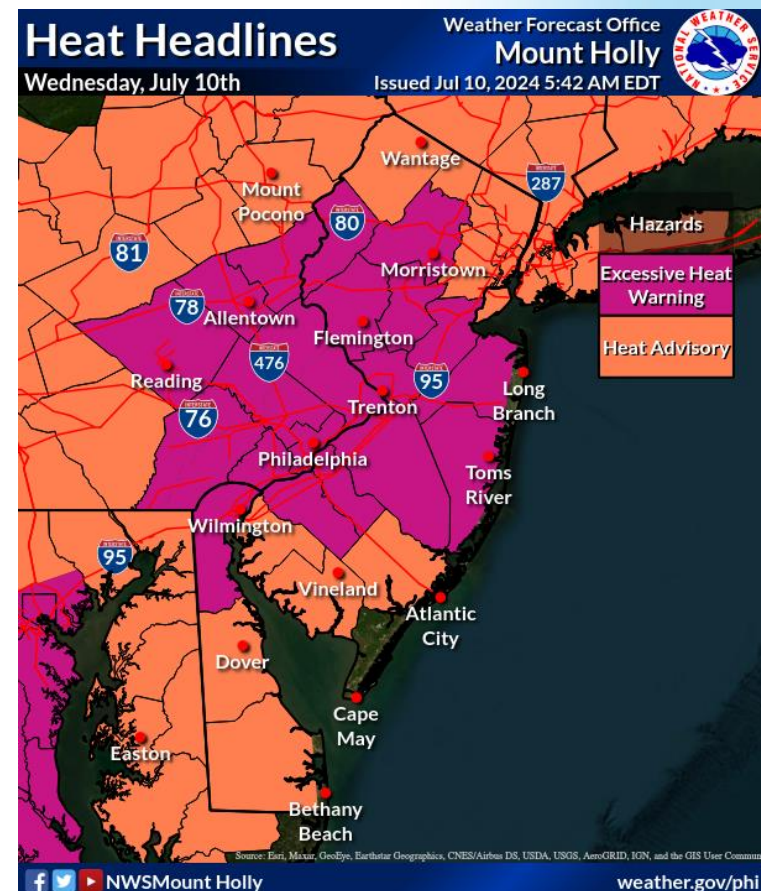


# Heat and Heavy Rain Risks July 10 – July 13, 2024





**Decision Support Briefing # 5**  
**As of: 6 AM Wednesday, July 10, 2024**

## What Has Changed?

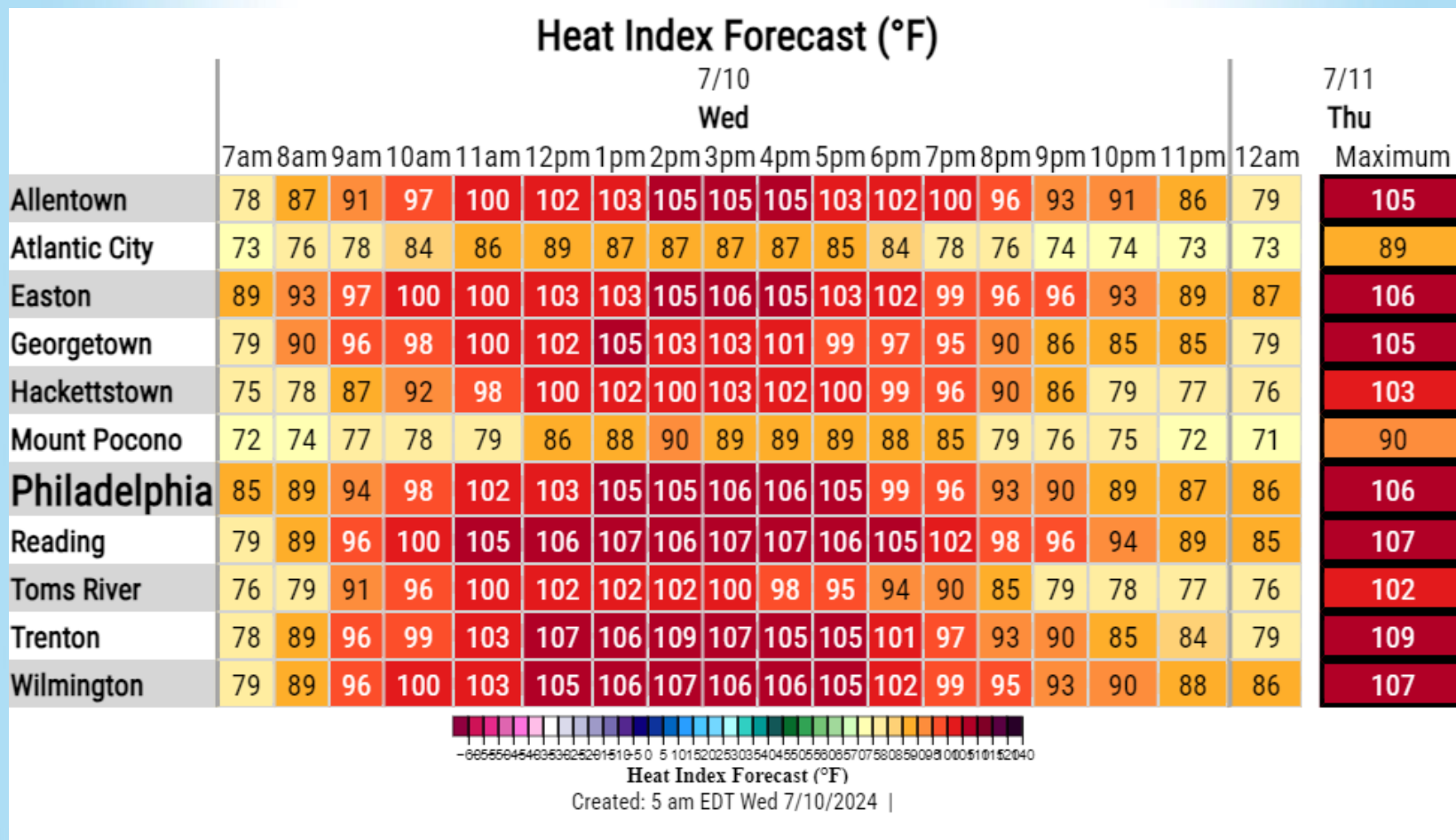
- ✓ *Excessive Heat Warning expanded to include Lehigh & Northampton counties in PA and Morris & Warren counties in NJ*
- ✓ *No changes to Excessive Rainfall Risks*



# Main Points

Hazard	Impacts	Location	Timing
<b>Excessive Heat</b> 	<b>Significant Increased Risk for heat illnesses due to a combination of excessive heat and high humidity</b>	<b>Entire forecast area</b>	<b>Continuing through Wednesday</b>
<b>Severe Storms</b> 	<b>Local damaging wind gusts from isolated to scattered severe thunderstorms</b>	<b>North and west of the I-95 corridor</b>	<b>Round 1: Late Wednesday morning and early afternoon</b>  <b>Round 2: late Wednesday night</b>
<b>Heavy Rain (Wed)</b> 	<b>Thunderstorms with heavy rain could lead to localized flash flooding</b>	<b>Some risk across the region; highest risk along and northwest of the I-78 Corridor</b>	<b>Wednesday Afternoon through Wednesday Night; rain could continue through Thursday morning</b>
<b>Heavy Rain (Thu Night - Fri)</b> 	<b>Thunderstorms with heavy rain could lead to localized flash flooding</b>	<b>Across the region, but the highest risk is currently forecast for the Philadelphia metro and areas south and east</b>	<b>Late Thursday Night through late Friday Night; light rain could continue through the day on Saturday</b>

