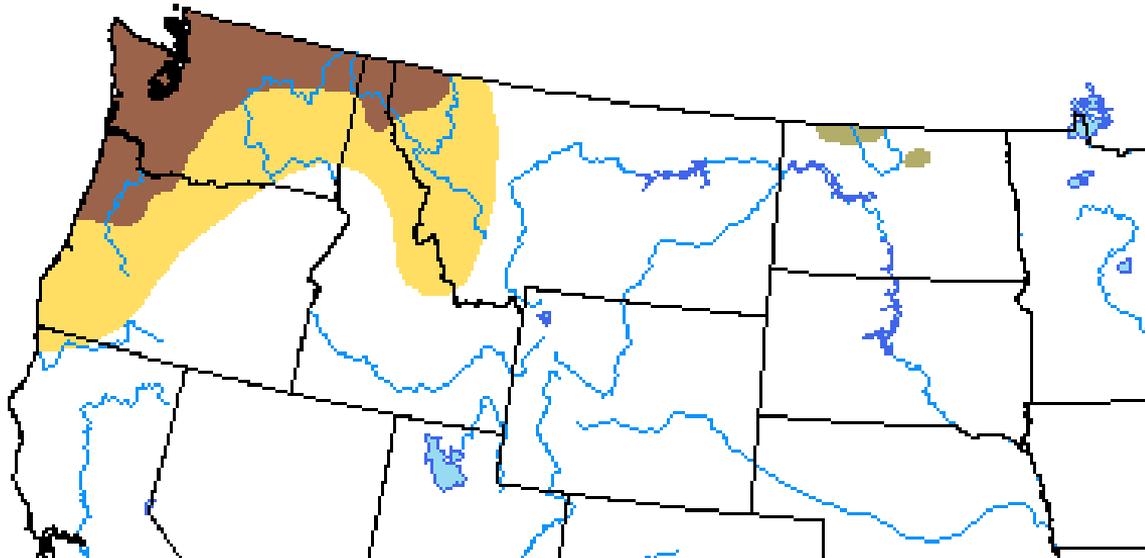


(EDDI-percentile category breaks: 100% = driest; 0% = wettest)



U.S. Seasonal Drought Outlook

May 16, 2019 – August 31, 2019



-  Drought persists
-  Drought remains but improves
-  Drought removal likely
-  Drought development likely



