

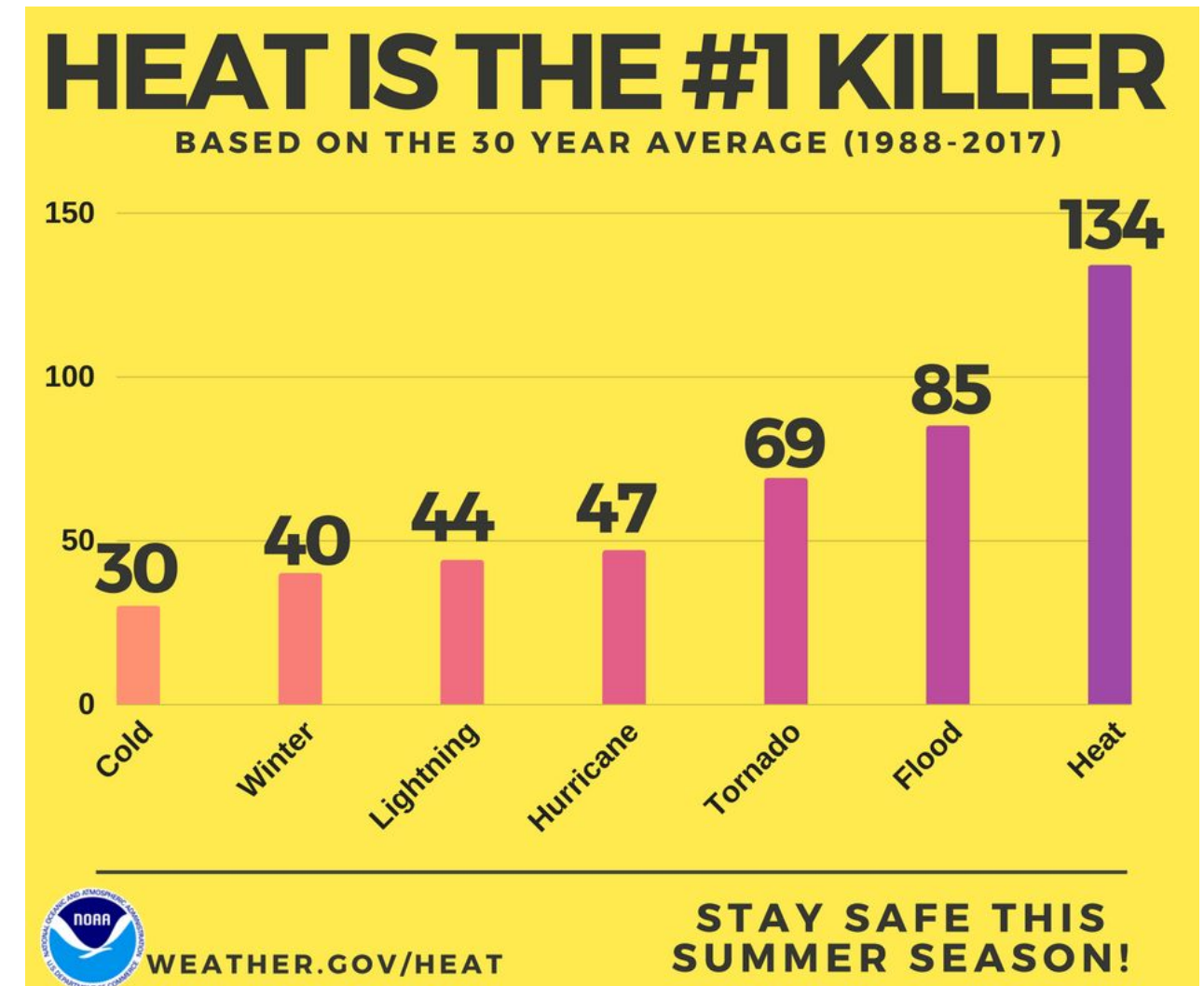
Decision Support Briefing

- Covering the period of Thursday, July 24 through Wednesday, July 30.

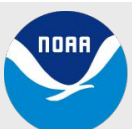
NEW

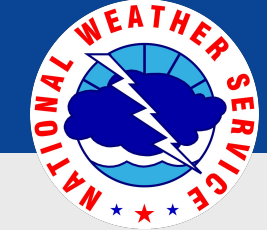
What Has Changed?

