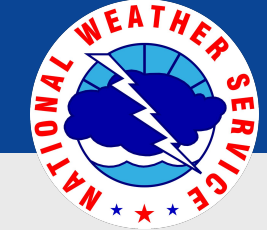




7-Day Weather Hazards

10:30 AM EDT
Friday, May 10, 2024

Prepared By WFO Baltimore/Washington

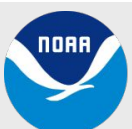


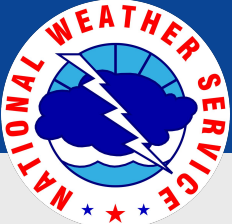
7-Day Weather Hazards

May 10, 2024
10:30 AM

Overview for the next 7 days

- **Sunday morning**
 - Moderate tidal/coastal flooding is possible around high tide.
- **Today through Thursday**
 - Otherwise, no hazardous weather is expected at this time.

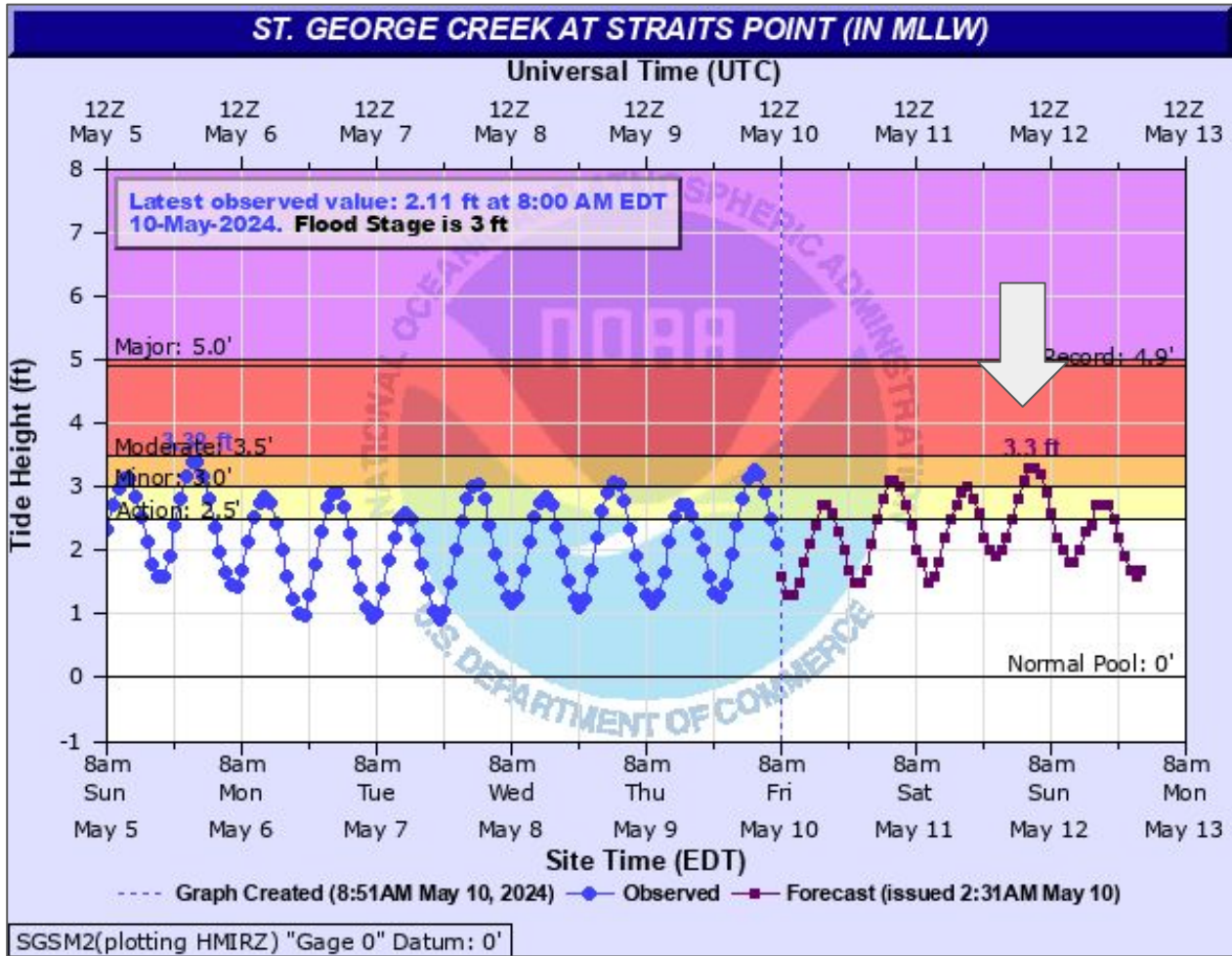
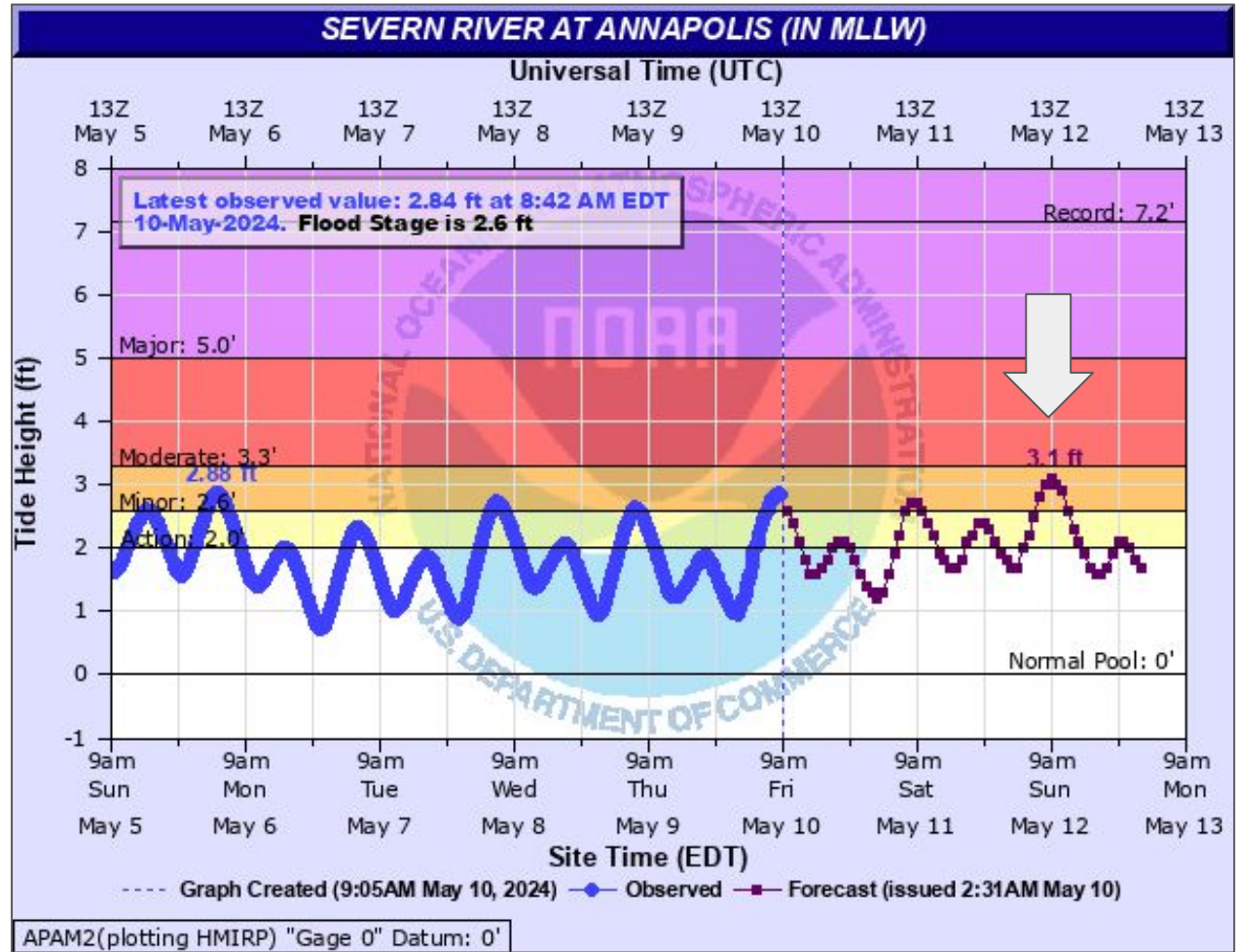




Moderate Tidal Flooding Possible

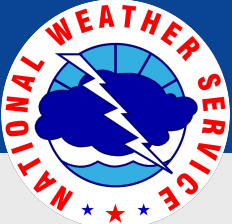
May 10, 2024
10:30 AM

Sunday Morning



- Minor tidal flooding expected at many locations, possibility for moderate.