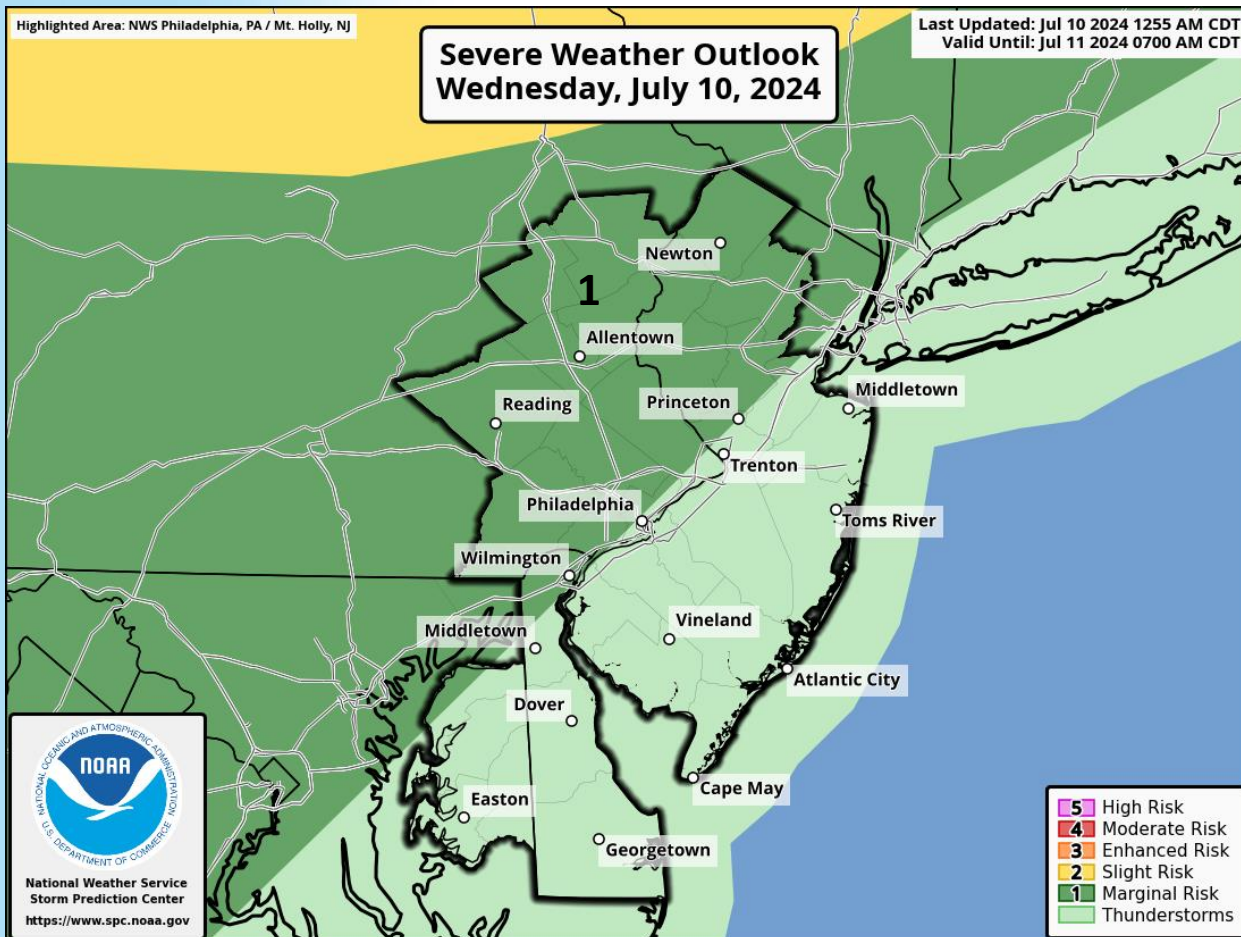
# Excessive Heat on Wednesday



- ✓ Maximum heat index values ranging from 100 to 110 for many inland areas
- ✓ For the latest Heat Risk, visit [www.wpc.ncep.noaa.gov/heatrisk/](http://www.wpc.ncep.noaa.gov/heatrisk/)