- **Heat Advisories already issued for northern Virginia** in anticipation of tomorrow's extreme heat
 - ◆ Additional Heat Advisories likely for tomorrow and through the weekend, with heat indices expected in the 100s nearly statewide, with maximum 105-109°
- **PROLONGED HEAT** – Dangerous heat is expected to last through most of next week
- Daily rain/storm chances return tomorrow, with generally low-end chances for flooding and severe storms in the short-term



Disclaimer: Information may become outdated after briefing time. Consult weather.gov for the latest information.

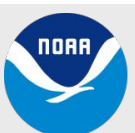




Summary

July 21, 2025
10:00 AM

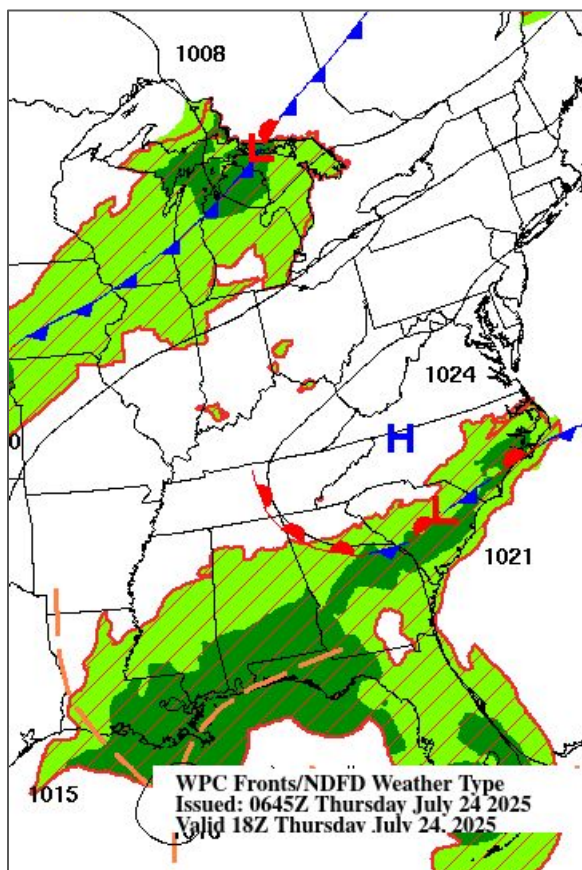
- **Heat Advisories already issued for northern Virginia** in anticipation of tomorrow's extreme heat.
 - Additional Heat Advisories likely for tomorrow and through the weekend, with heat indices expected in the 100s nearly statewide (far western part of the state will feel like the mid to upper 90s), with maximum 105-109°+.
- Rain chances increase slightly this weekend and into early next week, with daily isolated to scattered showers and storms possible. *However, the flooding and severe storm threat is generally low in the short-term.*
- **PROLONGED HEAT** – Extreme heat lasts through much of next week
- **HIGH risk** for Rip Currents remains for the rest of today for Virginia Beach