8-14 Day Outlooks; May 17-23, 2024

May 10, 2024
10:30 AM

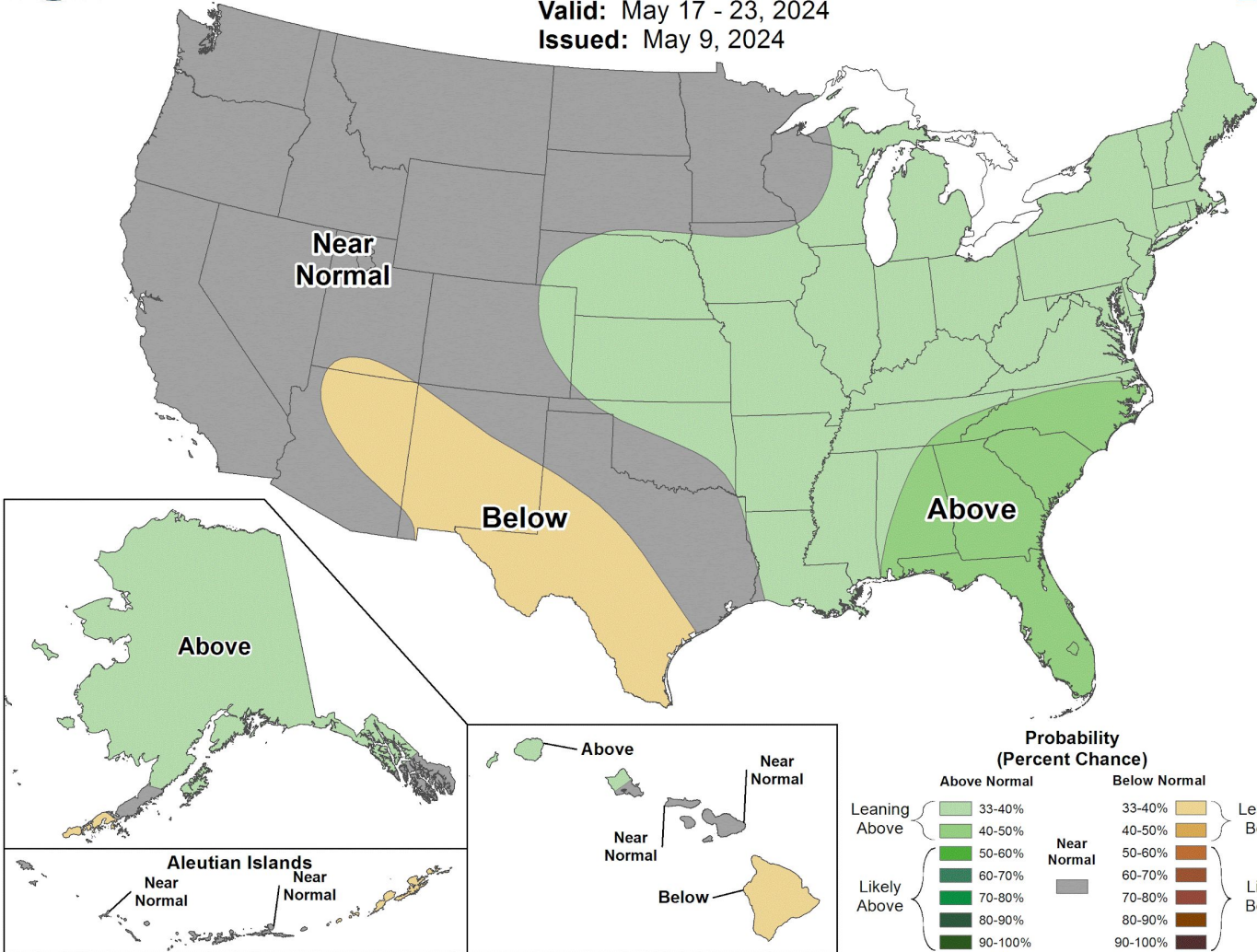
NWS Climate Prediction Center



8-14 Day Precipitation Outlook



Valid: May 17 - 23, 2024
Issued: May 9, 2024



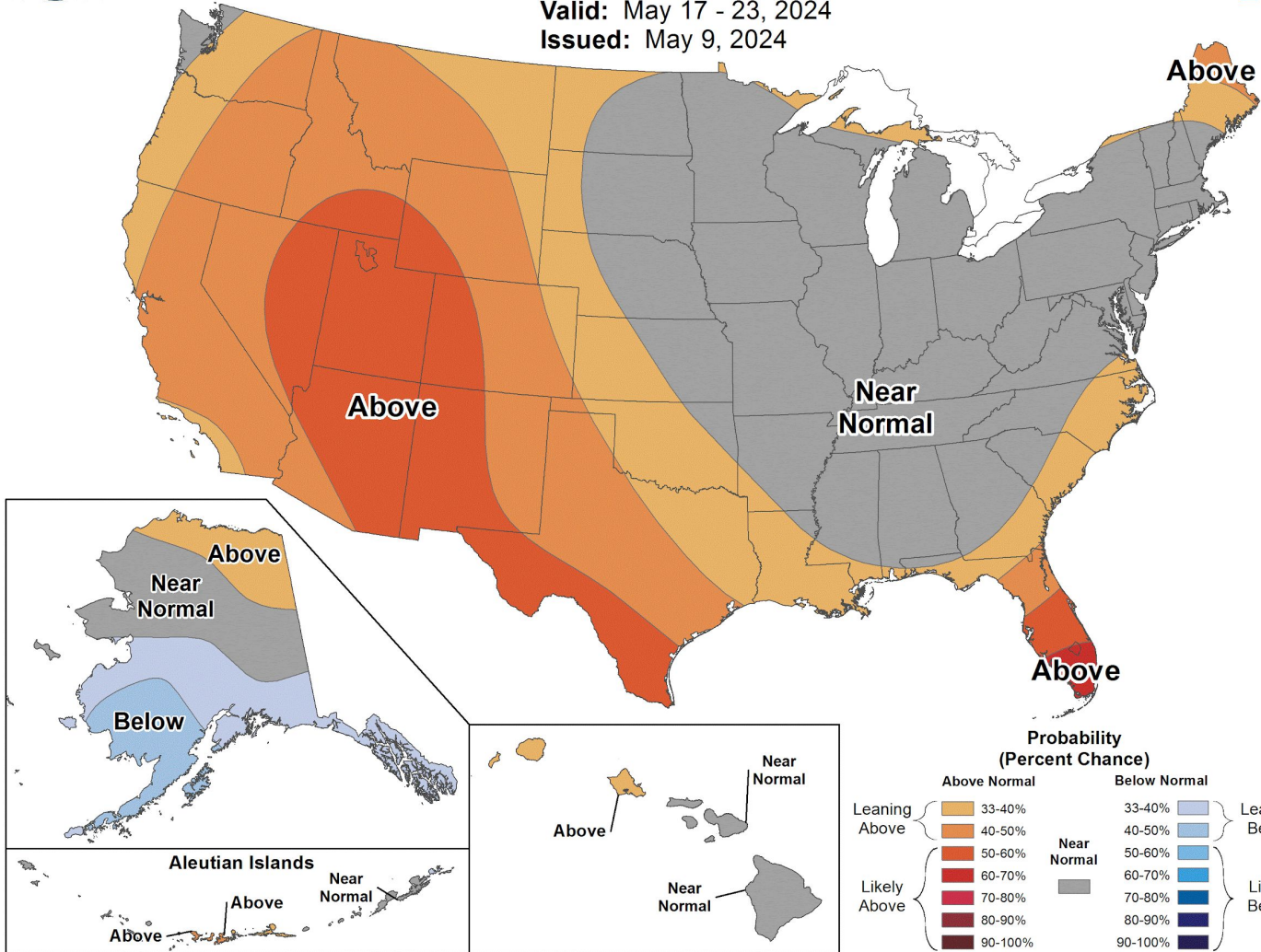
Leaning above normal rainfall



8-14 Day Temperature Outlook

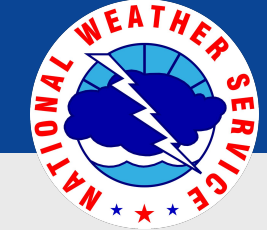


Valid: May 17 - 23, 2024
Issued: May 9, 2024



Near normal temperatures





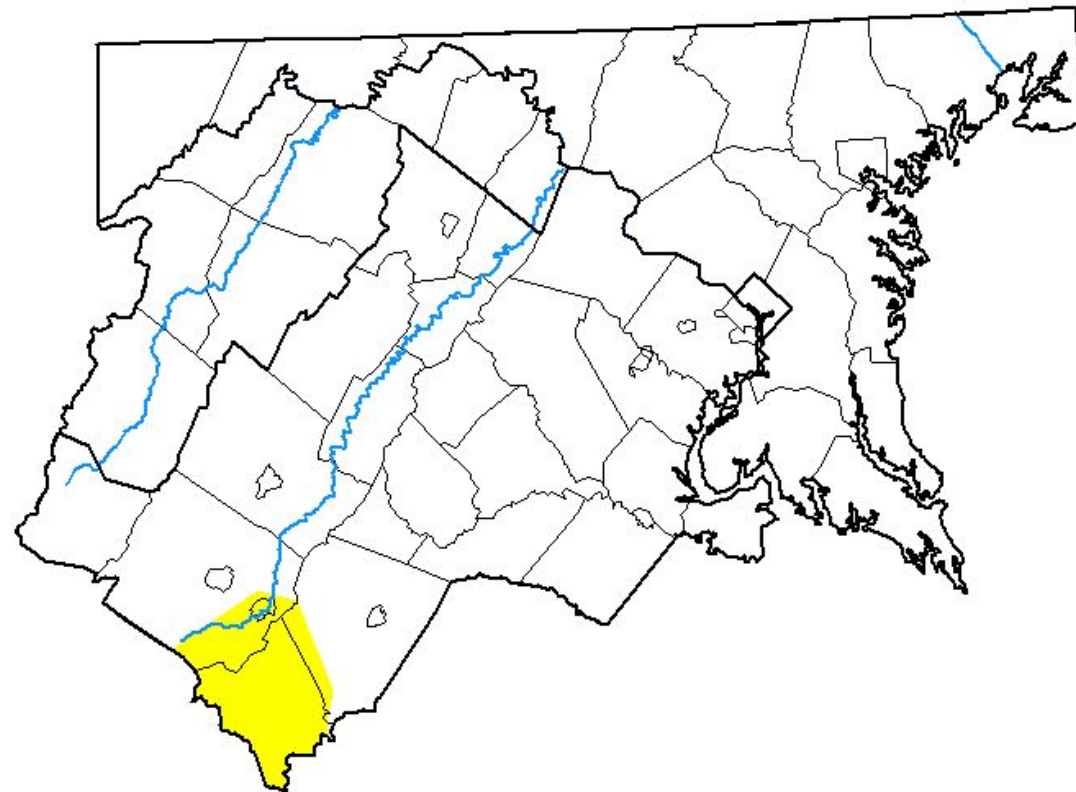
Current Drought Conditions

May 10, 2024
10:30 AM

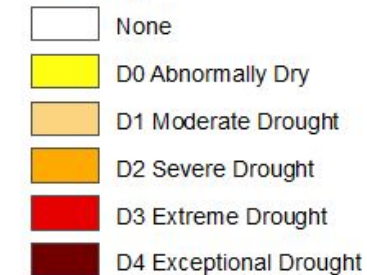
Abnormally Dry in Nelson Co. & southeast Augusta Co. VA (D0)

U.S. Drought Monitor
**Baltimore, MD/
Washington, DC WFO**

May 7, 2024
(Released Thursday, May. 9, 2024)
Valid 8 a.m. EDT



Intensity:



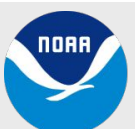
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Curtis Riganti
National Drought Mitigation Center



droughtmonitor.unl.edu



National Oceanic and
Atmospheric Administration
U.S. Department of Commerce