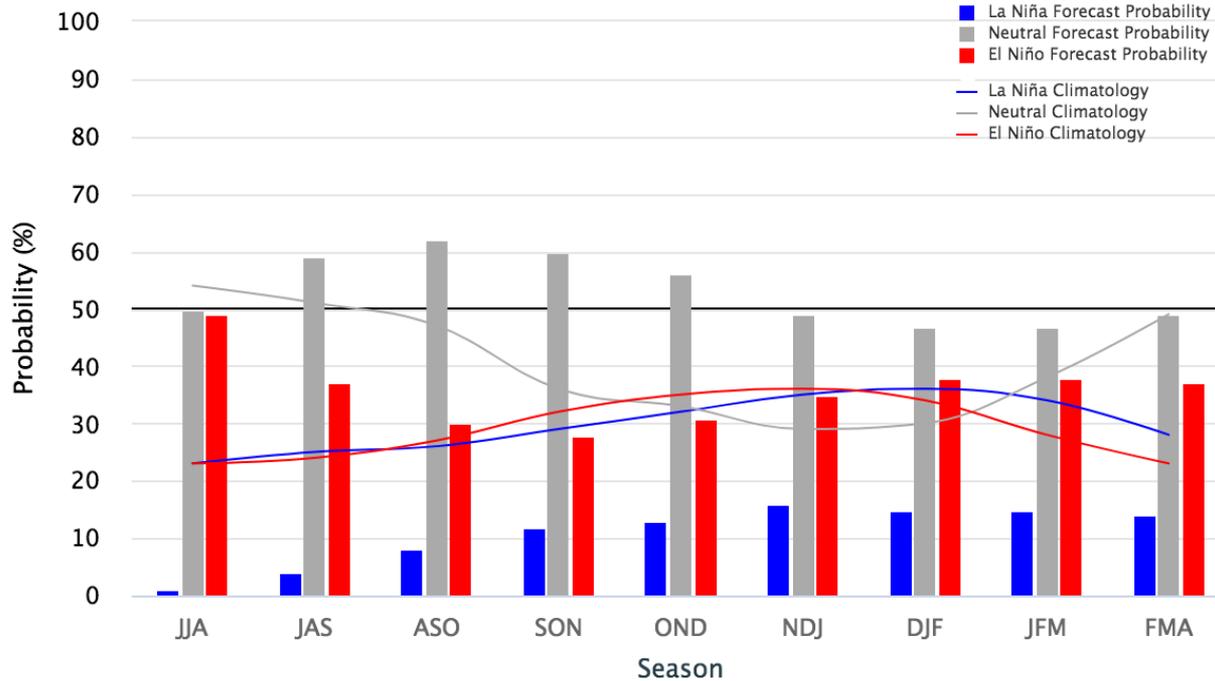
ENSO



Early-July 2019 CPC/IRI Official Probabilistic ENSO Forecasts

ENSO state based on NINO3.4 SST Anomaly

Neutral ENSO: $-0.5\text{ }^{\circ}\text{C}$ to $0.5\text{ }^{\circ}\text{C}$



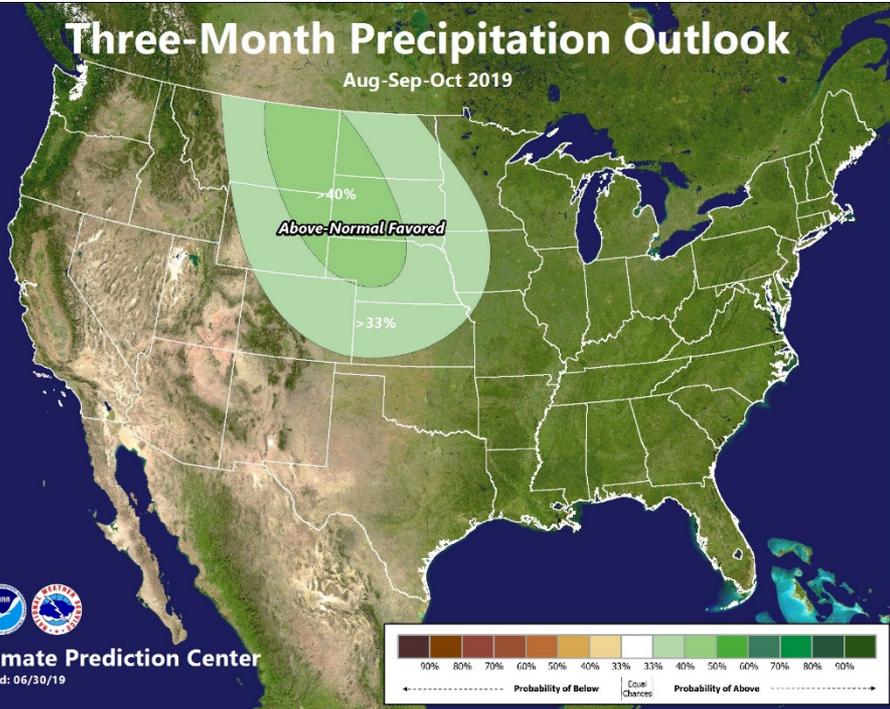