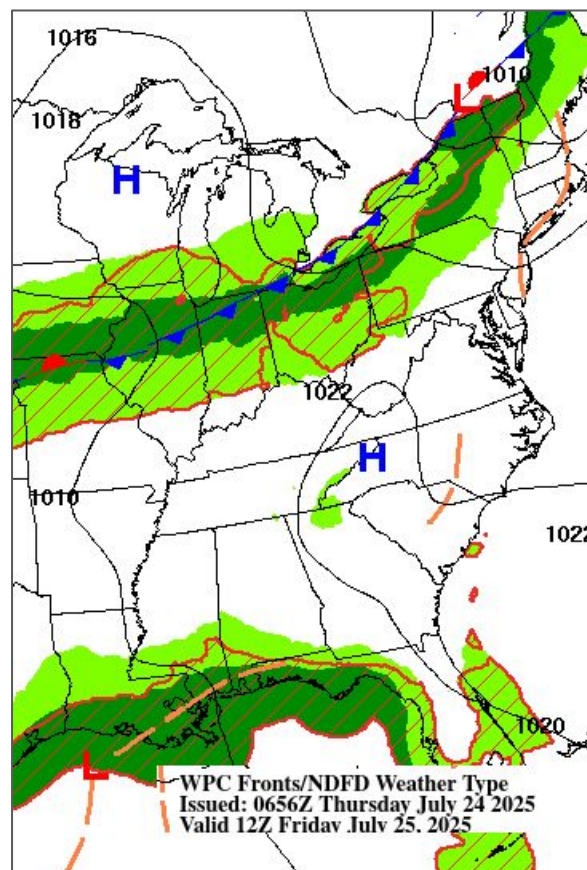
This Week's Weather Pattern

July 24, 2025
9:00 AM



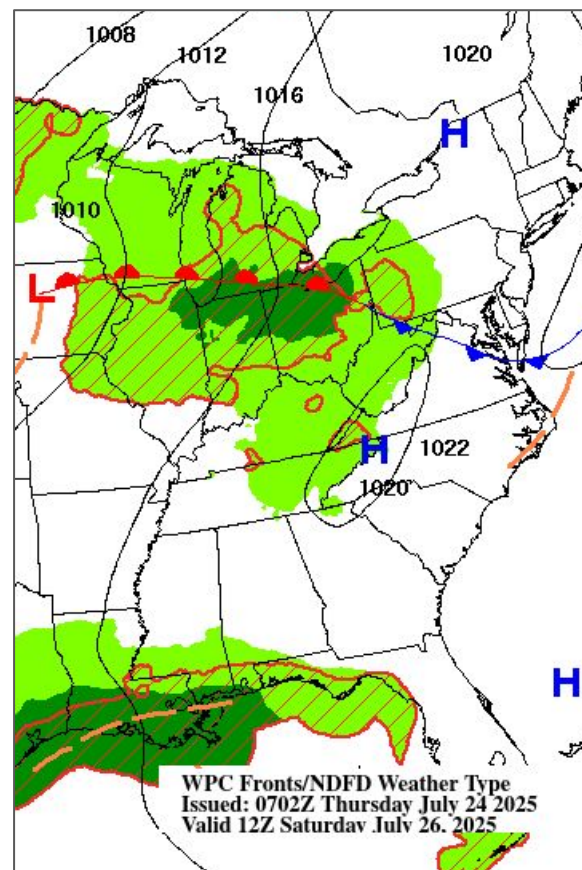
Thursday

Heat starts to gradually return, but dry weather persists.



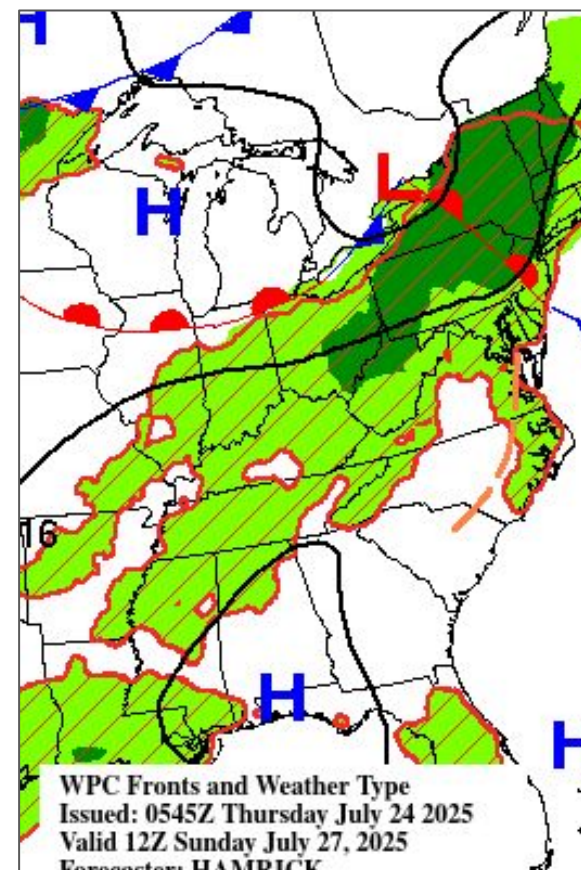
Friday

Heat & humidity rebuild further, but remaining rain-free. **Max Heat Indices 100-109°.**