**National Weather Service
Baltimore/Washington**



Geomagnetic Storm WATCH for May 11, 2024



Updated
2024-05-09
1:30pm EDT

May 10, 2024
10:30 AM

WHAT: Several CMEs will quite likely reach Earth and lead to highly elevated geomagnetic activity



EVENT:

A coronal mass ejection (CME) is an eruption of solar material. When they arrive at Earth, a geomagnetic storm can result. Watches at this level are very rare.

TIMING:

The CMEs are anticipated to merge and arrive at Earth by late on May 10th or early on May 11th.

EFFECTS:

The general public should visit our webpage to keep properly informed. The aurora may become visible over much of the northern half of the country, and maybe as far south as Alabama to northern California.

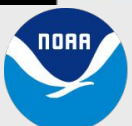
swpc.noaa.gov



National Oceanic and
Atmospheric Administration
U.S. Department of Commerce

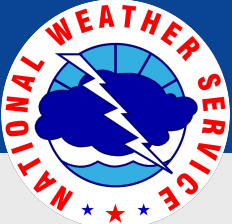
Safeguarding Society with Actionable Space Weather Information

Space Weather Prediction Center;
Boulder, CO



National Oceanic and
Atmospheric Administration
U.S. Department of Commerce


National Weather Service
Baltimore/Washington



Heat Risk tool available this summer

May 10, 2024
10:30 AM

Linked on: weather.gov/washington/heat



NATIONAL WEATHER SERVICE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

HOMEFORECASTPAST WEATHERSAFETYINFORMATIONEDUCATIONNEWSSEARCHABOUT

Local forecast by "City, St" or ZIP code

Enter location ...

Go

[Location Help](#)

News Headlines

This Week is Hurricane Preparedness Week. Now is the time to get ready for hurricane season!

Baltimore Key Bridge Recovery: Weather Support Page

Heat Information Page

[Weather.gov](#) > [Baltimore/Washington](#) > Heat Information Page

Baltimore/Washington


Weather Forecast Office

Current HazardsCurrent ConditionsRadarForecastsRivers and LakesClimate and Past WeatherLocal Programs

Overview

Heat Related Deaths ARE Preventable

LOOK BEFORE YOU LOCK



The temperature in your car can quickly become deadly!