Aug-Oct 2019 Outlook



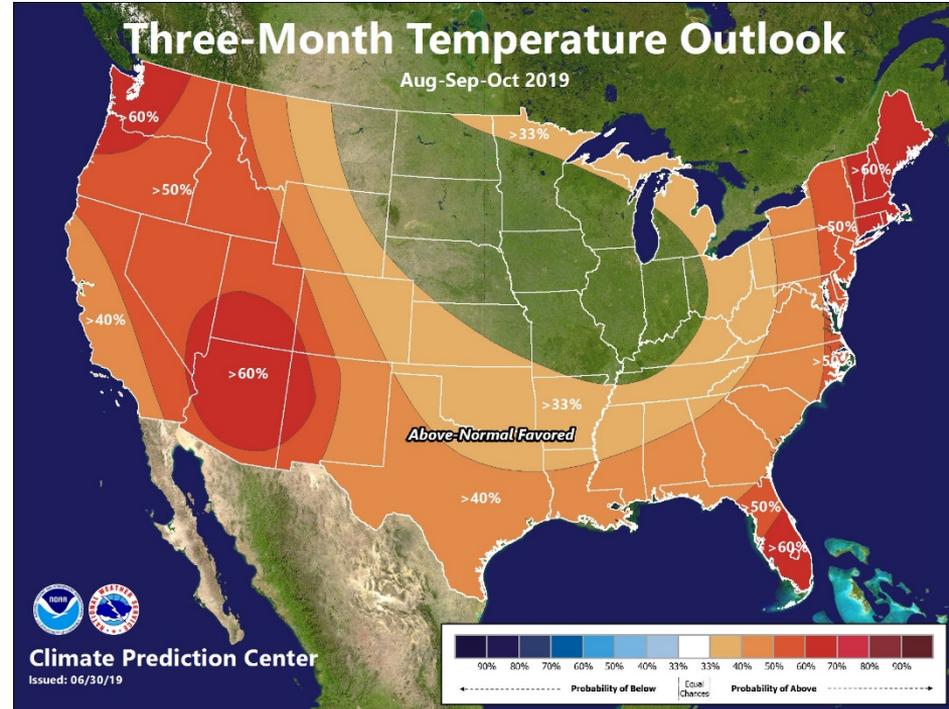
Three-Month Precipitation Outlook

Aug-Sep-Oct 2019



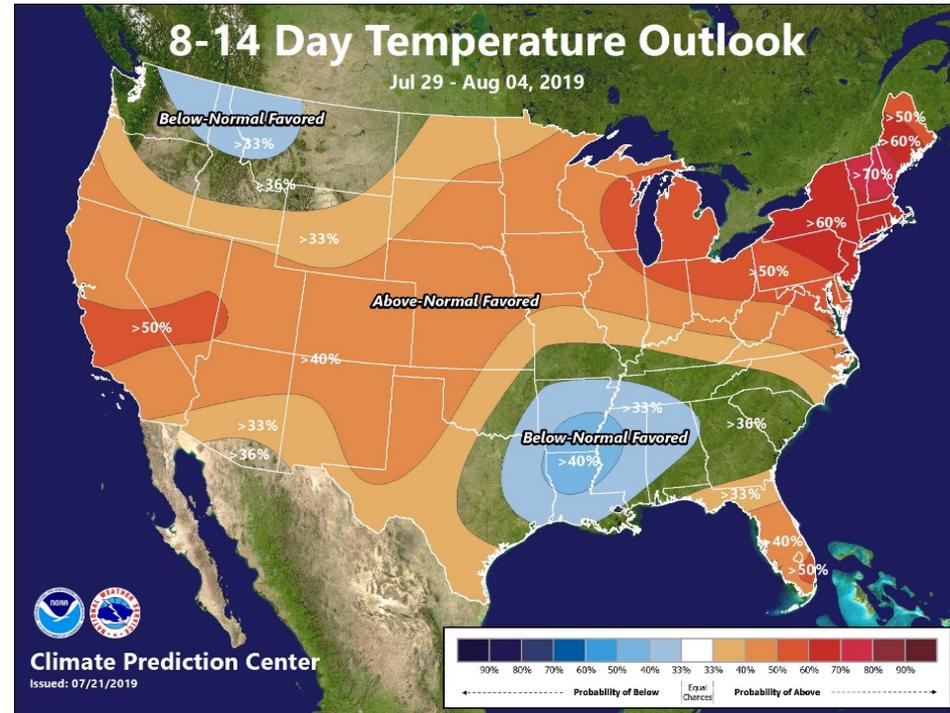
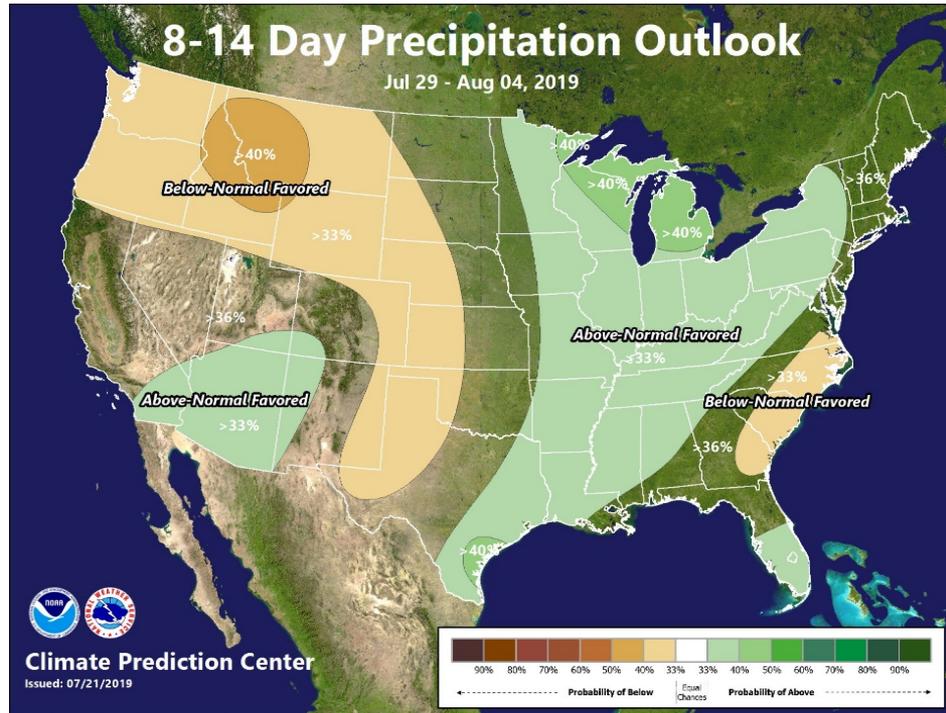
Three-Month Temperature Outlook