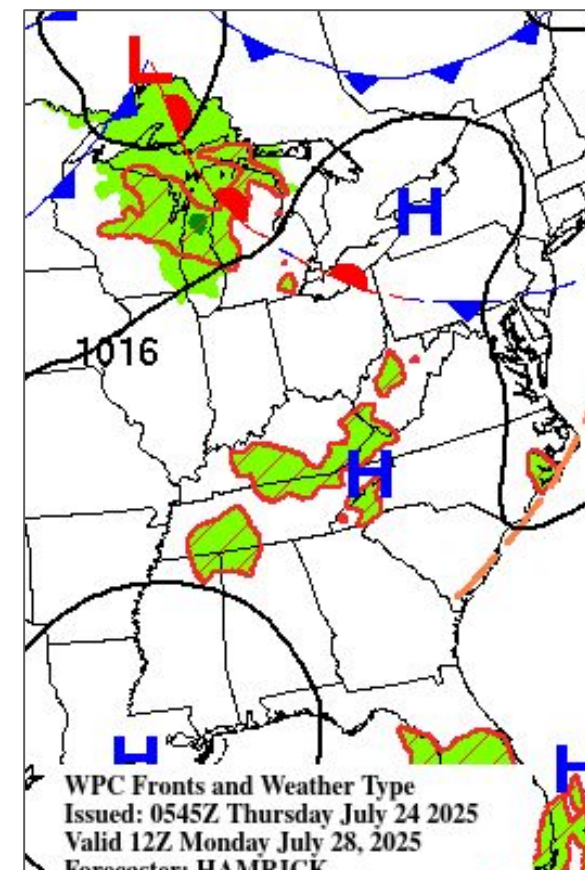
Saturday

Hot, humid with afternoon/evening scattered showers and storms possible. **Max Heat Indices 100-110°.**



Sunday

Hot, humid with isolated showers and storms. A weak cold front approaches from the north late in the day. **Max Heat Indices 100-110°.**



Monday

Continued hot and humid. Isolated afternoon and evening showers and storms possible. **Max Heat Indices 100-109°.**



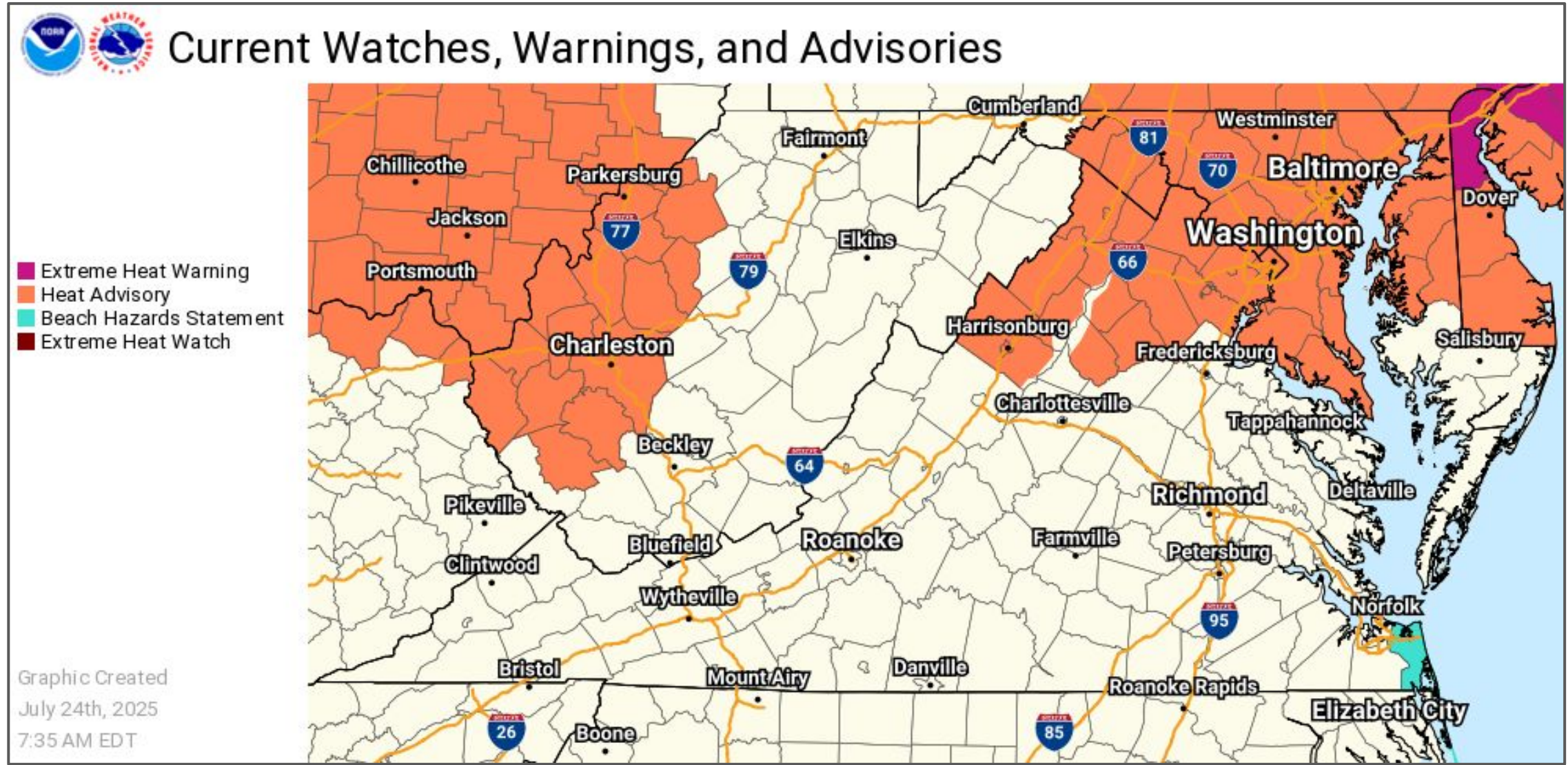
National Oceanic and
Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Wakefield, VA



