

Weather-Ready Briefing

Eastern Montana & Northern Wyoming

Weather Forecast Office

Billings & Glasgow, MT

Tuesday, July 18

Weather-Ready Monthly Briefing

For Eastern Montana and Northern Wyoming

July 18, 2023

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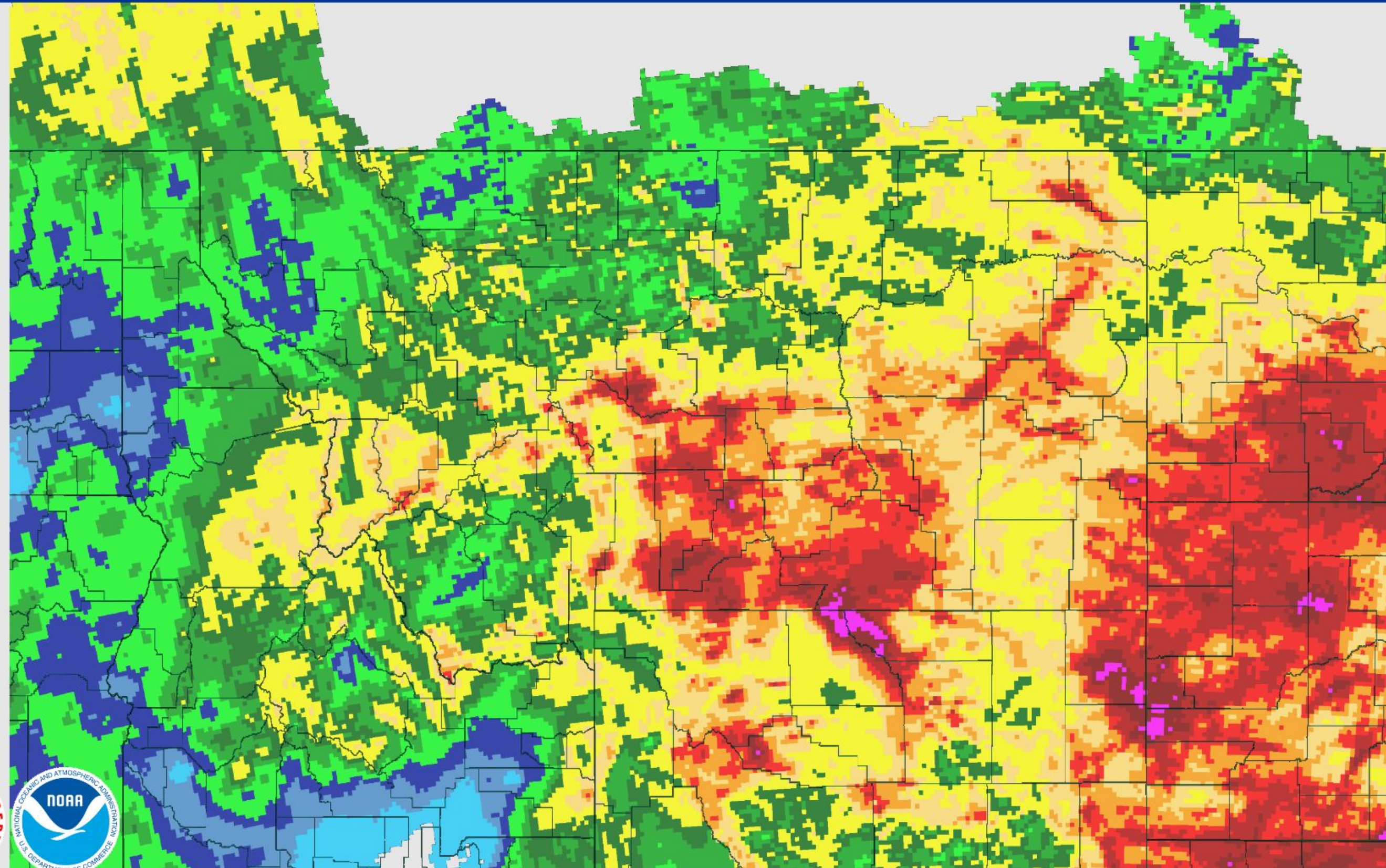
Precip Over the Past 30 Days

Weather Forecast Office
Billings & Glasgow, MT
Tuesday, July 18

July 17, 2023 30-Day Observed Precipitation

Created on: July 18, 2023 - 13:30 UTC

Valid on: July 17, 2023 12:00 UTC

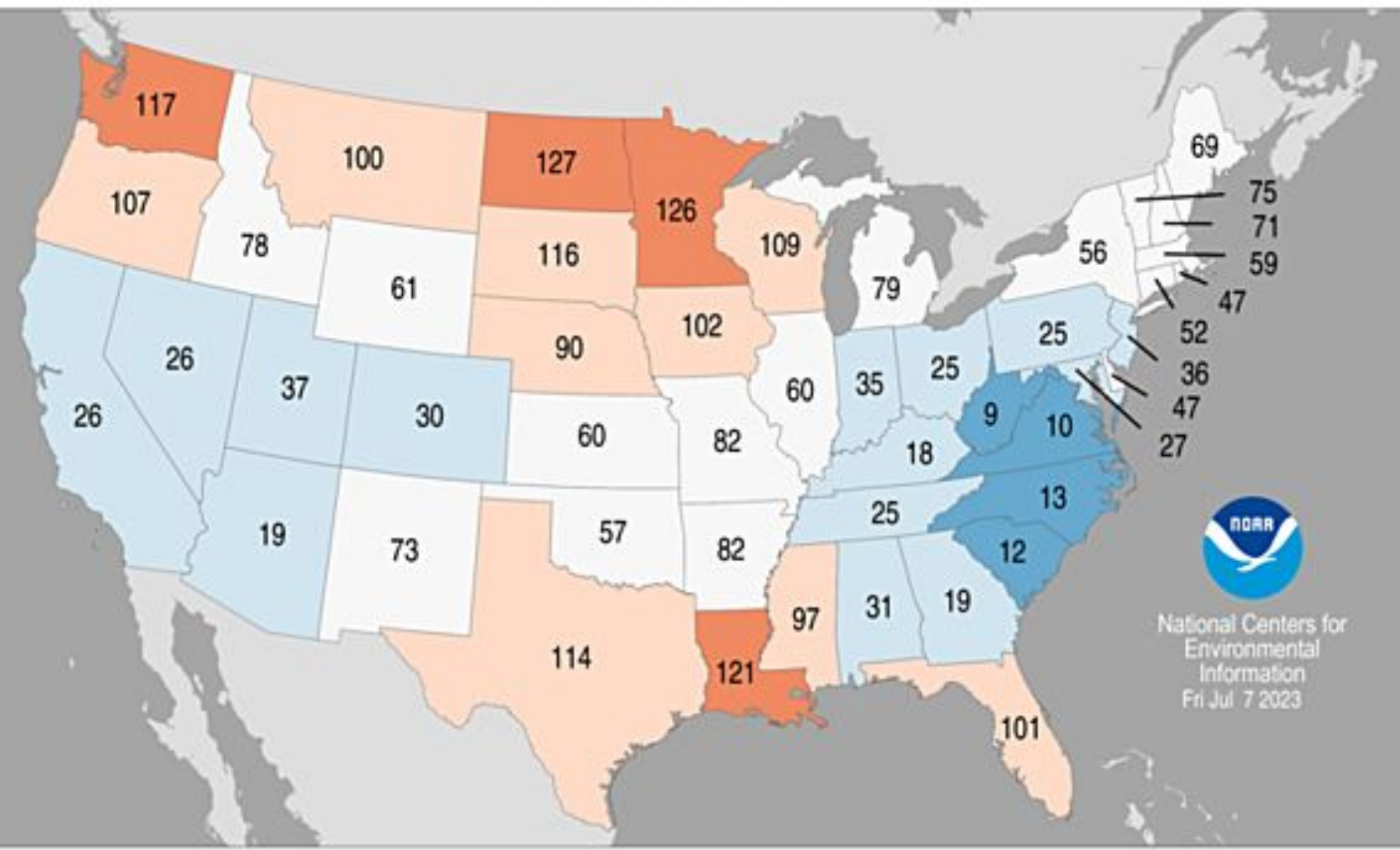




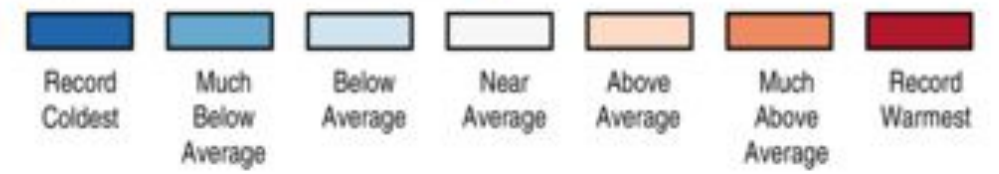
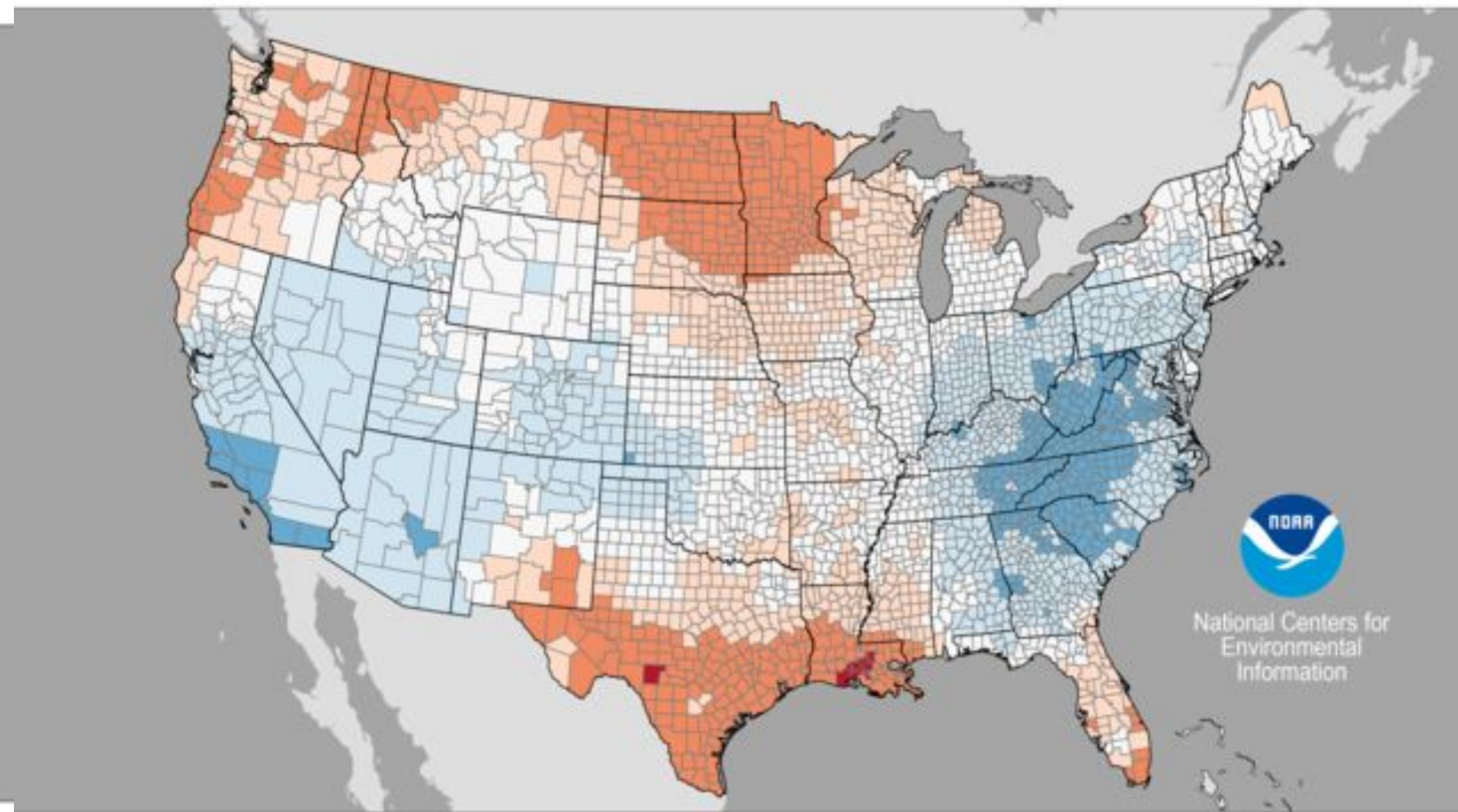
Temperature Recap - June 2023