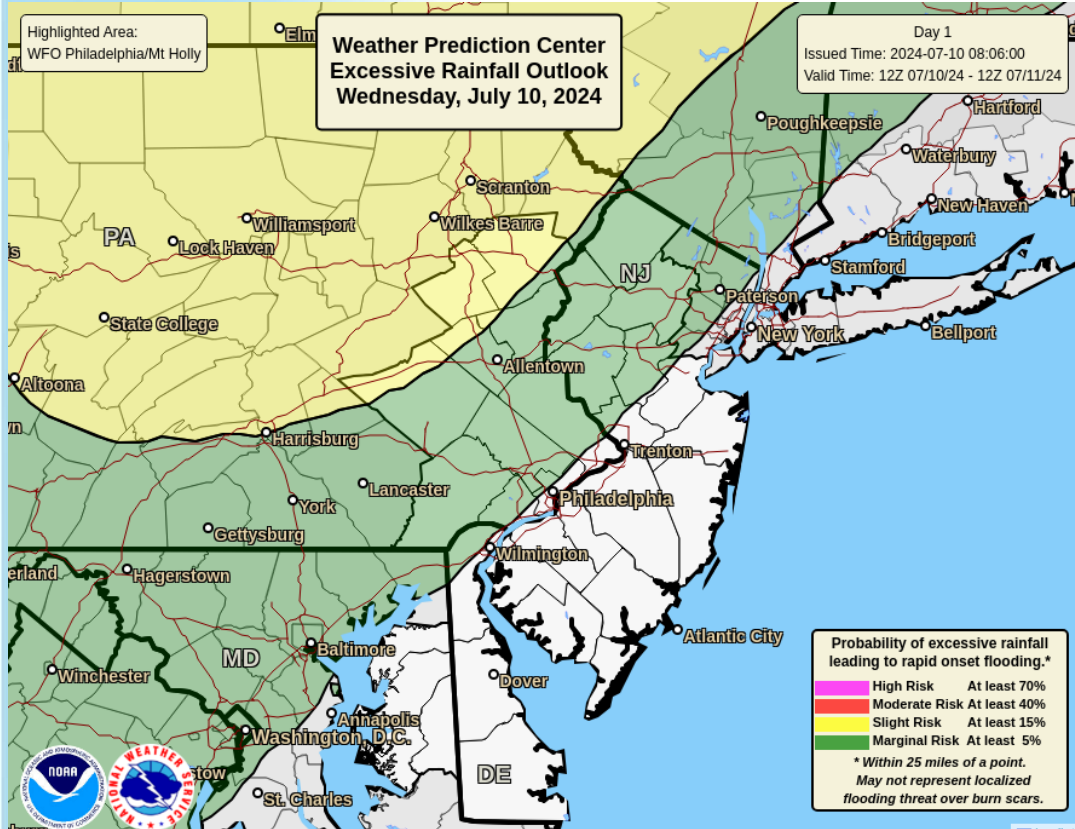
# Severe Weather Outlook



- ✓ Round 1: Isolated to scattered storms late morning/early afternoon north and west of the 95 corridor; greater severe risk, but less coverage
- ✓ Round 2: Line of thunderstorms overnight; lower severe risk, but greater coverage