State Hazard Overview

July 21, 2025
10:00 AM



- Heat Advisories have already been issued for northern portions of the state ahead of tomorrow's return of extreme heat, with heat indices as high as 105-109°.

Heat Advisories are expected to be expanded for tomorrow and into the weekend.





3 Day Severe Storm Potential

July 21, 2025
10:00 AM

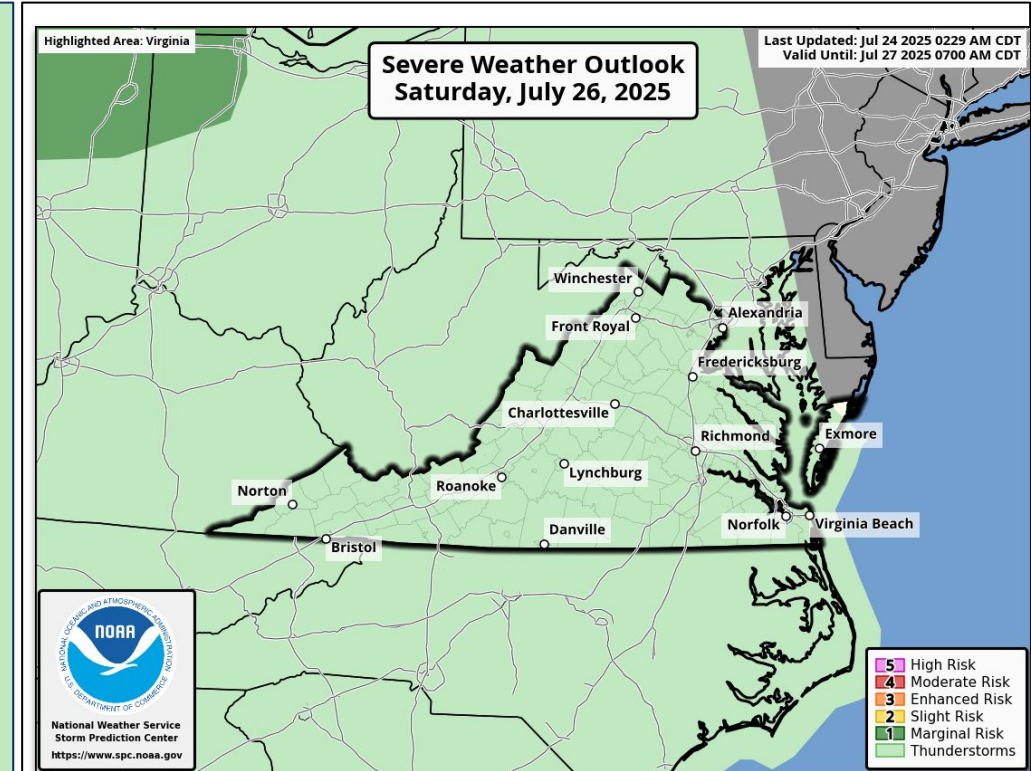
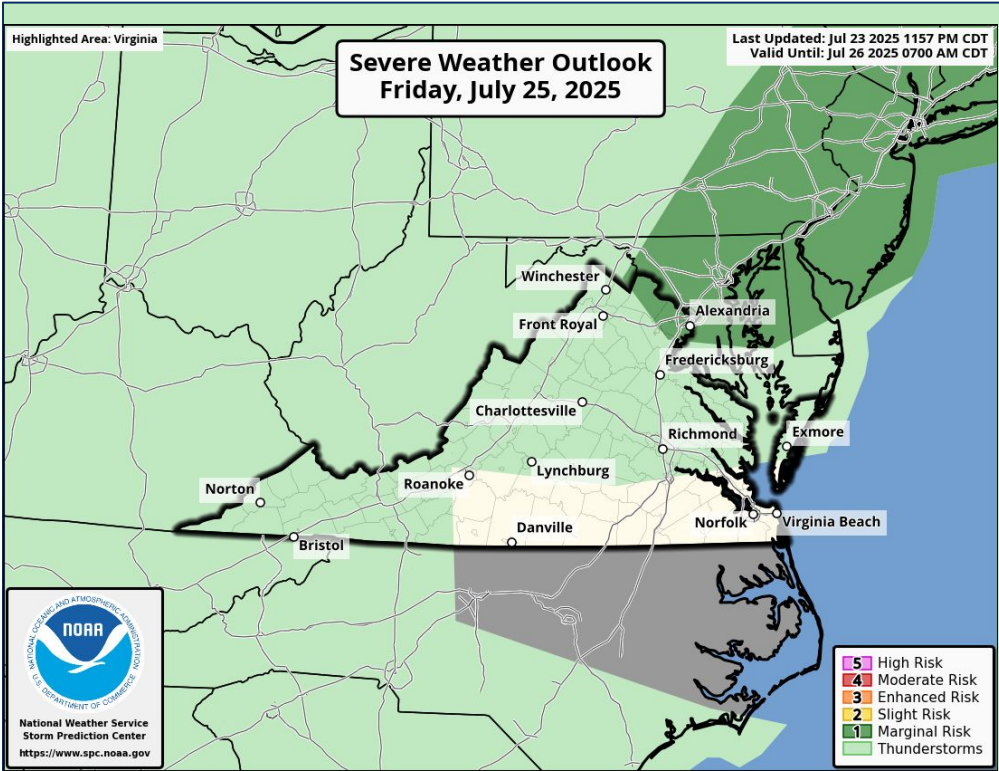
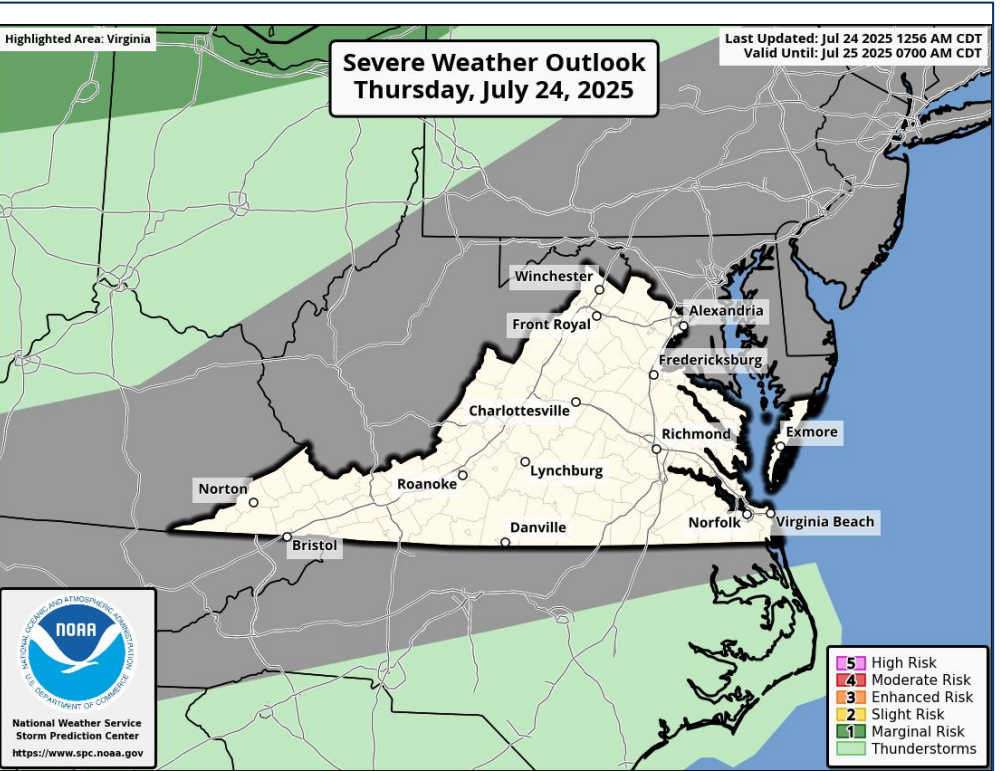
Today