Weather Forecast Office
Billings & Glasgow, MT
Tuesday, July 18

Statewide Average Temperature Ranks
June 2023
Period: 1895-2023



County Average Temperature Ranks
June 2023
Period: 1895-2023



Created: Fri Jul 07 2023

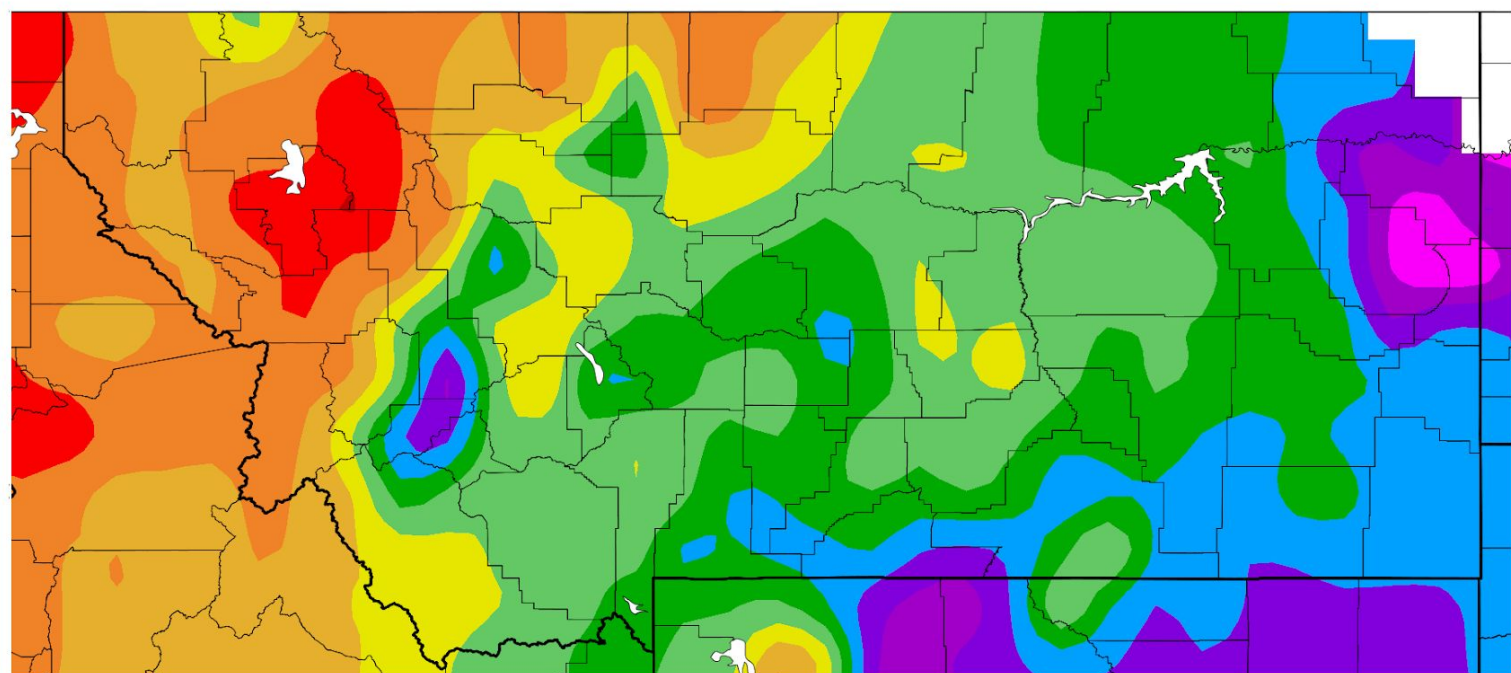
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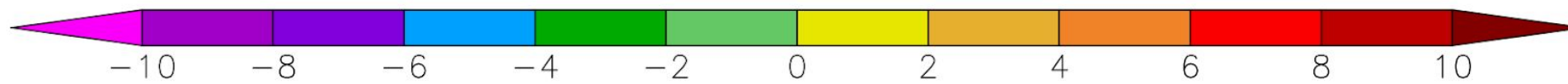
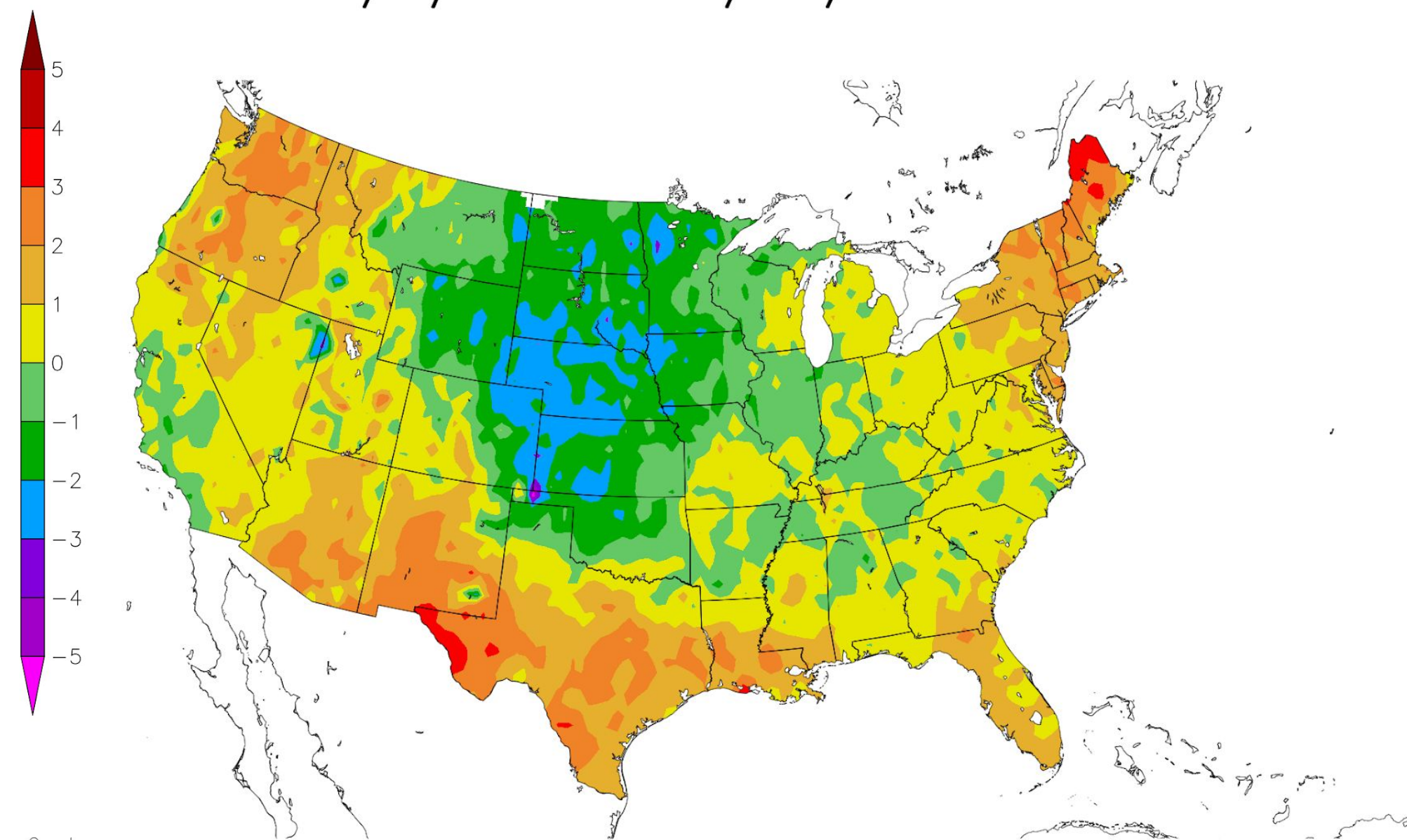
Current Month - Temperature Trends

Weather Forecast Office
Billings & Glasgow, MT
Tuesday, July 18

Departure from Normal Temperature (F)
7/1/2023 - 7/15/2023



Departure from Normal Temperature (F)
7/1/2023 - 7/15/2023



Generated 7/16/2023 at HPRCC using provisional data.

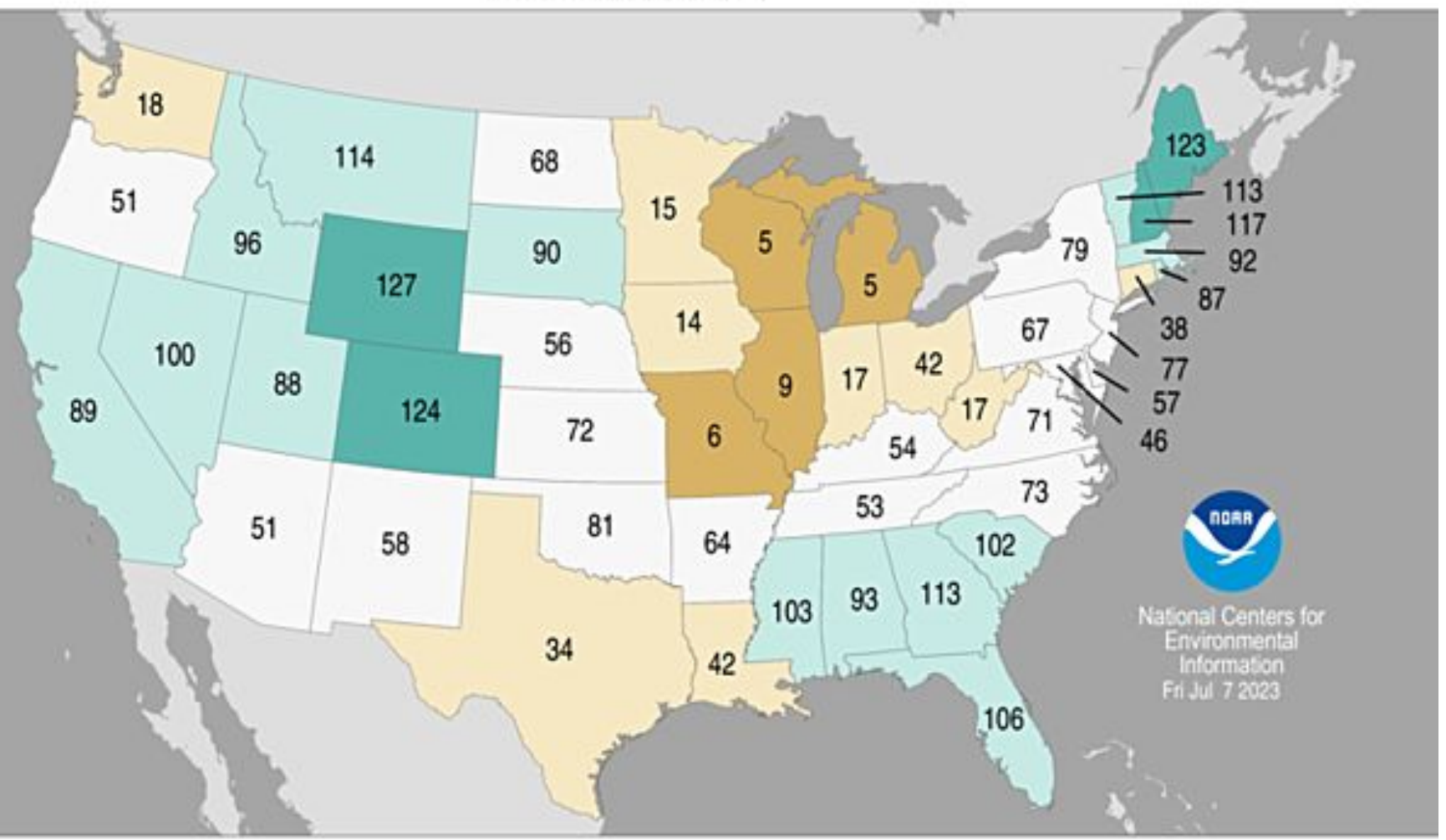
NOAA Regional Climate Centers

Generated 7/16/2023 at HPRCC using provisional data.

NOAA Regional Climate Centers

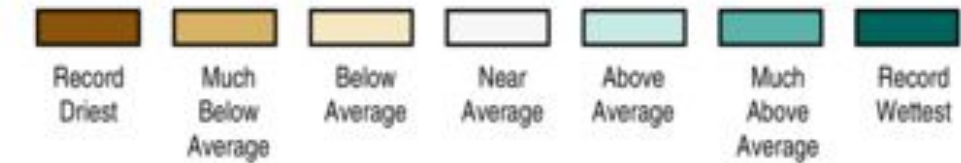
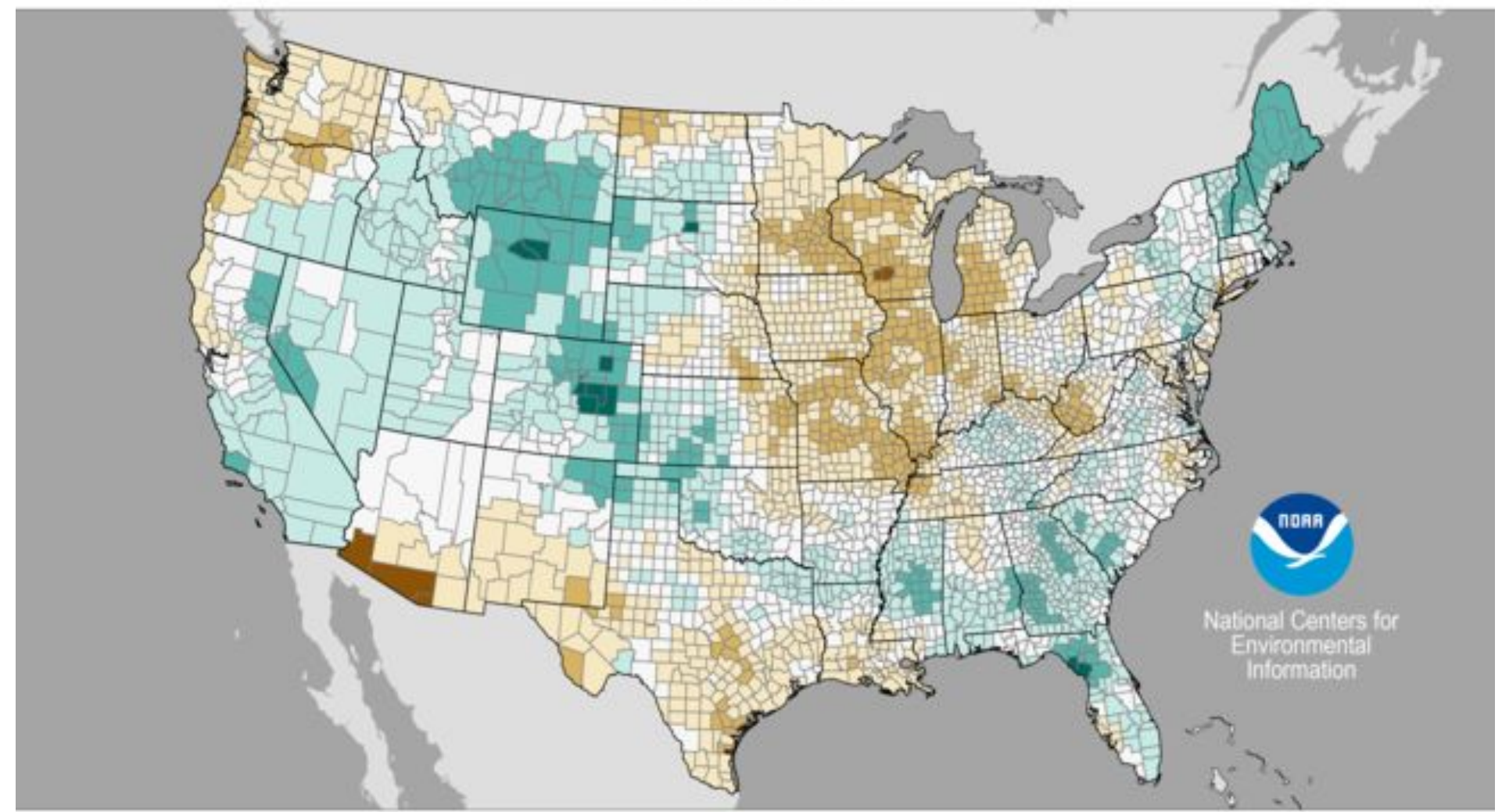
Statewide Precipitation Ranks