Outside Temperature 80°

Inside 99°

Time Elapsed: 10 Minutes

Inside 109°

Time Elapsed: 20 Minutes

Inside 114°

Time Elapsed: 30 Minutes

Inside 123°

Time Elapsed: 60 Minutes

Why is Excessive Heat so Dangerous?

Heat becomes especially dangerous if it lingers for more than one day.

Heat days and warm nights don't give you bodies time to cool down.

Heat islands can intensify extreme heat weather, which can cause breathing problems, heat stroke, heat death, and may lead to illness or even death.

What can You do?

Check on your friends, family and neighbors during heat waves.

Wear light, loose-fitting clothing and drink water often. Don't wait until you are thirsty.

Avoid unnecessary hard work or activities if you are outside or in a building without air conditioning.

Stay in an air-conditioned area. Air conditioning is the strongest protective factor against heat-related illness.

Heat can be a killer. The combination of hot weather and high humidity can quickly cause heat-related illness to set in. The National Weather Service issues advisories for high heat to warn you of the dangers. These alerts are issued when an excessive heat event is occurring, is imminent, or has a very high probability of occurrence.

NWS Heat ProductsHeat IndexWet Bulb Globe TemperatureHeat InjuriesHeat SafetyHeat Index Forecast

Wet Bulb Globe Temperature ForecastHeat Risk

NWS Baltimore/Washington Heat Products:

- New, additional tool to communicate heat risk
- Combined efforts of NWS and CDC.
 - How unusually hot is it?
 - Utilizes historical heat casualty info
 - Incorporates duration

NWS HeatRisk

Identifying Potential Heat Risks in the Seven Day Forecast

Fri 5/10Sat 5/11Sun 5/12Mon 5/13Tue 5/14Wed 5/15Thu 5/16

Click map for potential heat risks and NWS forecast for a location.



The NWS HeatRisk is an experimental color numeric-based index that provides a forecast risk of heat-related impacts to occur over a 24-hour period. HeatRisk takes into consideration:

- How unusual the heat is for the time of the year
- The duration of the heat including both daytime and nighttime temperatures
- If those temperatures pose an elevated risk of heat-related impacts based on data from the CDC

This index is supplementary to official NWS heat products and is meant to provide risk guidance for those decision makers and heat-sensitive populations who need to take actions at levels that may be below current NWS heat product levels.

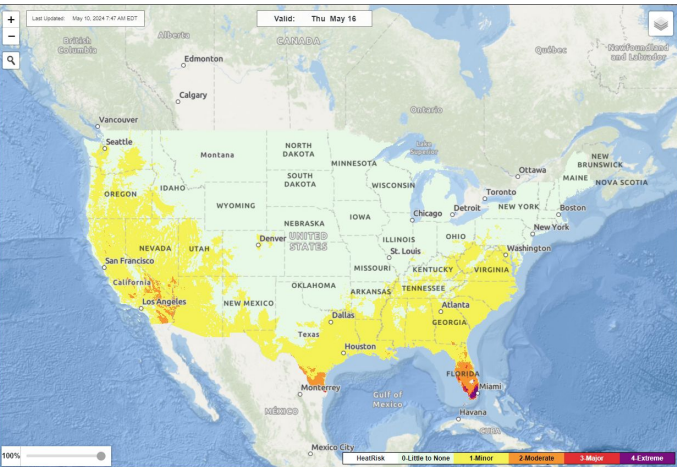
Category	Risk of Heat-Related Impacts
Green 0	Little to no risk from expected heat.
Yellow 1	Minor - This level of heat affects primarily those individuals extremely sensitive to heat, especially when outdoors without effective cooling and/or adequate hydration.
Orange 2	Moderate - This level of heat affects most individuals sensitive to heat, especially those without effective cooling and/or adequate hydration. Impacts possible in some health systems and in heat-sensitive industries.
Red 3	Major - This level of heat affects anyone without effective cooling and/or adequate hydration. Impacts likely in some health systems, heat-sensitive industries and infrastructure.
Magenta 4	Extreme - This level of rare and/or long-duration extreme heat with little to no overnight relief affects anyone without effective cooling and/or adequate hydration. Impacts likely in most health systems, heat-sensitive industries and infrastructure.

Comments / Questions / Please Contact Us



Map OverviewWhat's in HeatRisk?Understanding HeatRiskCDC-NWS CollaborationVerificationLooking for Resources?