Aug-Sep-Oct 2019





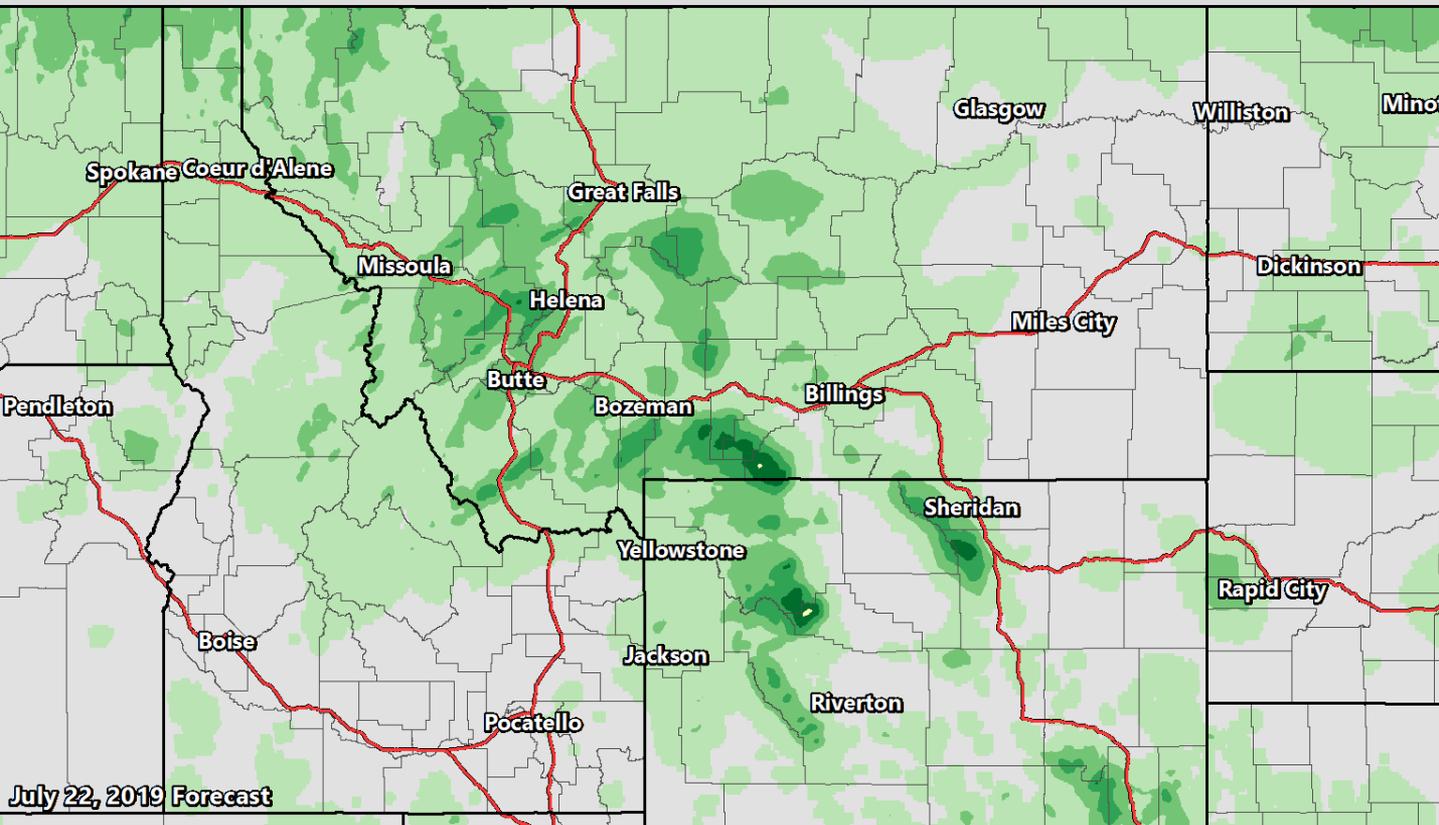
8-14 Day Outlook





7-Day Precipitation Forecast

Through 5PM 07/28/2019



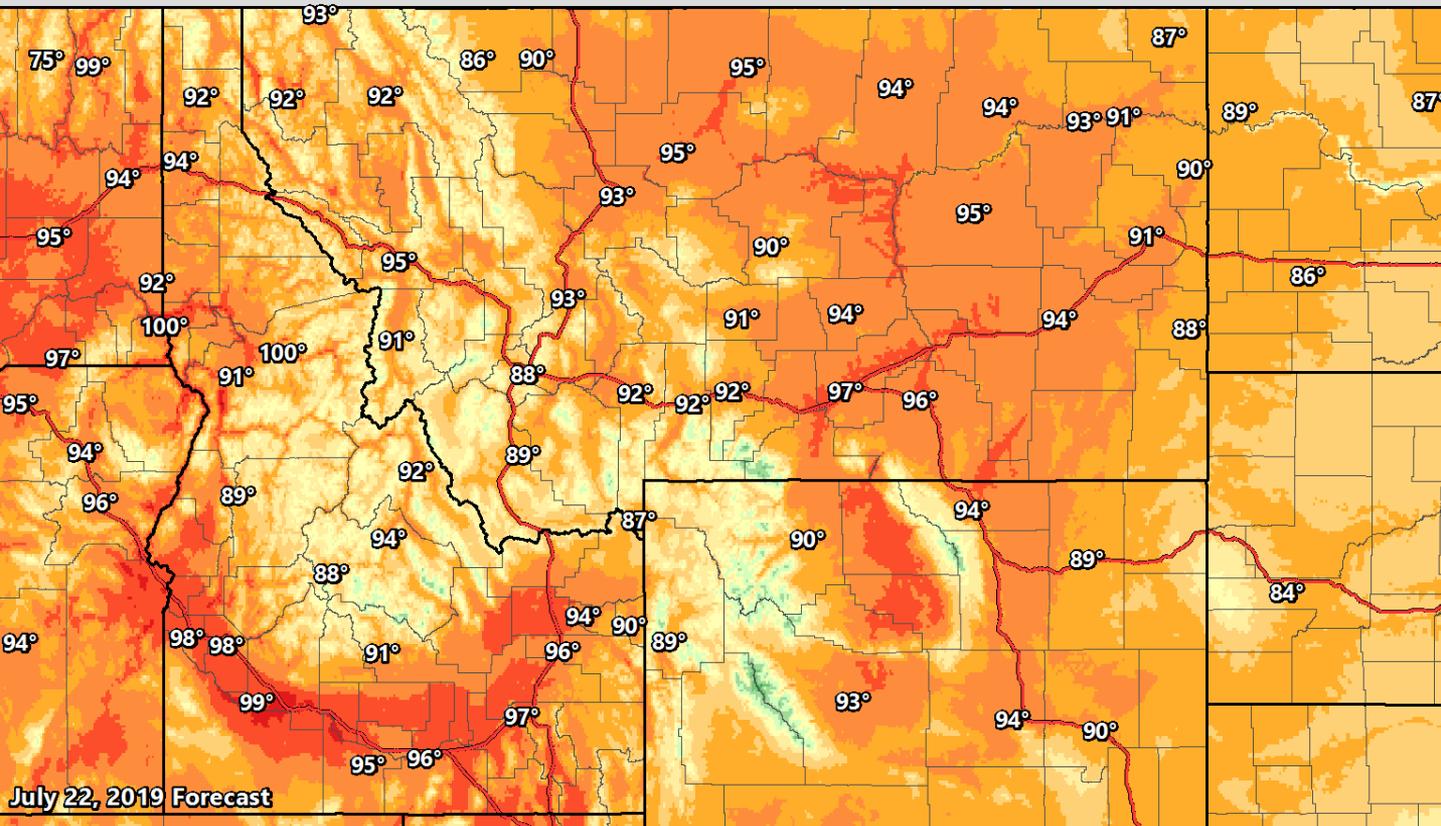
7 Day Precipitation Forecast

July 22, 2019 Forecast



High Temperature Forecast

July 23



Max Temp
Forecast
July 23, 2019



[weather.gov](https://www.weather.gov)

[weather.gov/billings](https://www.weather.gov/billings)

[weather.gov/glasgow](https://www.weather.gov/glasgow)

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