June 2023
Period: 1895-2023



County Precipitation Ranks

June 2023
Period: 1895-2023



Created: Fri Jul 07 2023

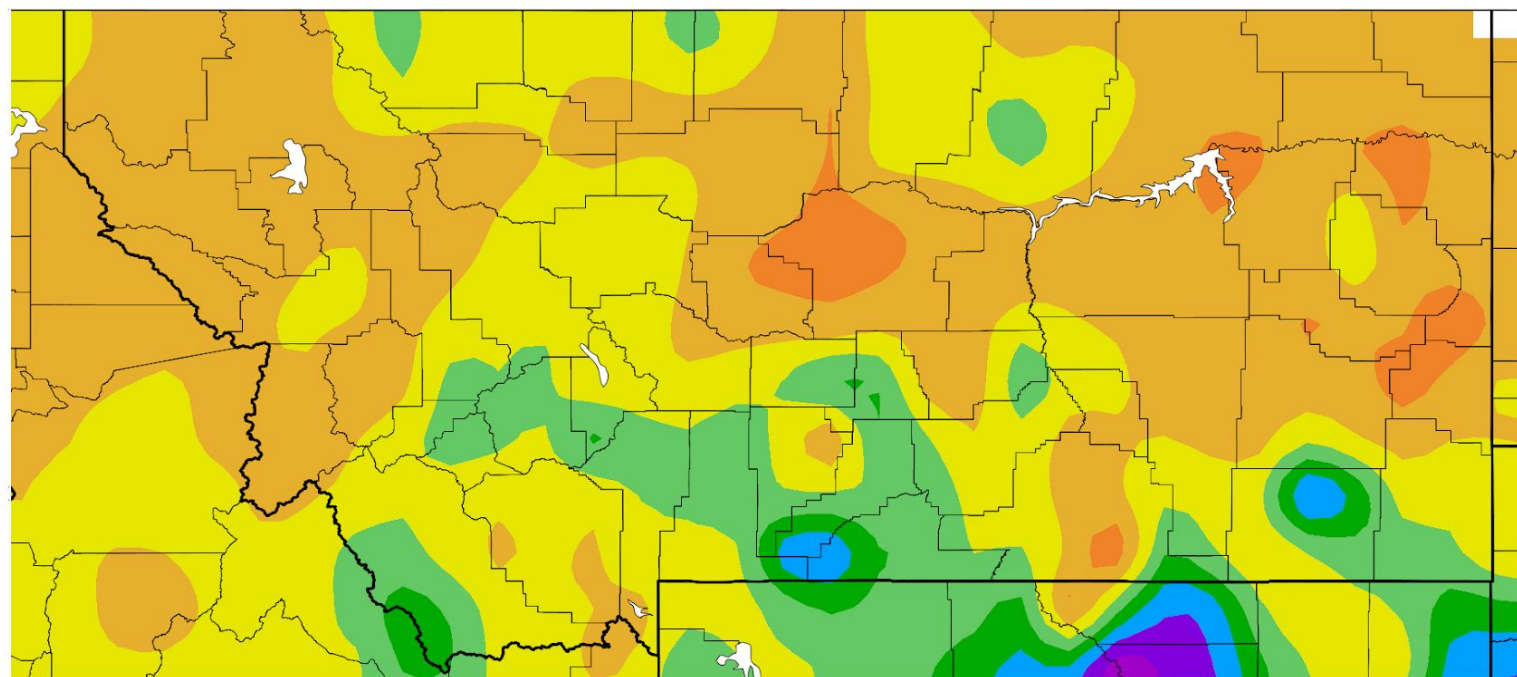
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Current Month - Precipitation Trends

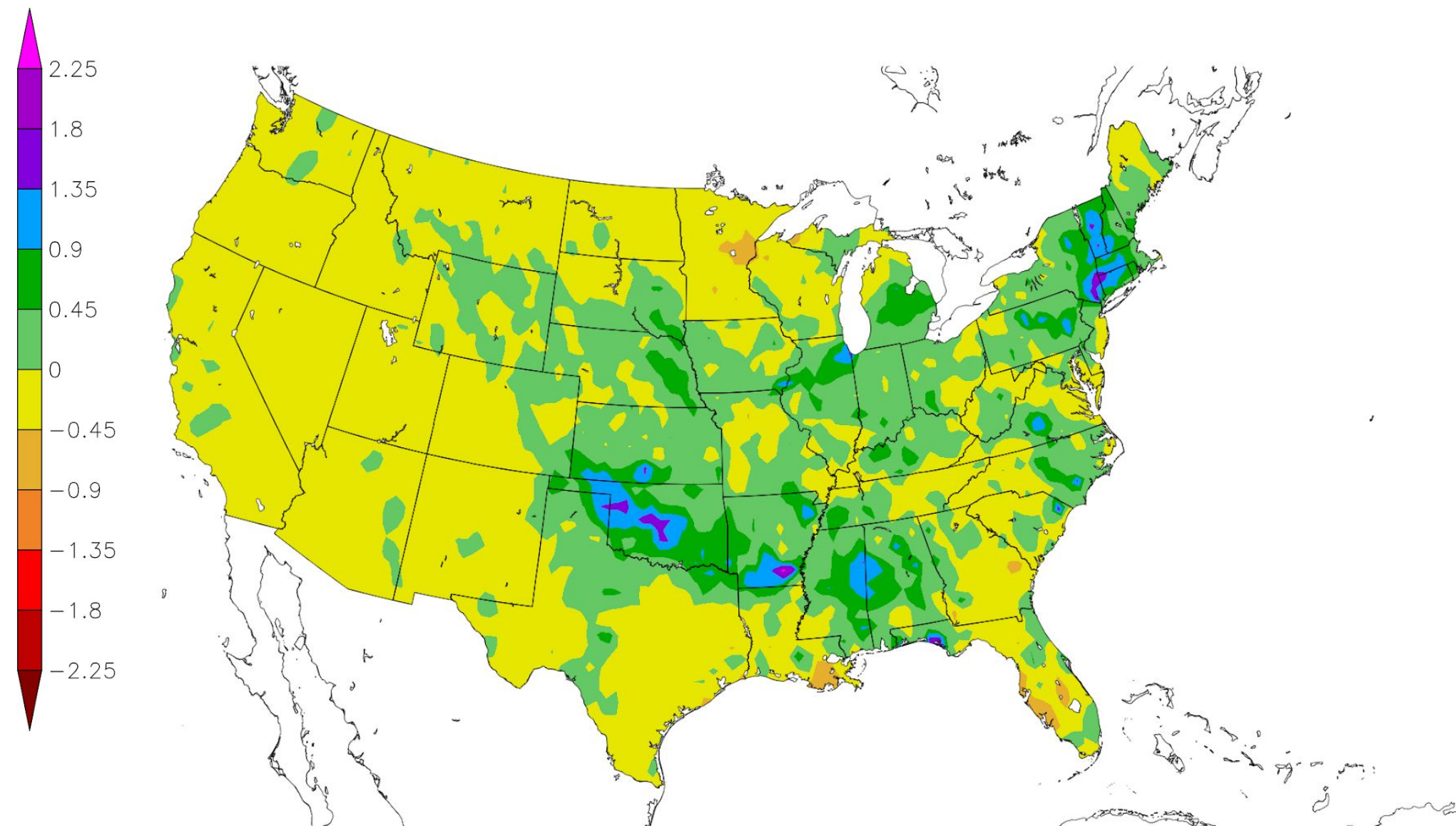
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Tuesday, July 18

Departure from Normal Precipitation (in)
7/1/2023 - 7/15/2023

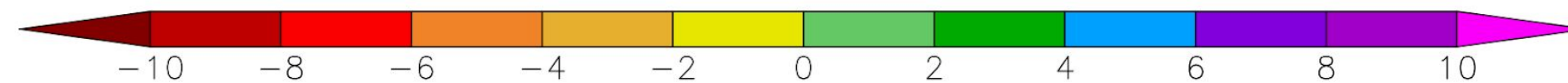


Generated 7/16/2023 at HPRCC using provisional data.

Departure from Normal Precipitation (in)
7/1/2023 - 7/15/2023



NOAA Regional Climate Centers



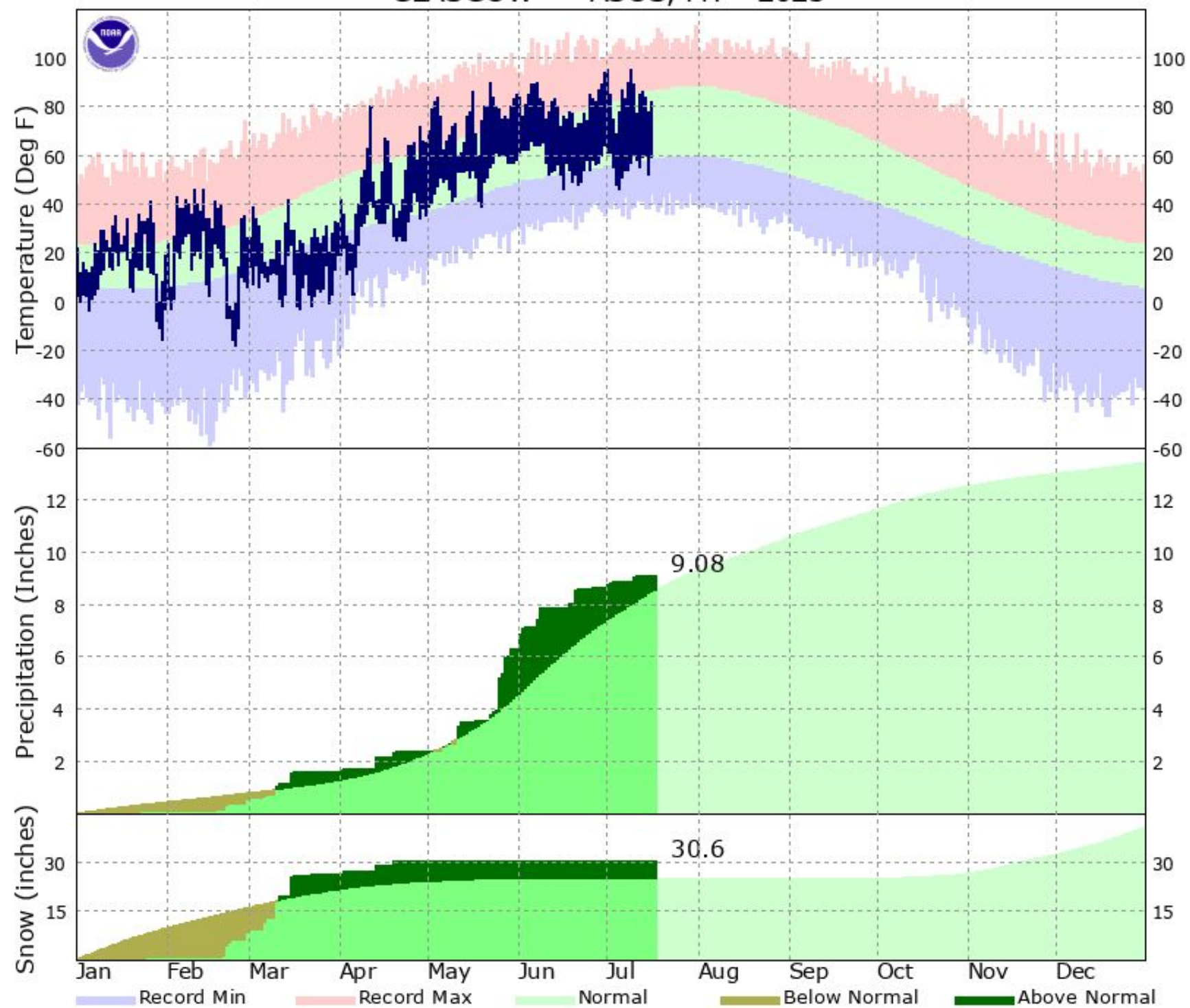
Generated 7/16/2023 at HPRCC using provisional data.

NOAA Regional Climate Center



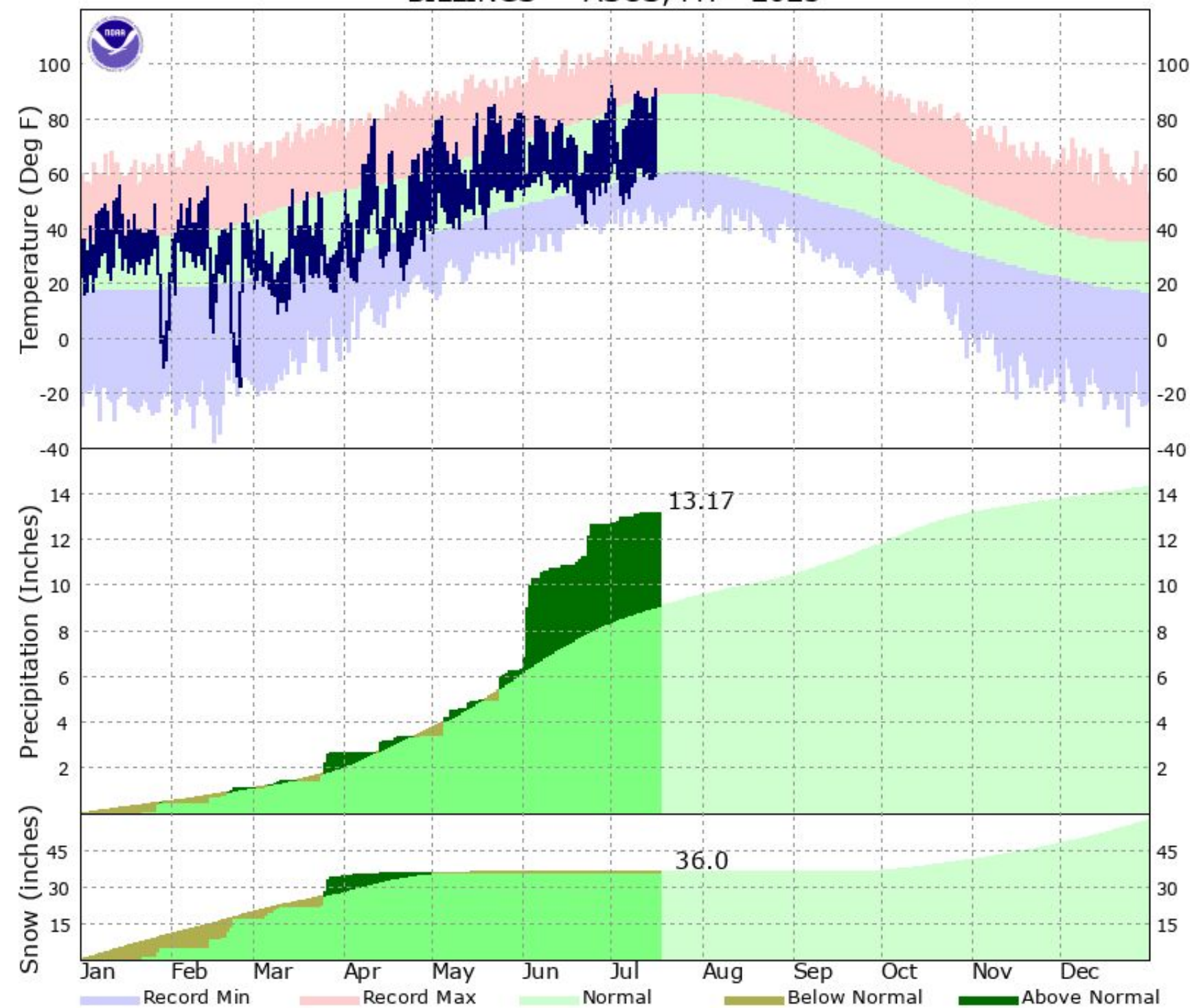
Climate Snapshots (2023 YTD)