Last Updated: May 10, 2024 7:47 AM EDTValid: Thu May 16



National Oceanic and Atmospheric Administration
U.S. Department of Commerce

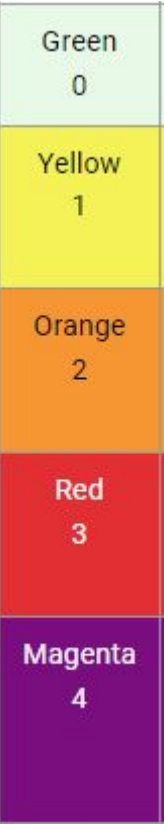
National Weather Service
Baltimore/Washington



Heat Risk tool available this summer

May 10, 2024
10:30 AM

Linked on: weather.gov/washington/heat



Little to no risk

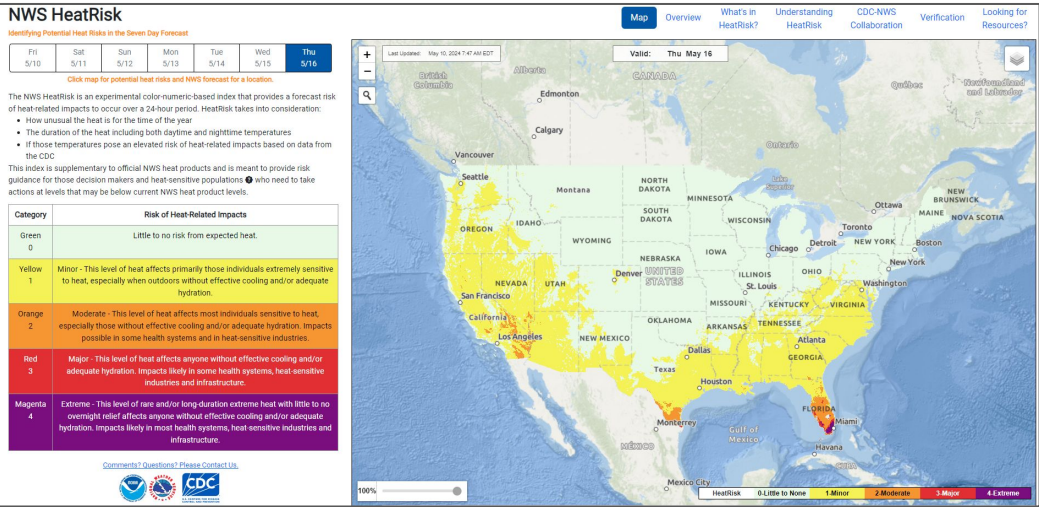
Minor: affects primarily those individuals extremely sensitive to heat.

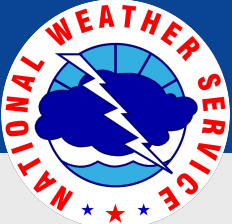
Moderate: affects affects most individuals sensitive to heat.

Major: affects anyone without effective cooling and/or adequate hydration.

Extreme: affects anyone without effective cooling and/or adequate hydration. This level of rare and/or long-duration extreme heat with little to no overnight relief affects anyone without effective cooling and/or adequate hydration. Impacts likely in most health systems, heat-sensitive industries and infrastructure.

- Evaluating this summer
 - Not tied to NWS heat headlines
- Another tool, along with Heat Index and Wet Bulb Globe Temperature