*Primary threat is straight-line damaging wind gusts.*

# Heavy Rain/Flash Flooding Outlook



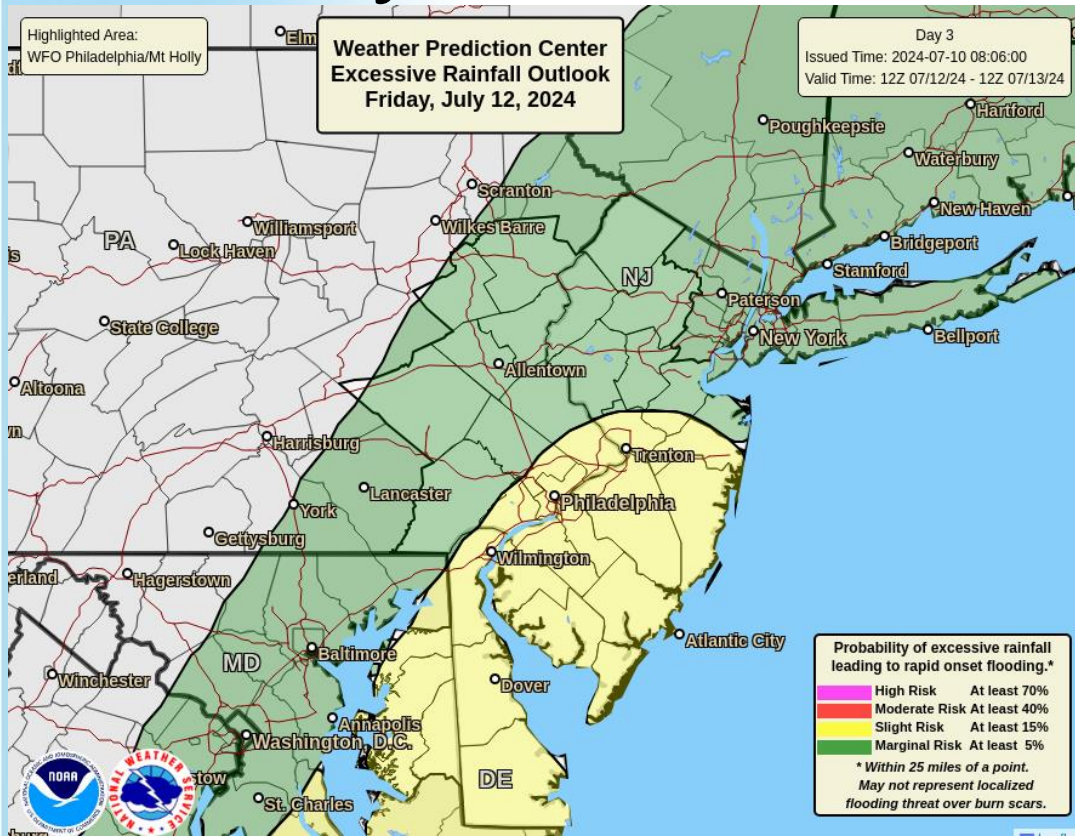
Wednesday




No Area/Label	MARGINAL (MRGL)	SLIGHT (SLGT)
Flash floods are generally not expected.	Isolated flash floods possible	Scattered flash floods possible
<a href="http://www.wpc.ncep.noaa.gov">www.wpc.ncep.noaa.gov</a> @NWSWPC	Localized and primarily affecting places that can experience rapid runoff with heavy rainfall.	Mainly localized. Most vulnerable are urban areas, roads, small streams and washes. Isolated significant flash floods possible.
Flash flooding near me?	Flash Flooding	Flash Flooding
	NO Flash Flooding	NO Flash Flooding
 WEATHER PREDICTION CENTER		

✓ Scattered Flash Flooding Possible north and west of the I-95 corridor



# Heavy Rain/Flash Flooding Outlook



No Area/Label	MARGINAL (MRGL)	SLIGHT (SLGT)
Flash floods are generally not expected.	Isolated flash floods possible	Scattered flash floods possible
<a href="http://www.wpc.ncep.noaa.gov">www.wpc.ncep.noaa.gov</a> @NWSWPC	Localized and primarily affecting places that can experience rapid runoff with heavy rainfall.	Mainly localized. Most vulnerable are urban areas, roads, small streams and washes. Isolated significant flash floods possible.
Flash flooding near me?	Flash Flooding	Flash Flooding
	NO Flash Flooding	NO Flash Flooding
 WEATHER PREDICTION CENTER		

✓ Scattered Flash Flooding Possible across the Philly Metro area, south and east.

Late Thursday night - Friday



# Event Summary

- ✓ Dangerously hot and humid conditions are expected to continue into Wednesday across most of the region (90% confidence within the warning and advisory areas). The threat for heat related illnesses is higher within the warned area due to the combination of excessive heat and high humidity.
- ✓ There is up to a 75% chance for storms Wednesday into early Thursday as the remnant low of Beryl tracks northwest of our region. Storms during this period will be capable of heavy rain leading to flash flooding. The highest risk is along and northwest of the Interstate 78 corridor.
- ✓ If storms arrive early enough on Wednesday afternoon, there is a Marginal Risk (Level 1 out of 5) for severe weather near and northwest of the I-95 corridor. The primary threat in this case would be straight-line damaging wind gusts.
- ✓ Another period of storms is expected beginning late Thursday night/early Friday and continuing into early Saturday. The chance for storms in this period is up to 80%. The primary hazard with this period is also heavy rain leading to flash flooding. Risk for heavy rain exists across most of the region in this period with the highest risk in the Philadelphia metro and areas south and east.



# Contact and Next Briefing Information



**Next Briefing**  
*When: By 5 PM,  
Wednesday, July 10, 2024*



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[www.weather.gov/media/phi/current\\_briefing.pdf](http://www.weather.gov/media/phi/current_briefing.pdf)



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