GLASGOW ASOS, MT - 2023



- Glasgow 106% of normal ppn
 - 0.53" AHEAD since Jan 1

BILLINGS ASOS, MT - 2023

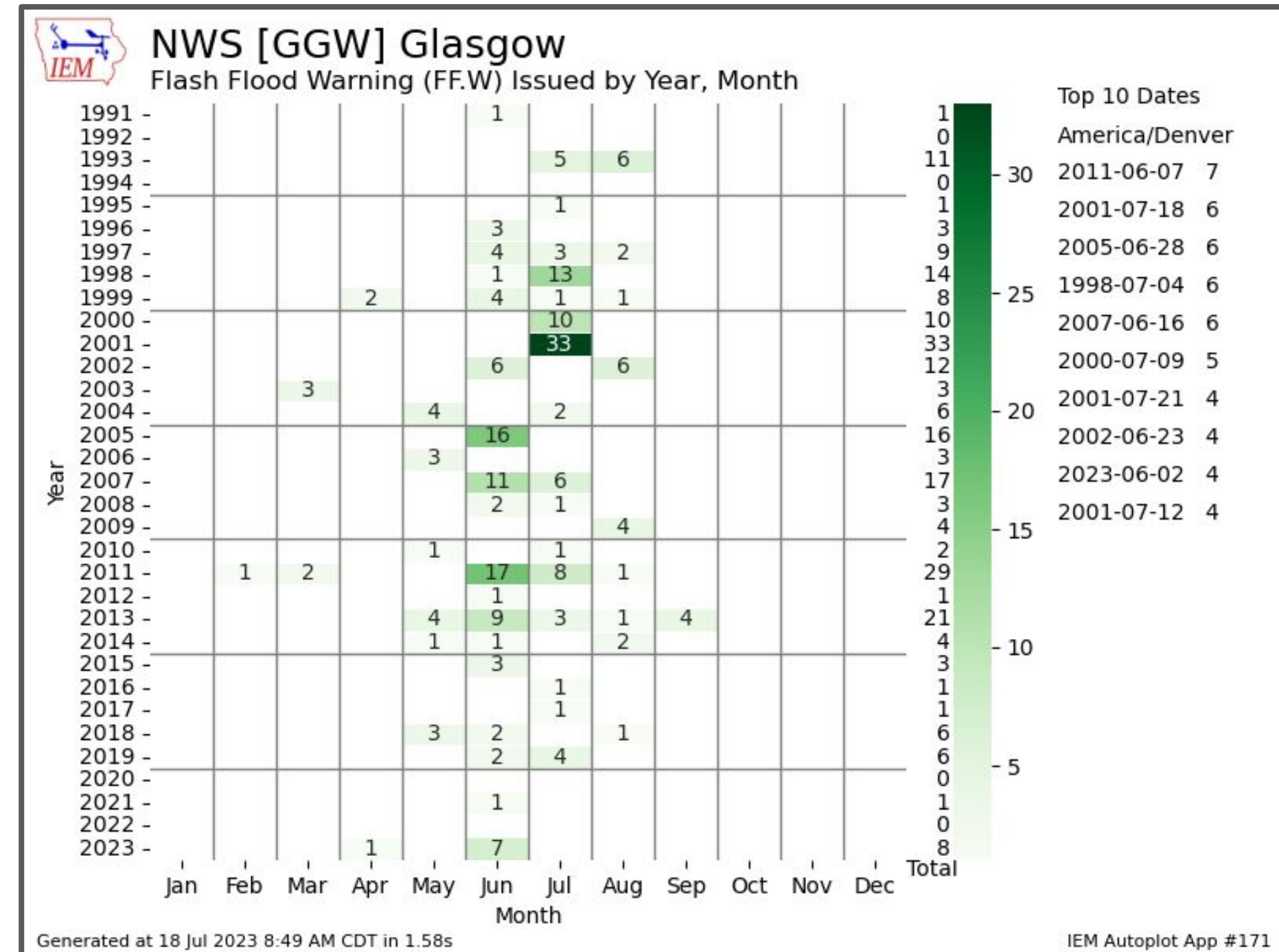
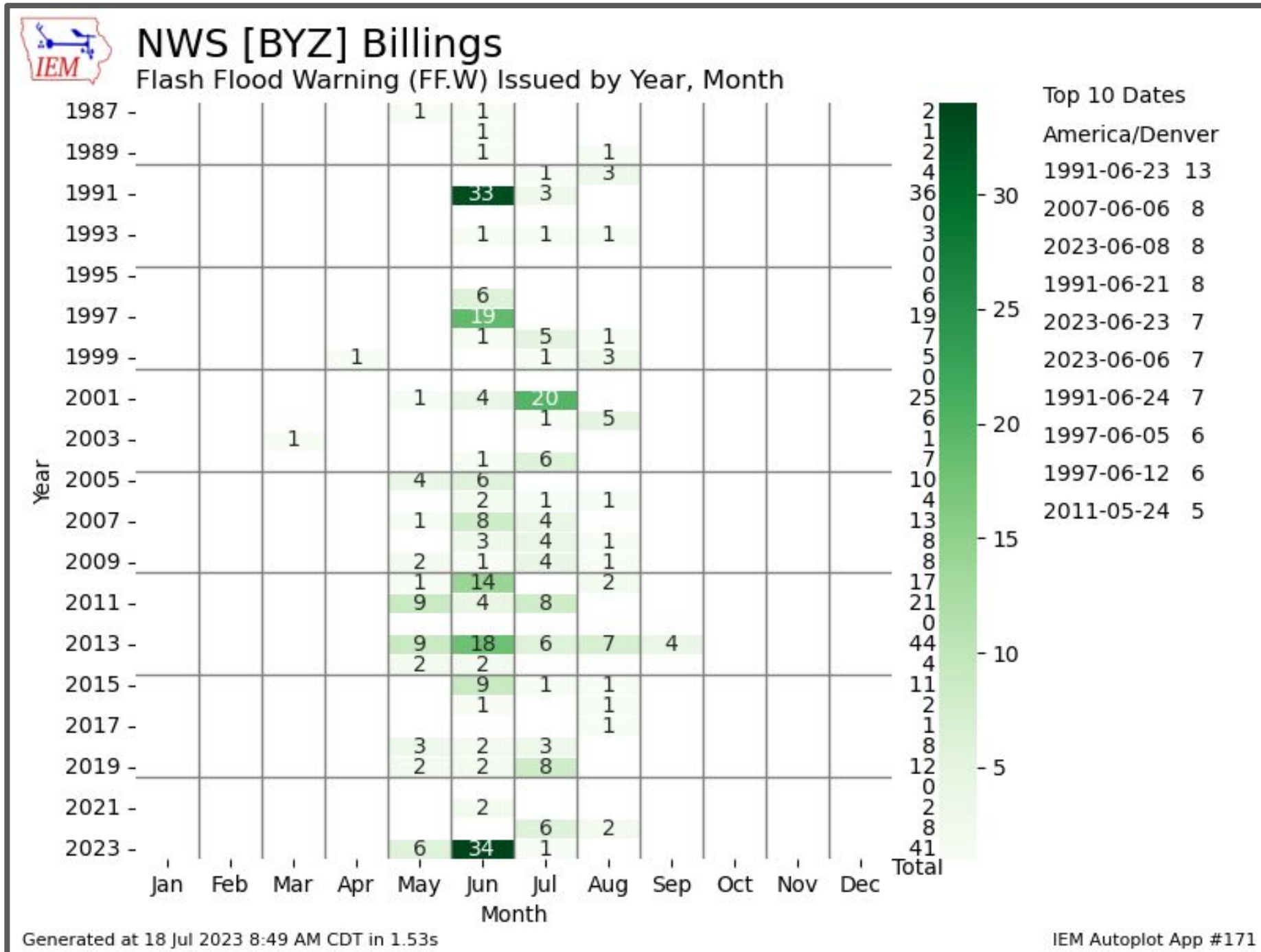


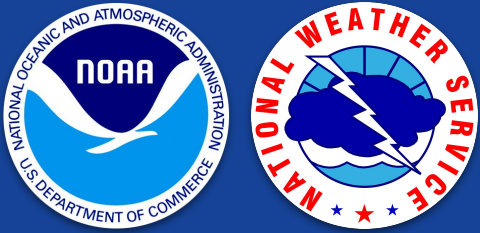
- Billings 145% of normal ppn
 - 4.11" AHEAD since Jan 1

<https://www.wrh.noaa.gov/climate/yeardisp.php?wfo=ggw&stn=KGGW&submit=Yearly+Charts>
<https://www.wrh.noaa.gov/climate/yeardisp.php?wfo=byz&stn=KBIL&submit=Yearly+Charts>



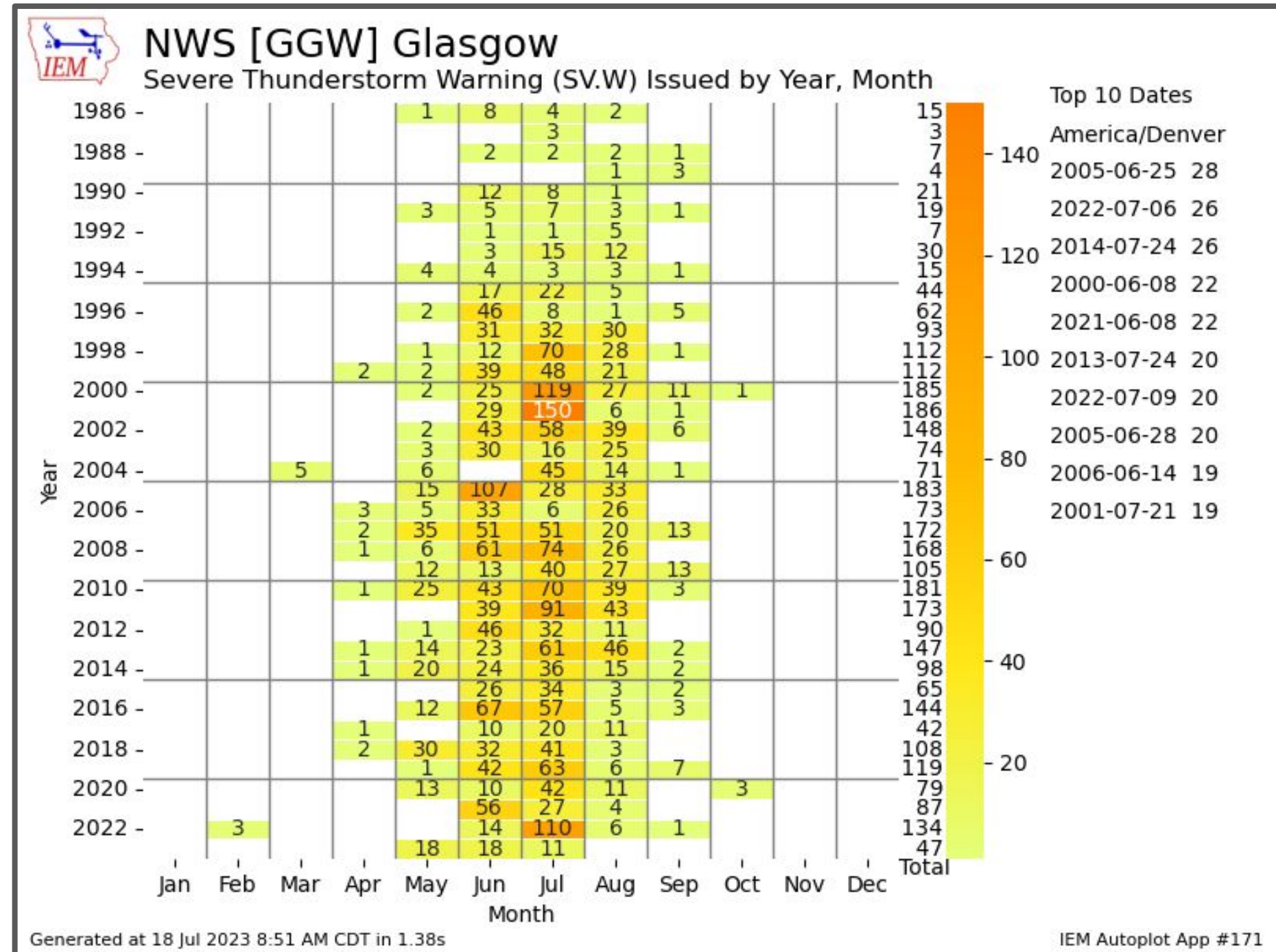
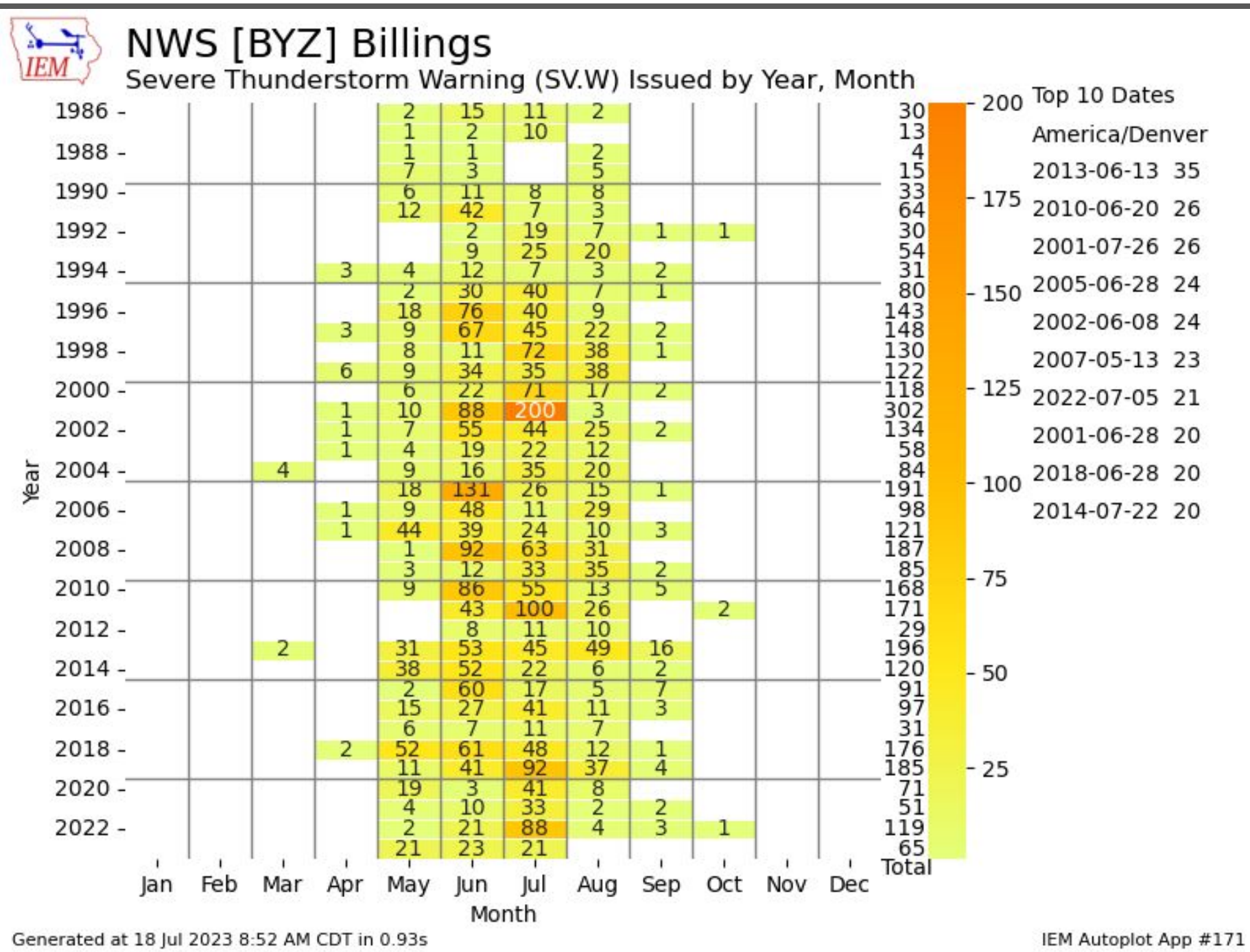
Flash Flood Warning Count