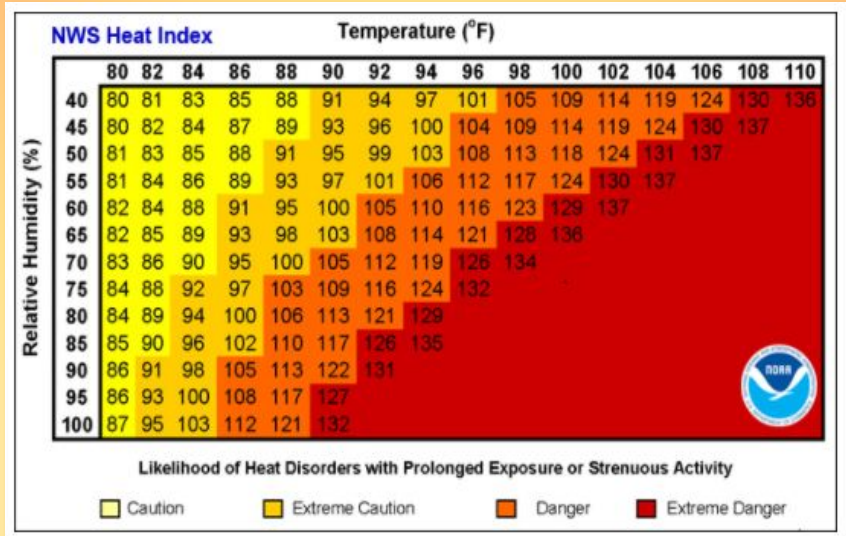


Heat Risk tool available this summer

May 10, 2024
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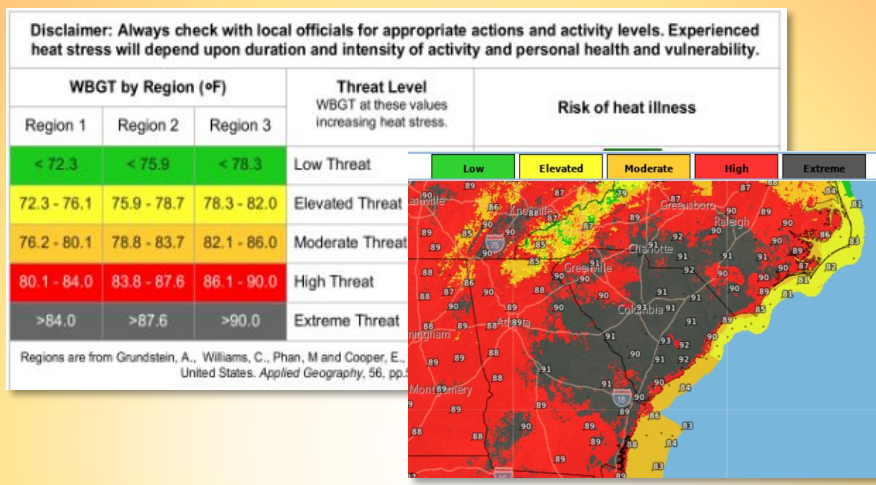
Heat Index



Heat stress in context for **general public.**

- Relatively simple: T + RH
- Light physical activity in shade

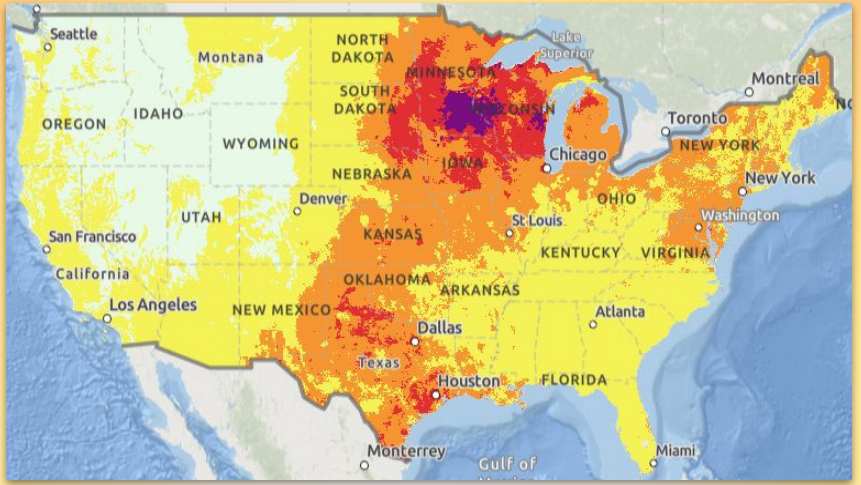
Wet Bulb Globe Temperature



Heat stress in context for **healthy, active outdoor communities.**

- More Complex: T + RH + wind + solar radiation
- High levels of outdoor physical activity

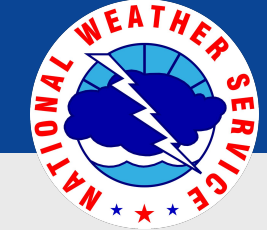
HeatRisk (experimental)



Risk of heat related impacts in **climatological context** with CDC heat-health information.

- Impacts-based: MaxT + MinT + CDC heat-health data
- Spectrum of heat-health impacts for *all* populations





Summary of Key Messages

May 10, 2024
10:30 AM

Recap

- **Sunday morning**
 - Moderate tidal/coastal flooding is possible around high tide.
- **Today through Thursday**
 - Otherwise, no hazardous weather is expected at this time.



Next Briefing

- **10:30 AM Monday, May 13, 2024**
- If any new hazards arise, our “heads-up” email will be sent.
- Email us if you need to be added to our “heads-up” email list.



NWS Balt/Wash EM Webpage

- weather.gov/lwx/empage



Contact Information

Email

- nws-sterling-wxsupport@noaa.gov

Social Media

- facebook.com/NWSBaltWash
- [@NWS_BaltWash](https://twitter.com/NWS_BaltWash)