Friday

Saturday

Marginal Risk for Severe Storms

General Thunderstorms



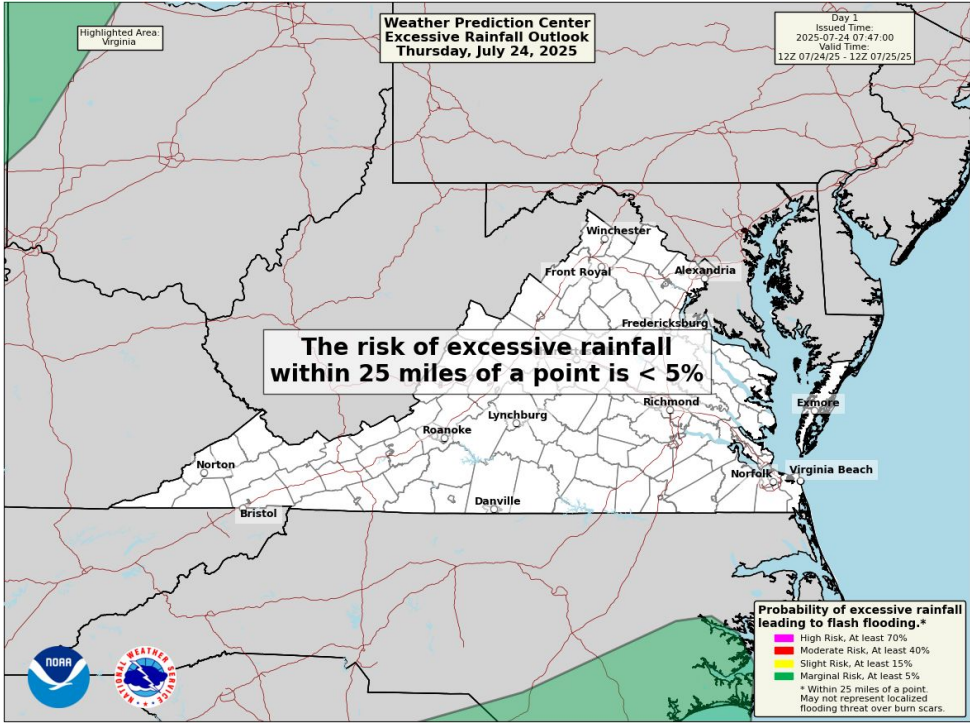
TSTORM	MARGINAL	SLIGHT	ENHANCED	MODERATE	HIGH
No severe storms expected	Isolated severe possible	Scattered severe possible	Numerous severe possible	Widespread severe likely	Widespread severe expected