Severe Thunderstorm Warning Count

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Billings & Glasgow, MT
Tuesday, July 18

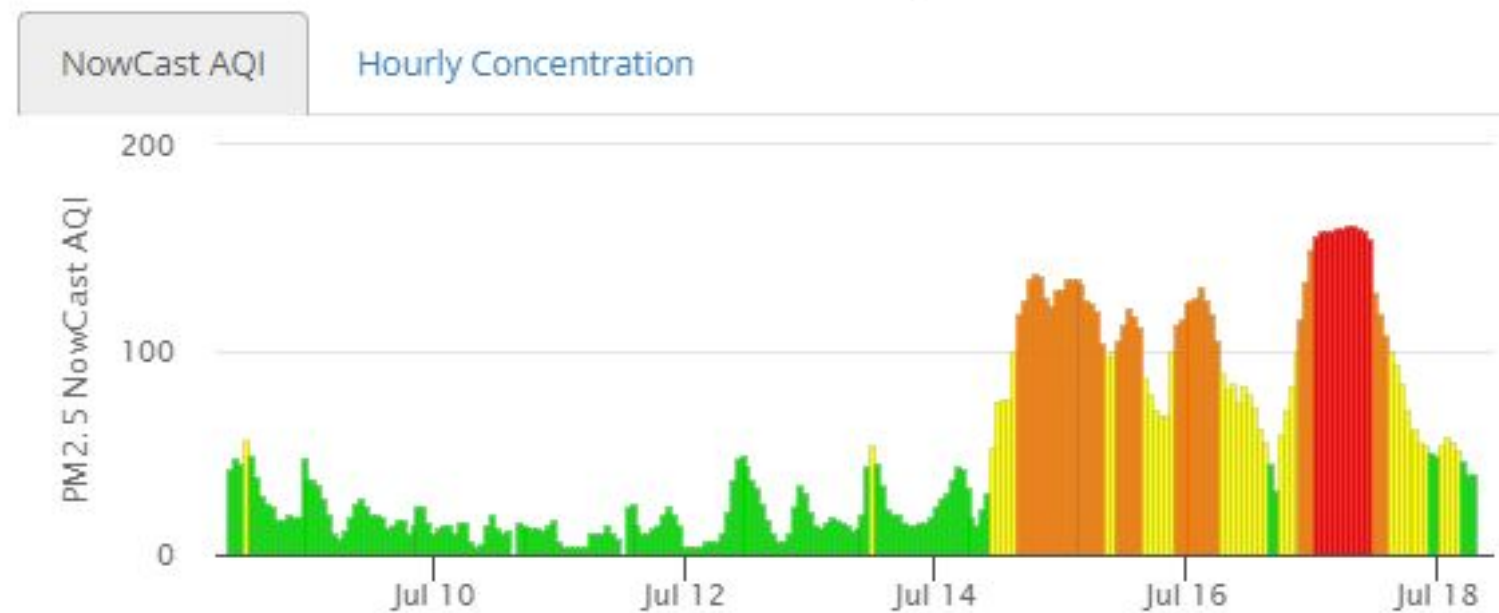




Recent Smoke

Billings

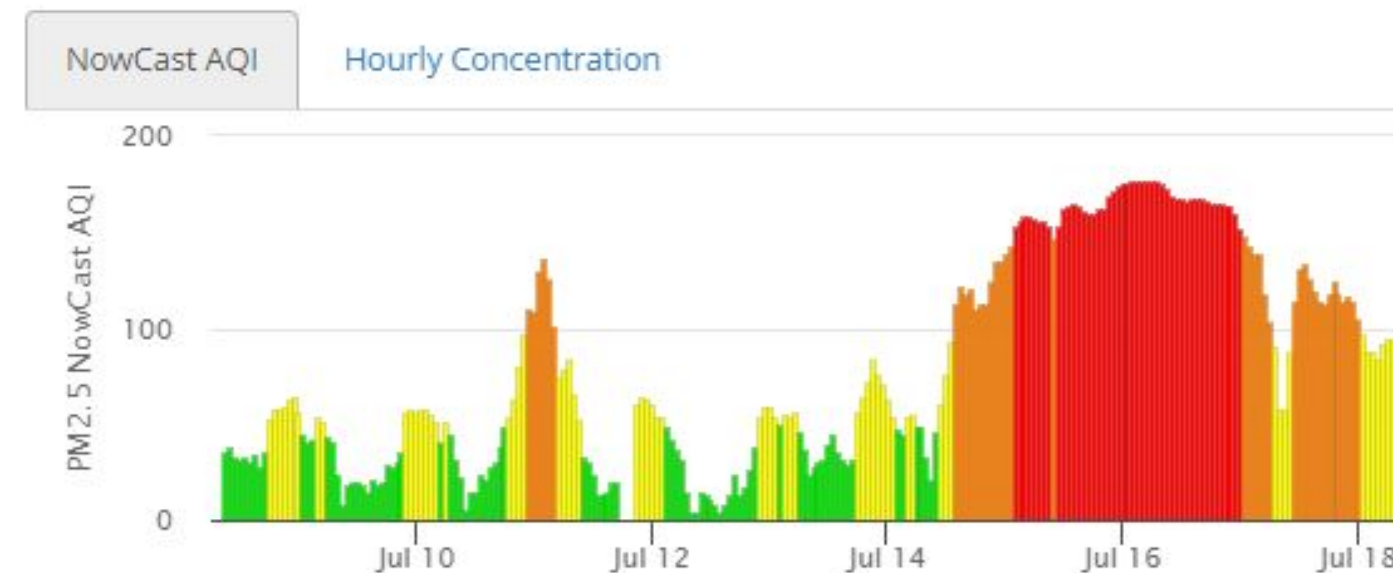
Recent History



Latest PM2.5 NowCast AQI: 30 at 7/18/23 7am MDT

Miles City

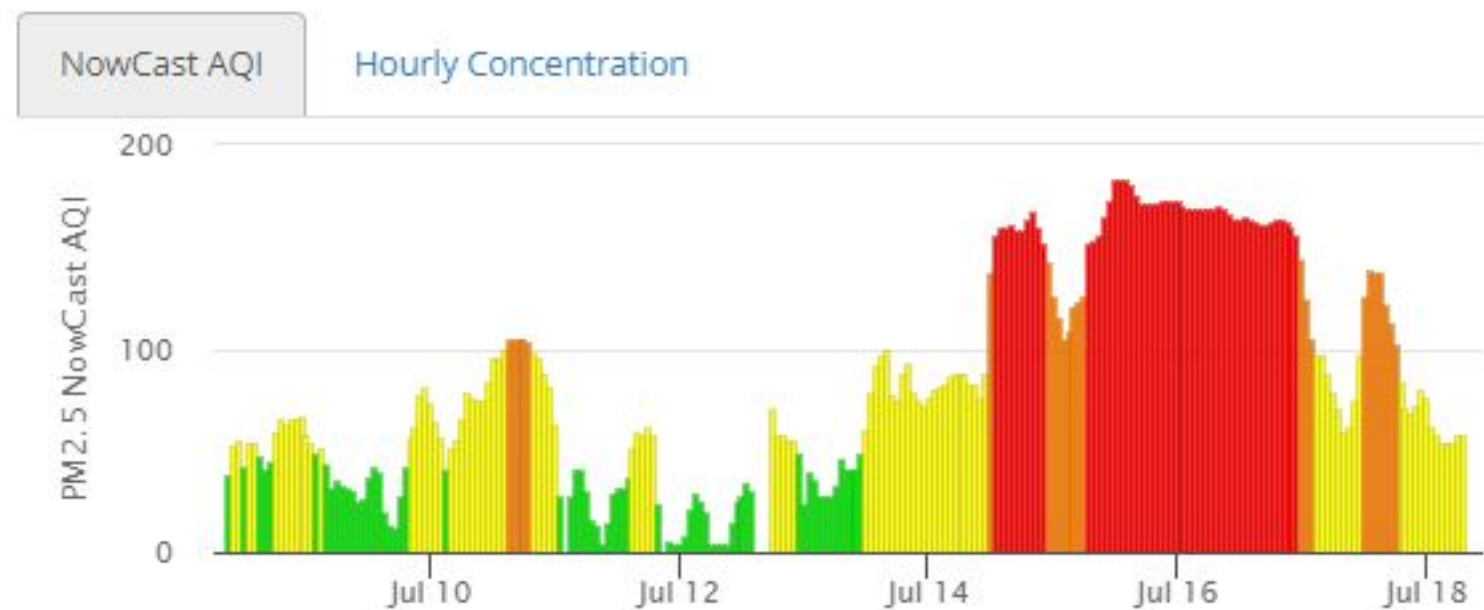
Recent History



Latest PM2.5 NowCast AQI: 91 at 7/18/23 7am MDT

Malta

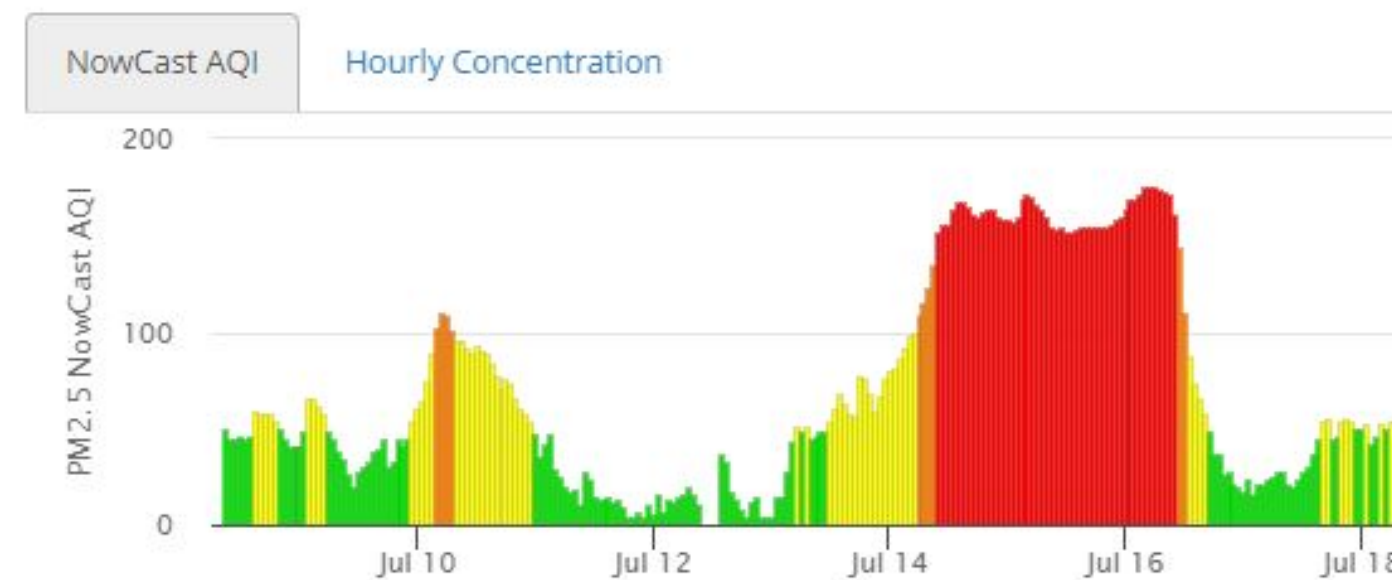
Recent History



Latest PM2.5 NowCast AQI: 52 at 7/18/23 7am MDT

Sidney

Recent History



Latest PM2.5 NowCast AQI: 56 at 7/18/23 7am MDT



Hail

Tennis Ball Sized Hail Decker, MT | July 11



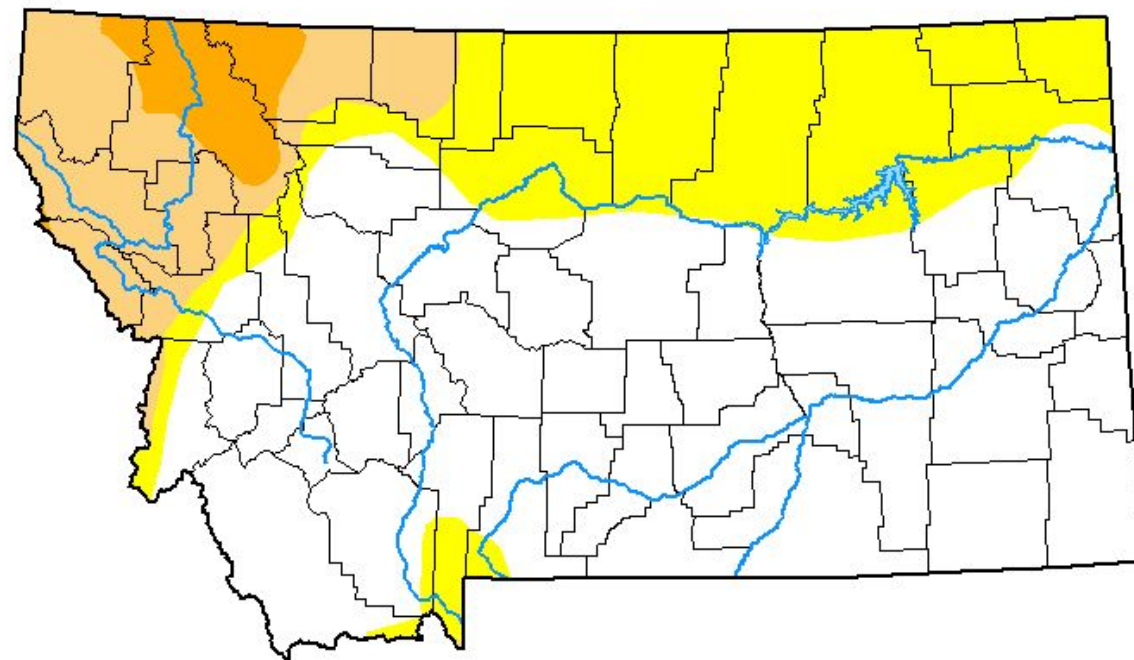


Drought Monitor - Montana & Wyoming

Weather Forecast Office
Billings & Glasgow, MT
Tuesday, July 18

U.S. Drought Monitor Montana

July 11, 2023
(Released Thursday, Jul. 13, 2023)
Valid 8 a.m. EDT



- Intensity:**
- None
 - D0 Abnormally Dry
 - D1 Moderate Drought
 - D2 Severe Drought
 - D3 Extreme Drought
 - D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

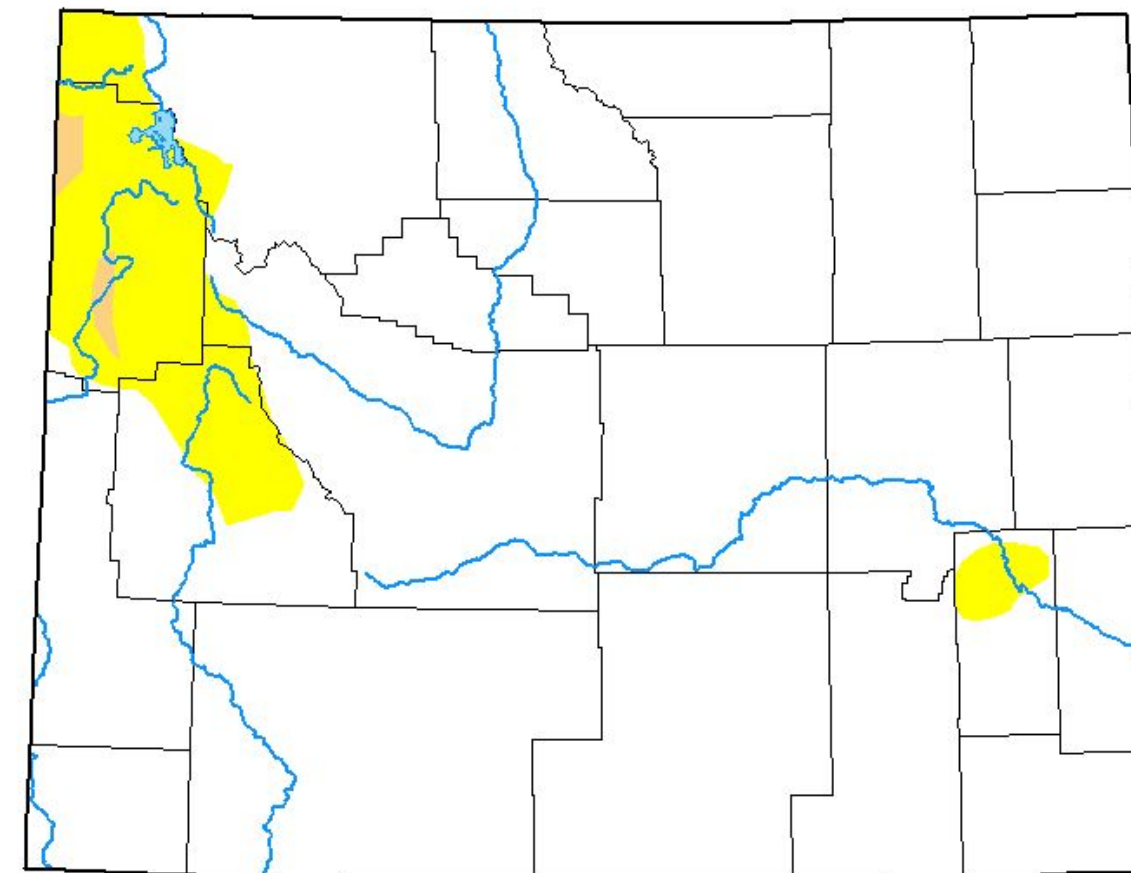
Author:
Richard Tinker
CPC/NOAA/NWS/NCEP



droughtmonitor.unl.edu

U.S. Drought Monitor Wyoming

July 11, 2023
(Released Thursday, Jul. 13, 2023)
Valid 8 a.m. EDT



- Intensity:**
- None
 - D0 Abnormally Dry
 - D1 Moderate Drought
 - D2 Severe Drought
 - D3 Extreme Drought
 - D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:
Richard Tinker
CPC/NOAA/NWS/NCEP



droughtmonitor.unl.edu

Report Drought Impacts!

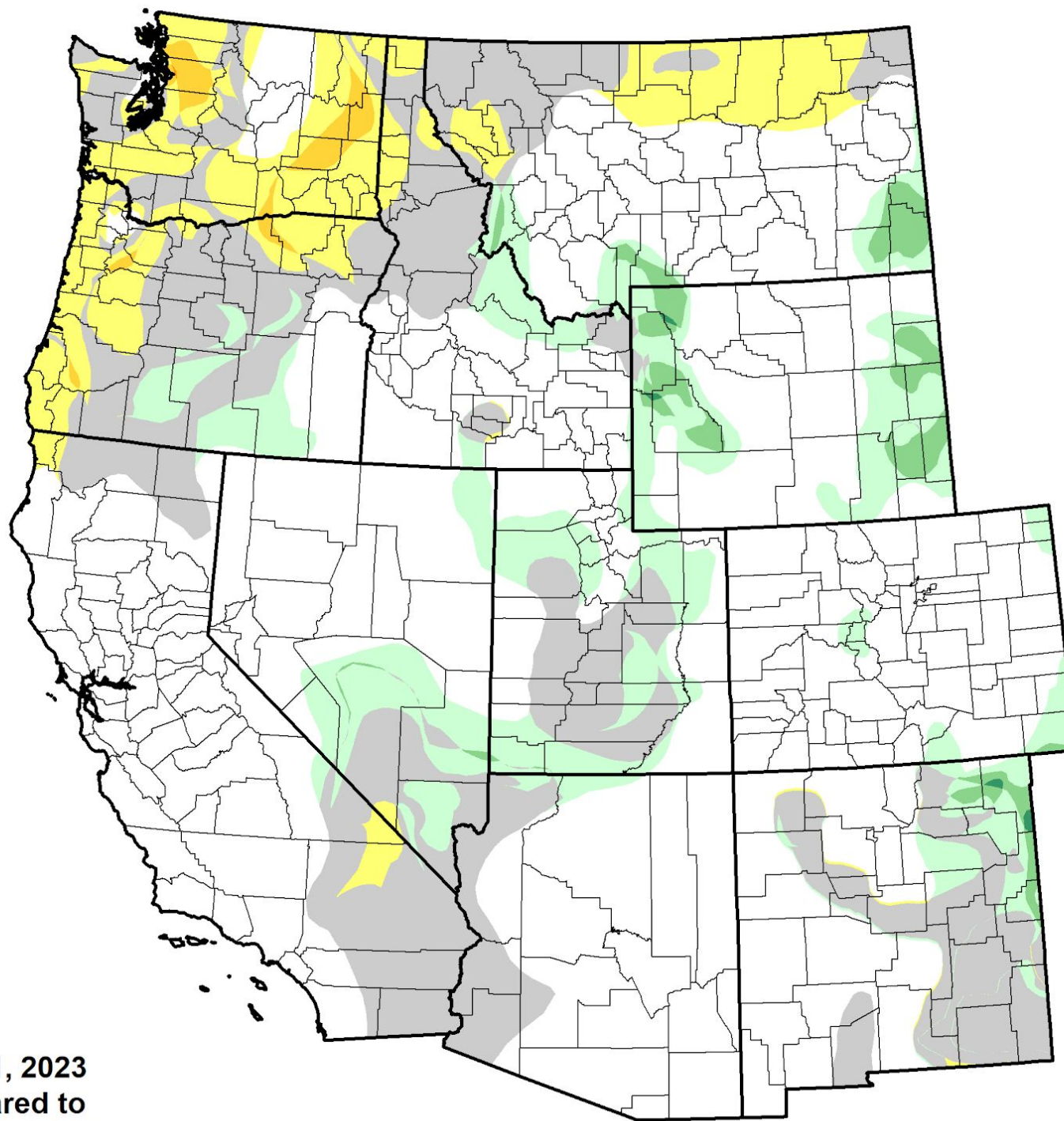
[National](#)
[Montana](#)



Drought Monitor 1-Month Change

Weather Forecast Office
Billings & Glasgow, MT
Tuesday, July 18












U.S. Drought Monitor Class Change - West 4 Week



July 11, 2023
compared to
June 13, 2023

droughtmonitor.unl.edu



-  5 Class Degradation
-  4 Class Degradation
-  3 Class Degradation
-  2 Class Degradation
-  1 Class Degradation
-  No Change
-  1 Class Improvement
-  2 Class Improvement
-  3 Class Improvement
-  4 Class Improvement
-  5 Class Improvement

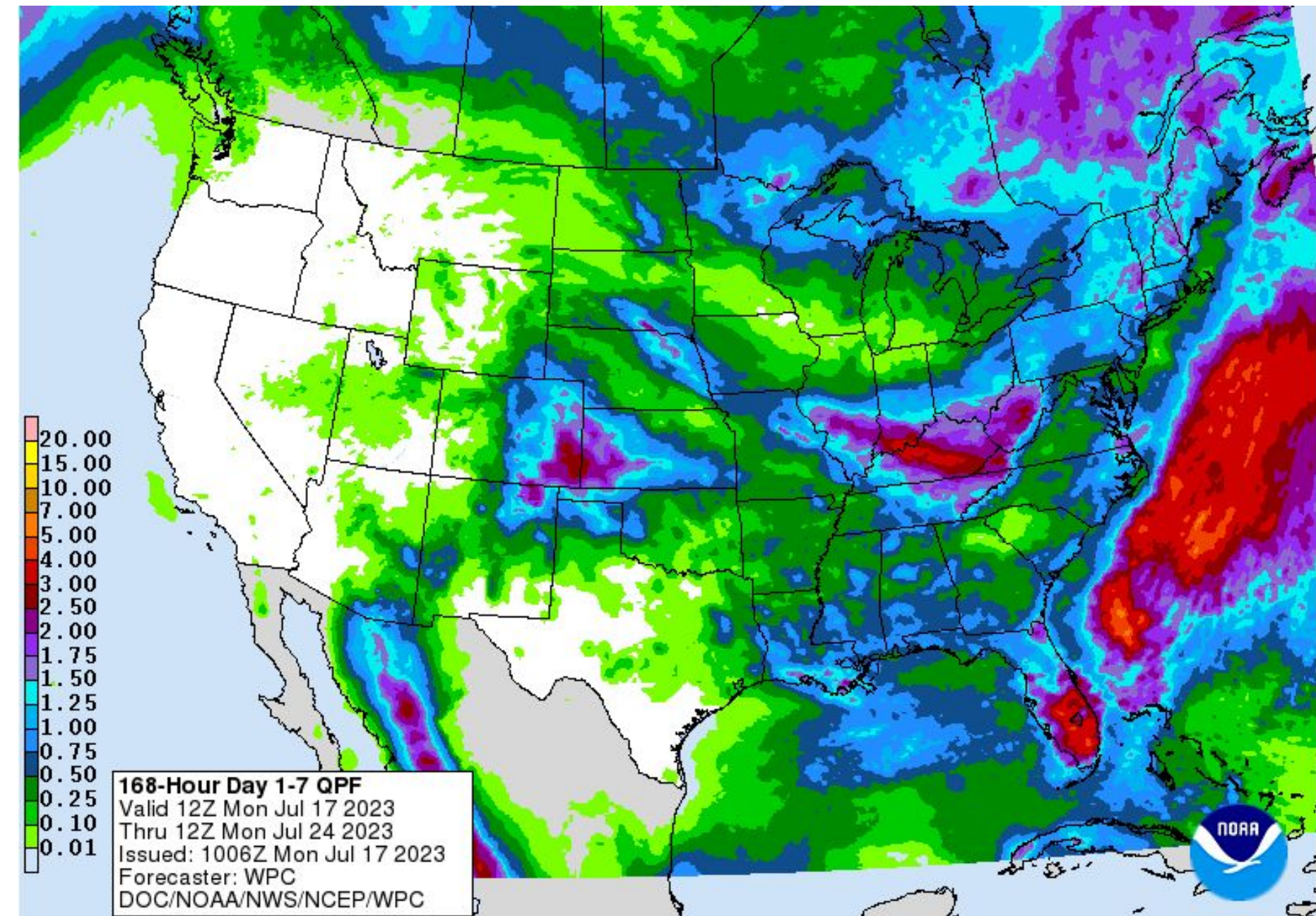


Short-Term Weather Risk Outlook & Forecast

Weather Forecast Office
Billings & Glasgow, MT
Tuesday, July 18

	Tuesday, July 18	Wednesday, July 19	Thursday, July 20	Friday, July 21	Saturday, July 22	Sunday, July 23	Monday, July 24
Eastern MT			Thunderstorms		Heat	Heat	Heat

- Small chance for thunderstorms on Thursday
- High chance for above normal temperatures this weekend
 - Flirting with reaching 100°F
 - Hottest temperatures we've seen so far this year
- Temperatures warm back up starting next week.



Risk Levels	Little to None	Minor	Moderate	Major	Extreme
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8 - 14 Day Outlook

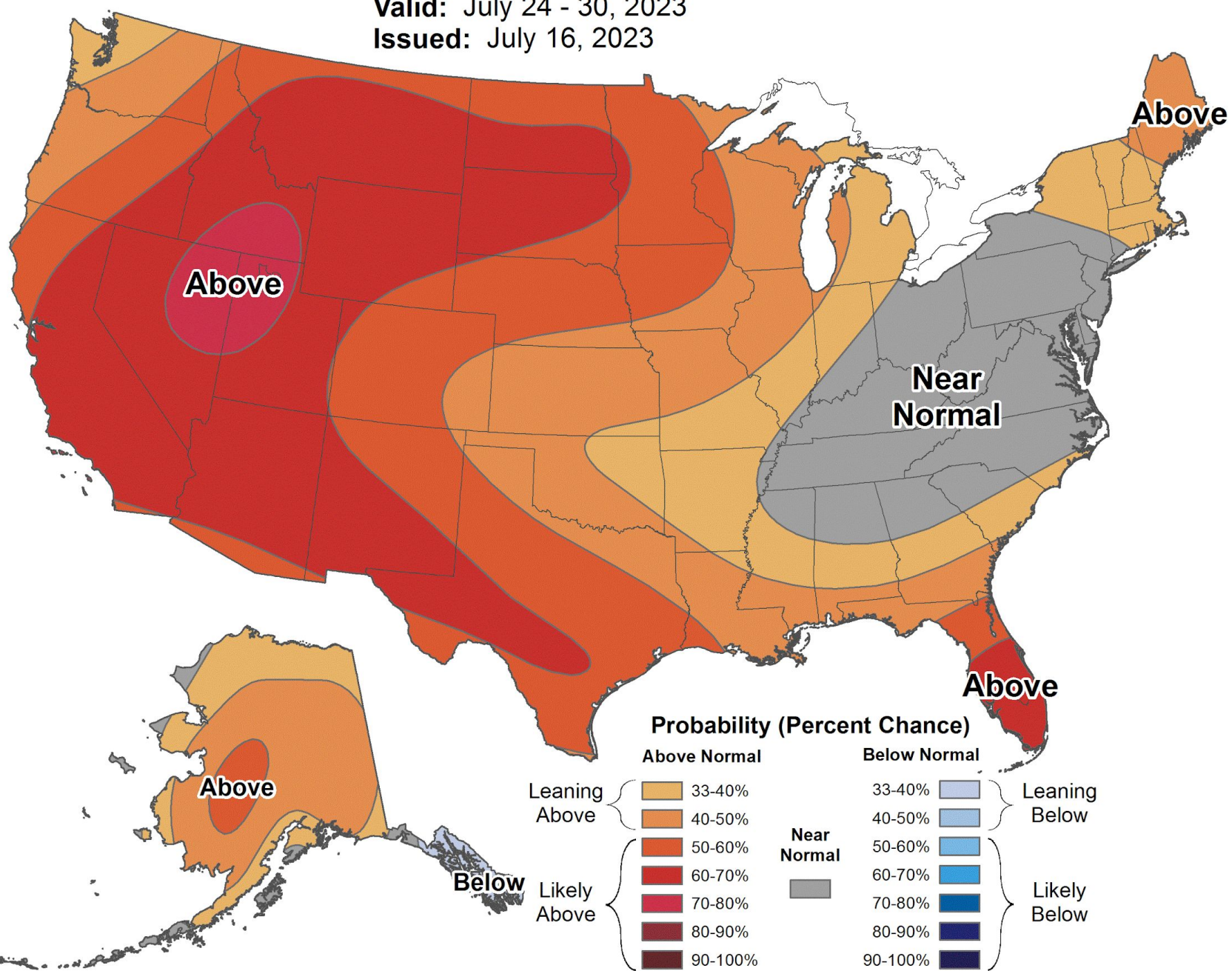
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Billings & Glasgow, MT
Tuesday, July 18



8-14 Day Temperature Outlook



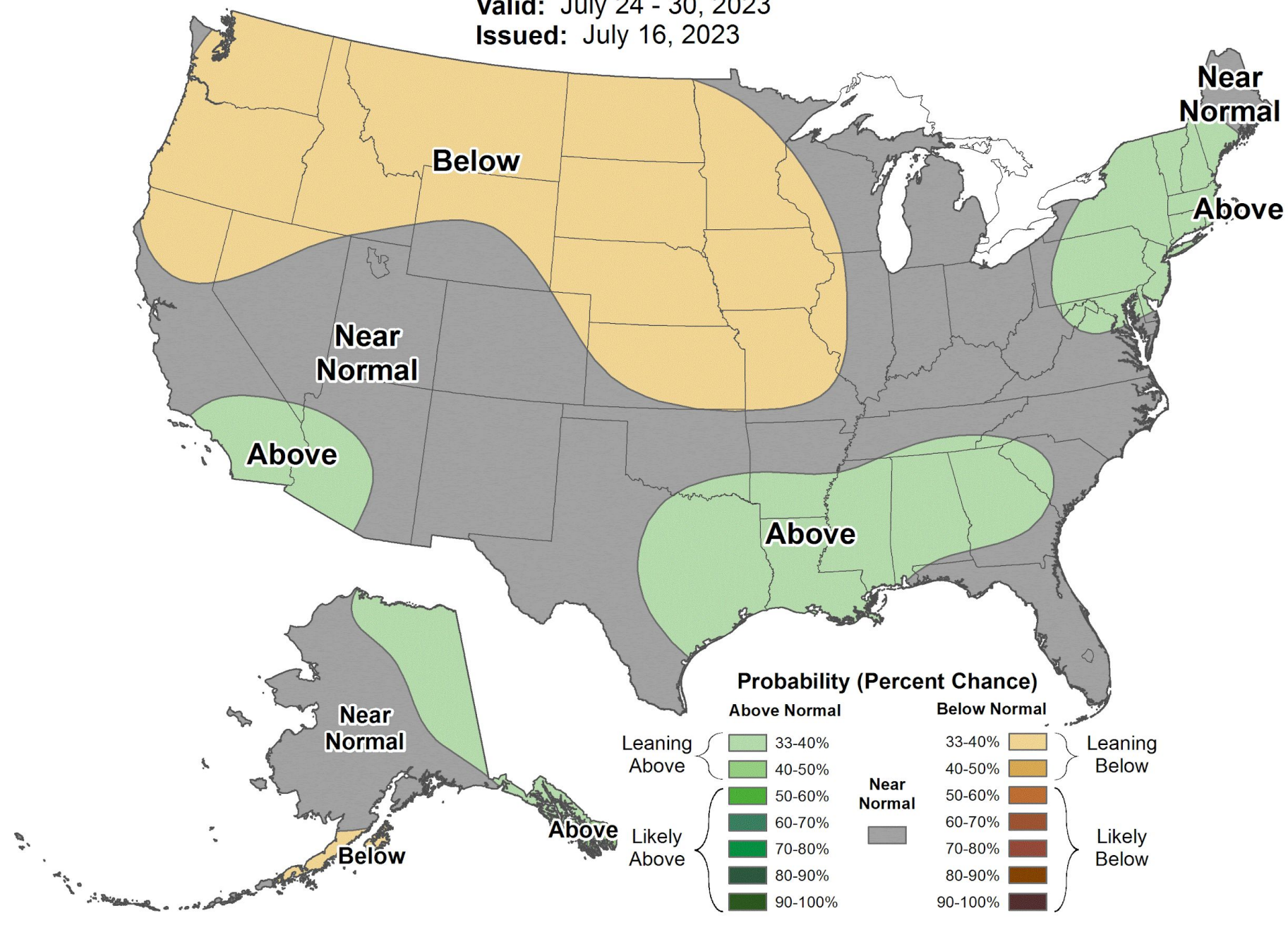
Valid: July 24 - 30, 2023
Issued: July 16, 2023



8-14 Day Precipitation Outlook



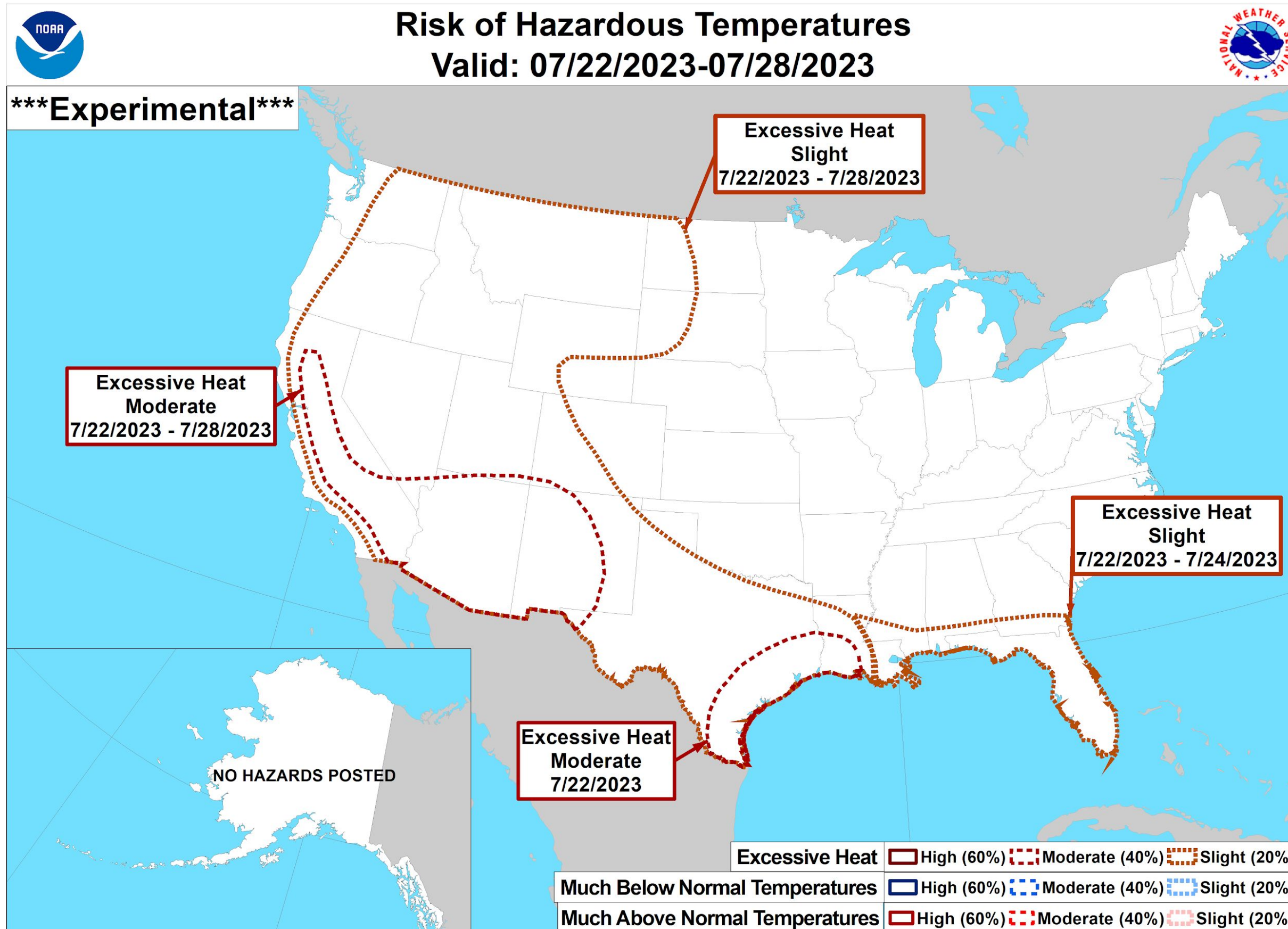
Valid: July 24 - 30, 2023
Issued: July 16, 2023





8-14 Day Risk of Hazardous Temps

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Billings & Glasgow, MT
Tuesday, July 18



Climate Prediction Center

Made: 07/14/2023 3PM EDT

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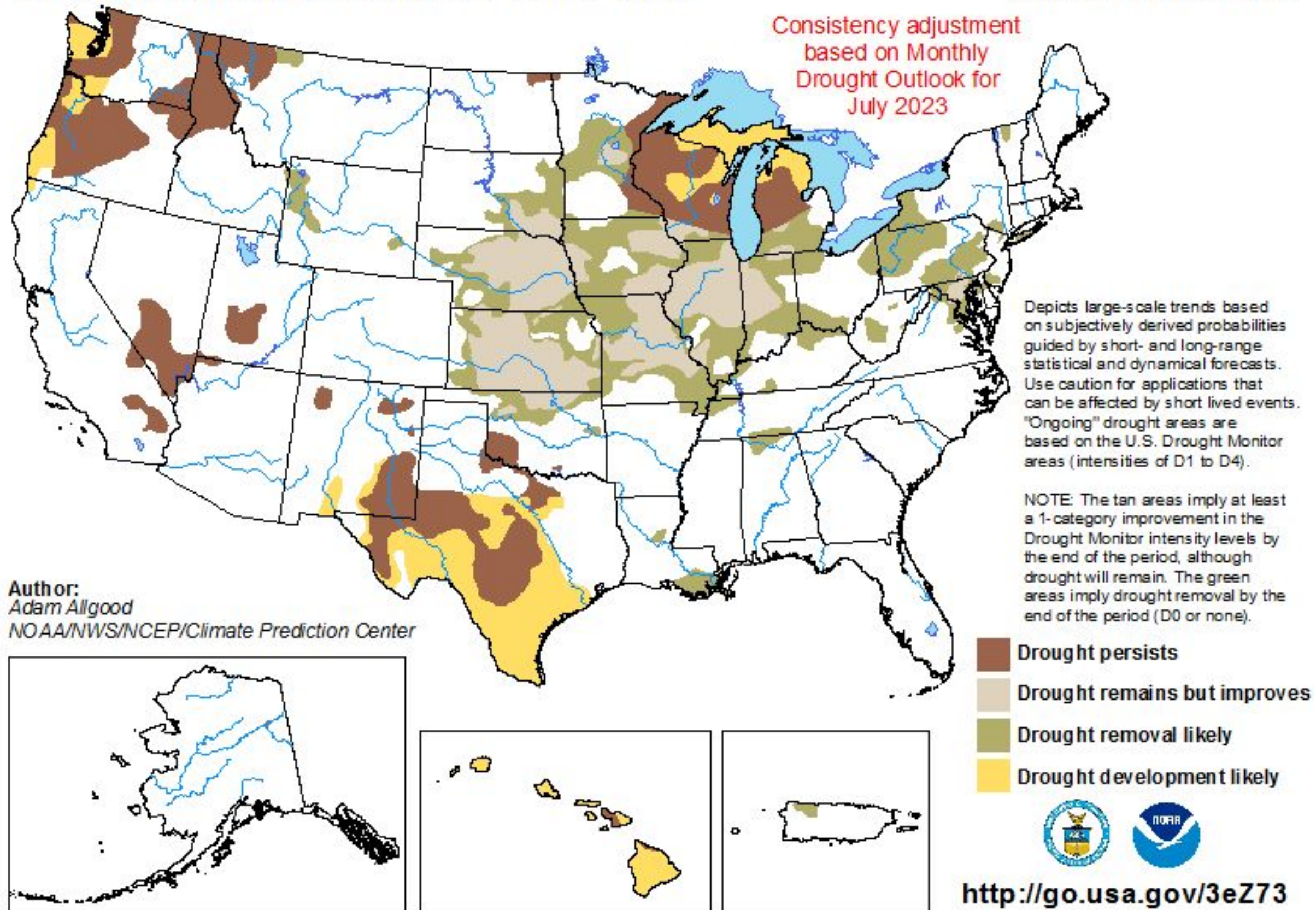


Seasonal Drought Outlook

Weather Forecast Office
Billings & Glasgow, MT
Tuesday, July 18

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

Valid for July 1 - September 30, 2023
Released June 30, 2023





Monthly Temp/Precip Outlook

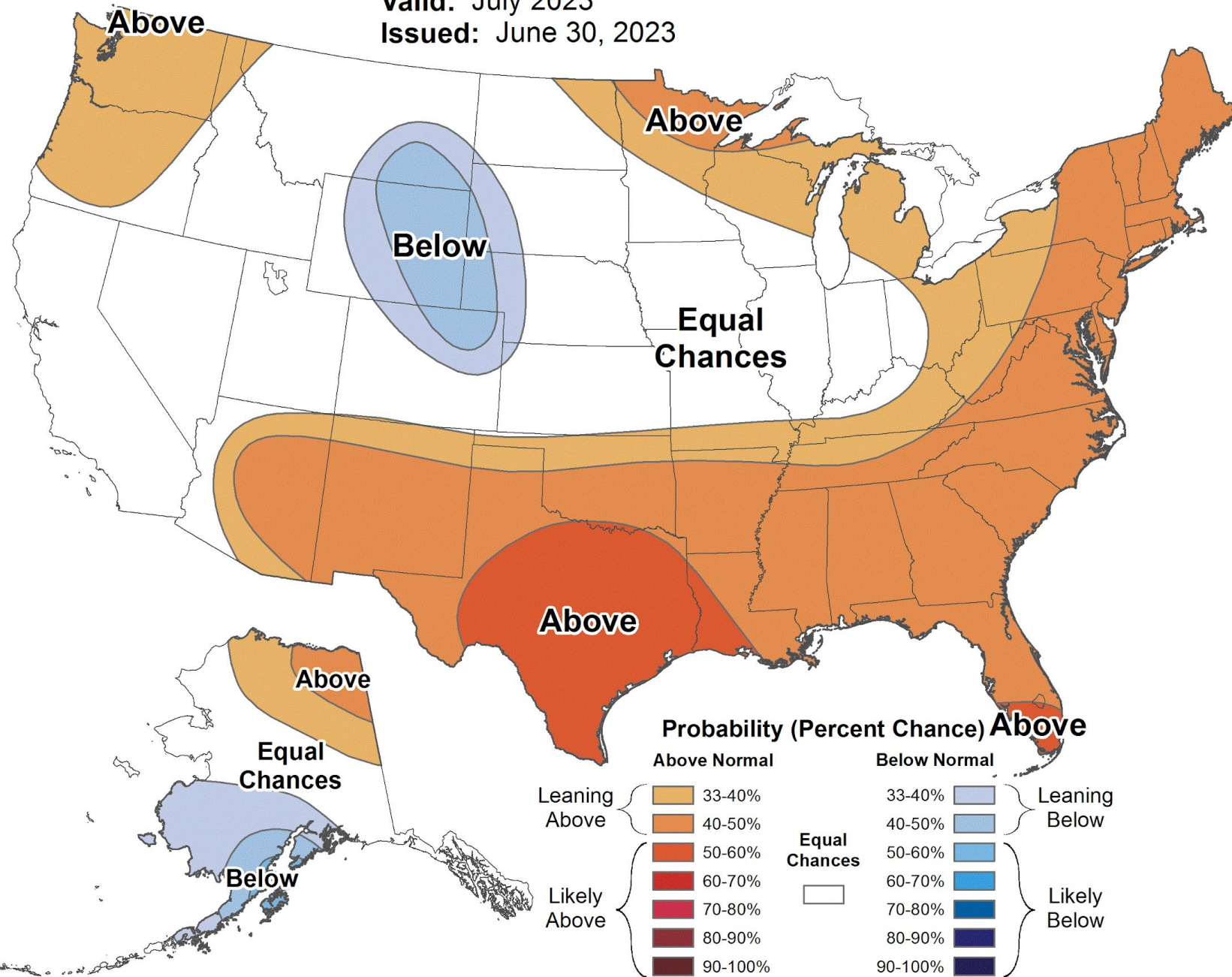
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Tuesday, July 18



Monthly Temperature Outlook



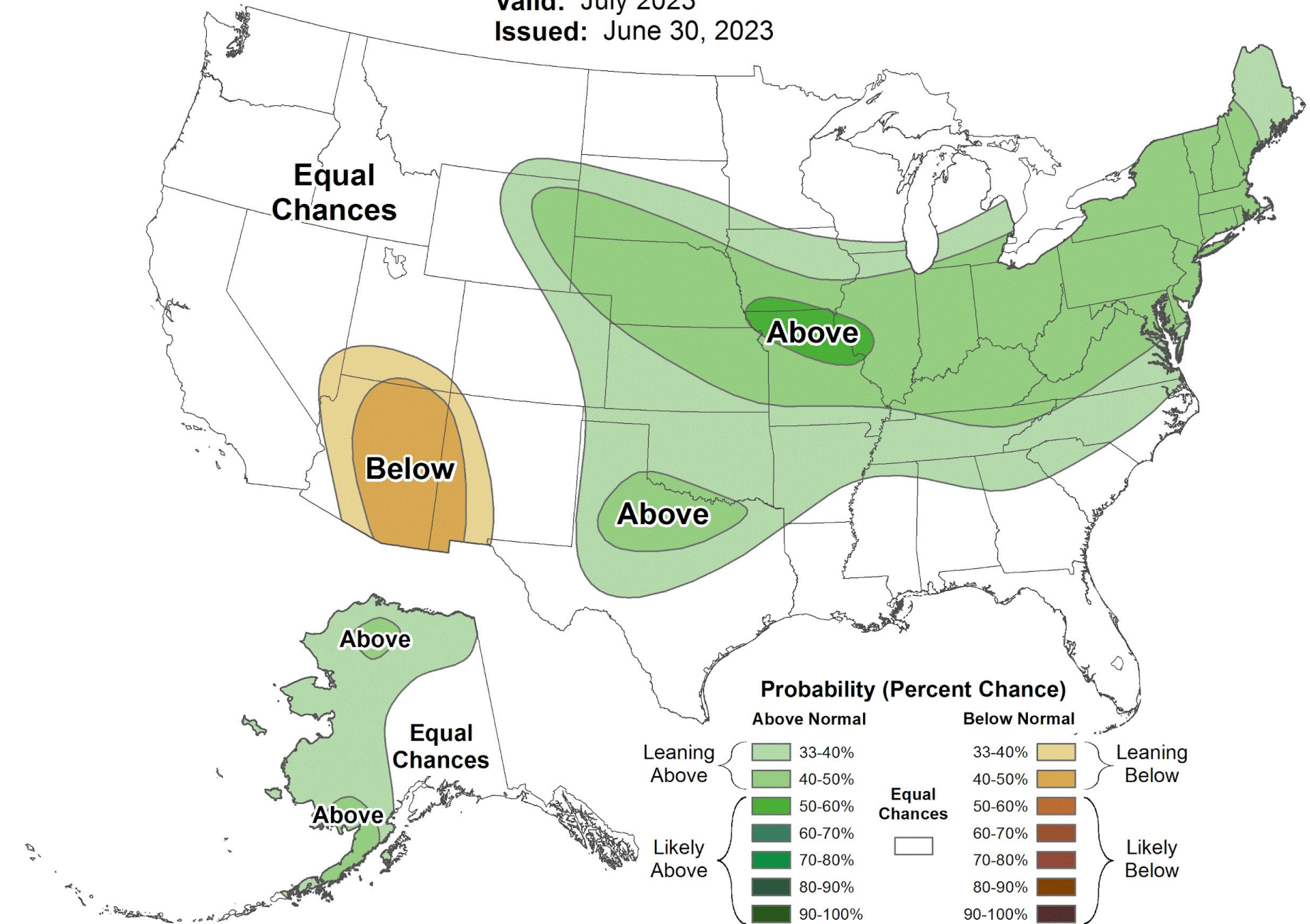
Valid: July 2023
Issued: June 30, 2023



Monthly Precipitation Outlook



Valid: July 2023
Issued: June 30, 2023





3 Month Temp/Precip Outlook

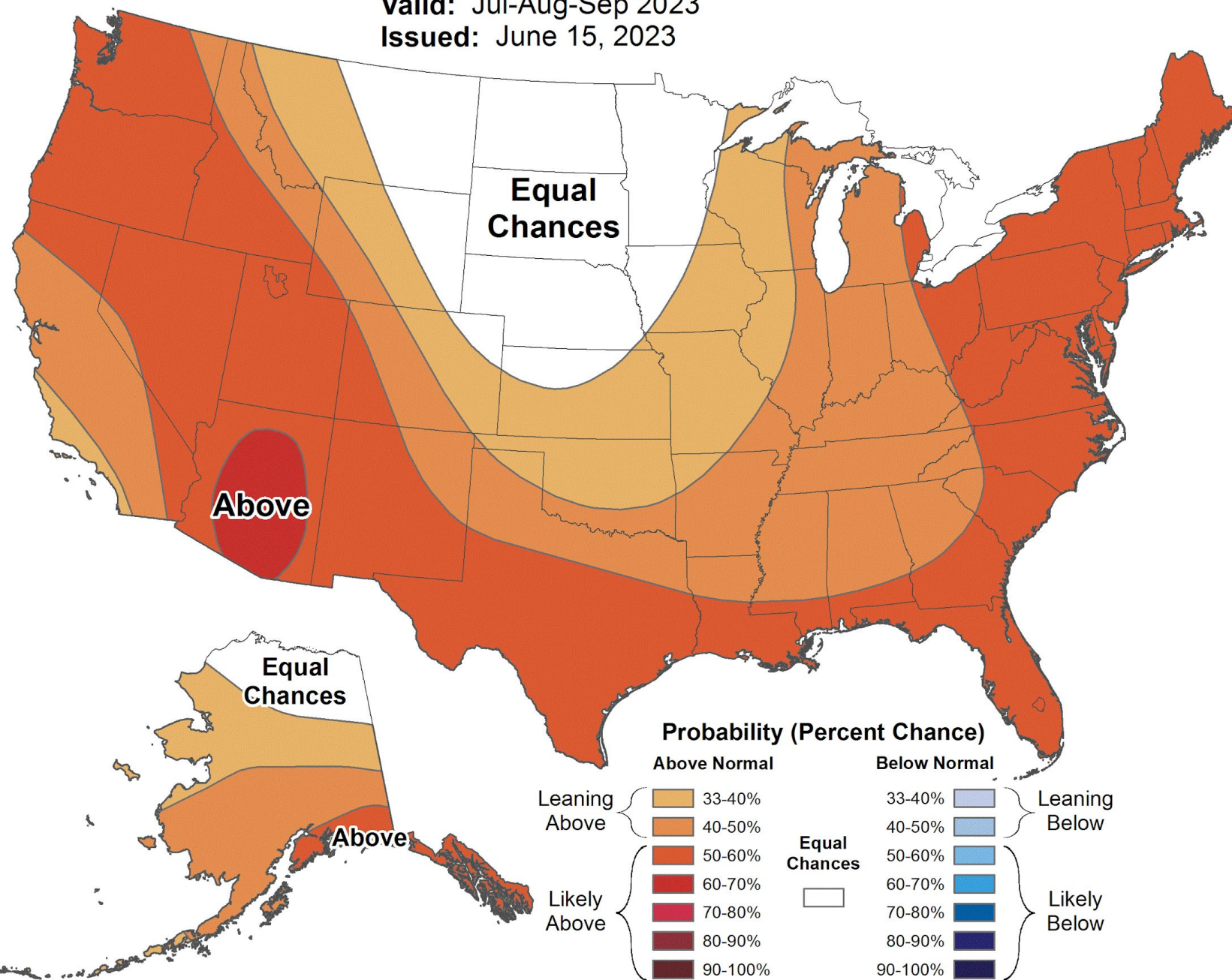
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Billings & Glasgow, MT
Tuesday, July 18



Seasonal Temperature Outlook



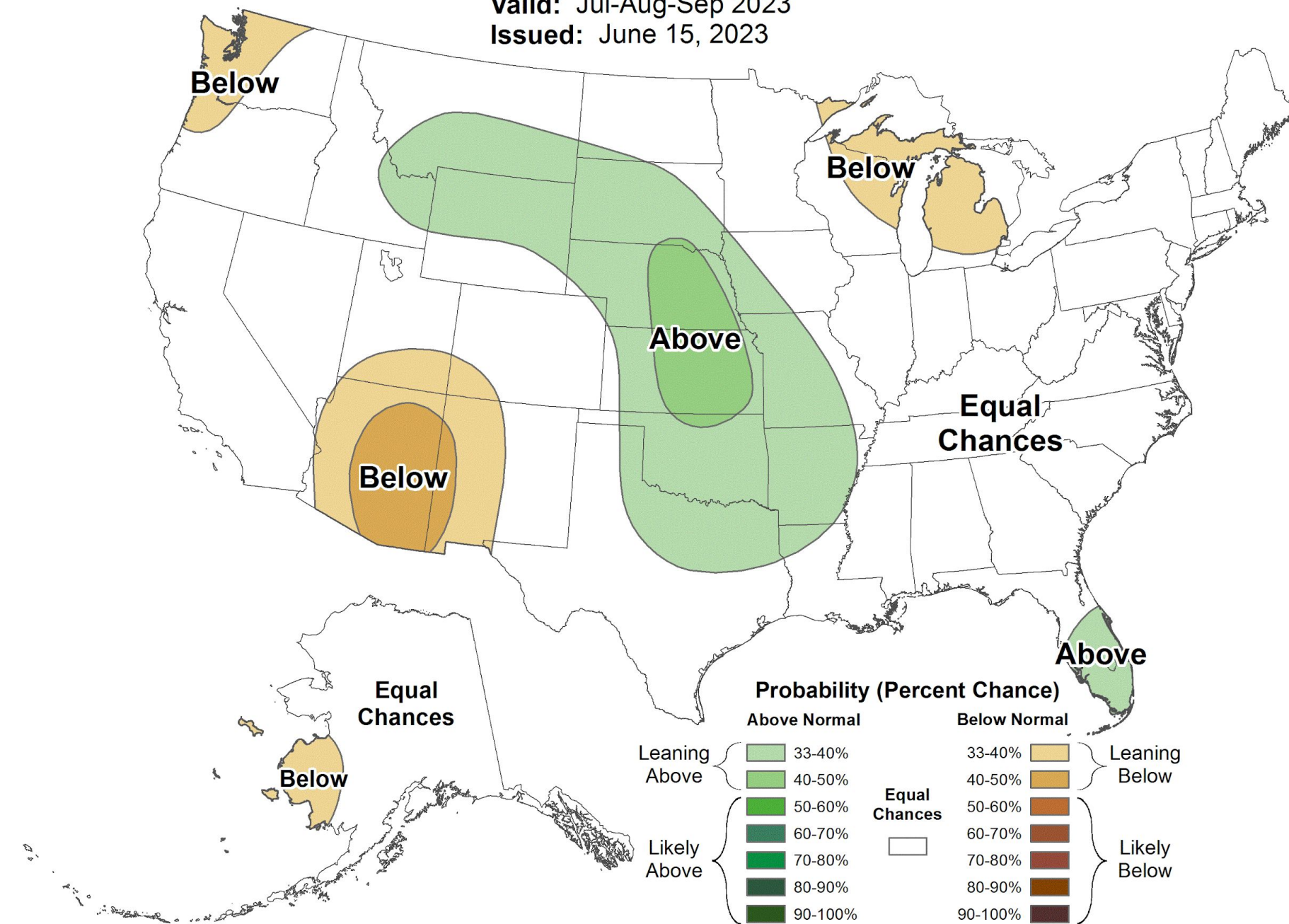
Valid: Jul-Aug-Sep 2023
Issued: June 15, 2023



Seasonal Precipitation Outlook



Valid: Jul-Aug-Sep 2023
Issued: June 15, 2023





Next Briefing

Weather Forecast Office
Billings & Glasgow, MT
Tuesday, July 18

Weather-Ready Monthly Briefing For Eastern Montana and Northern Wyoming

Next Briefing: August 22, 2023

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