3 Day Excessive Rainfall Outlook

July 21, 2025
10:00 AM

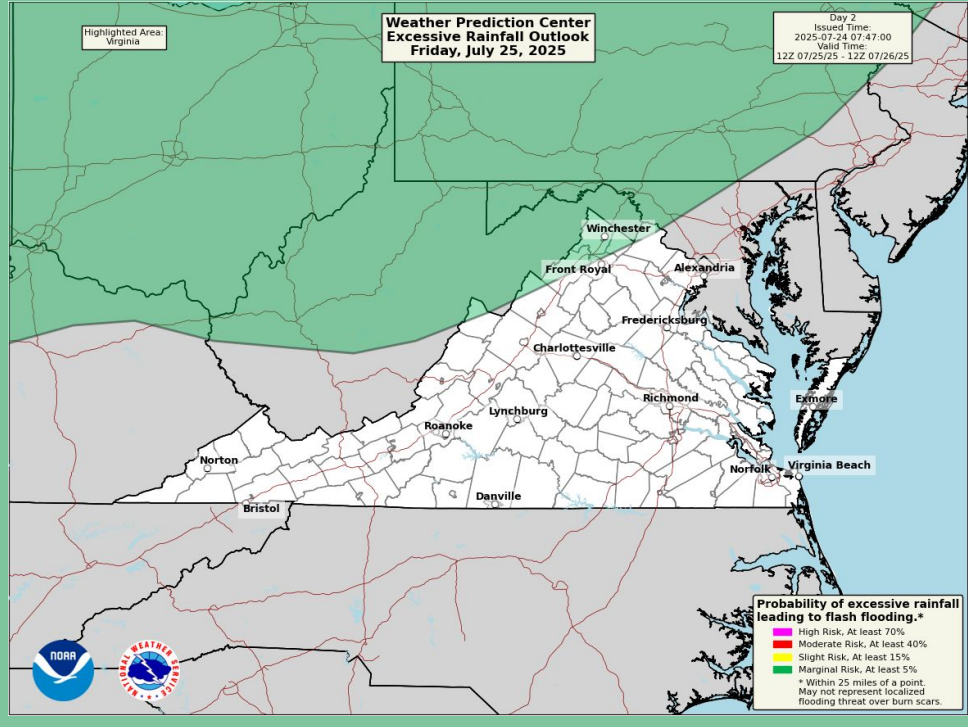
Today



No threat for excessive rainfall.

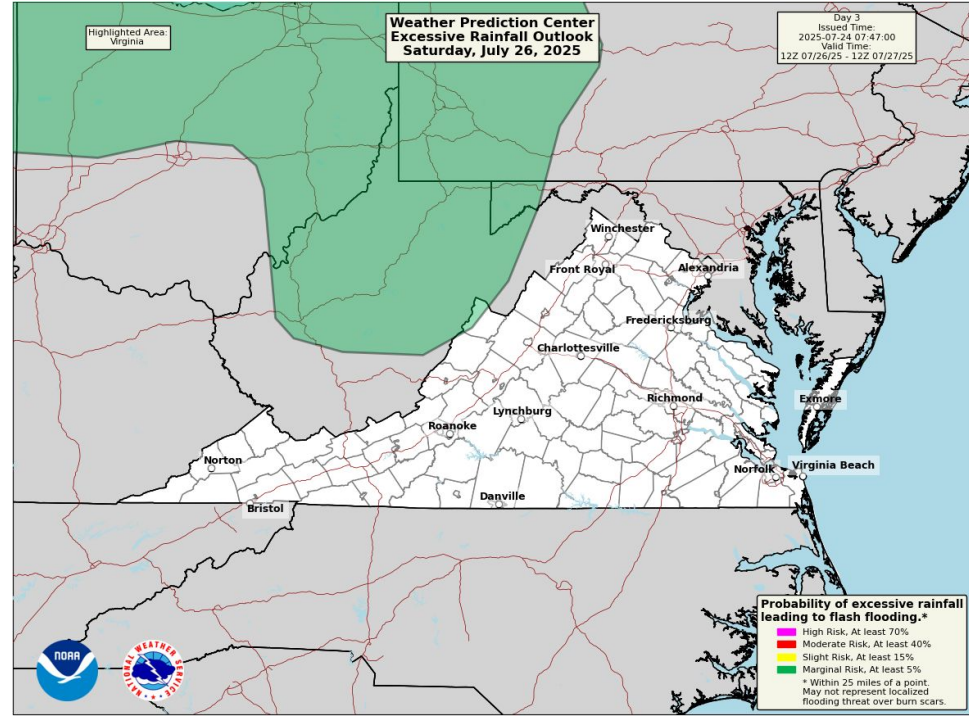
Friday

Marginal Risk of Excessive Rainfall



There is a Marginal Risk (level 1 out of 4) for isolated flash flooding for portions of Frederick, Clarke, Warren, Shenandoah, Rockingham, & Highland counties.

Saturday



No threat for excessive rainfall.

MARGINAL	SLIGHT	MODERATE	HIGH
Isolated flash floods possible	Scattered flash floods possible	Numerous flash floods likely	Widespread flash floods expected

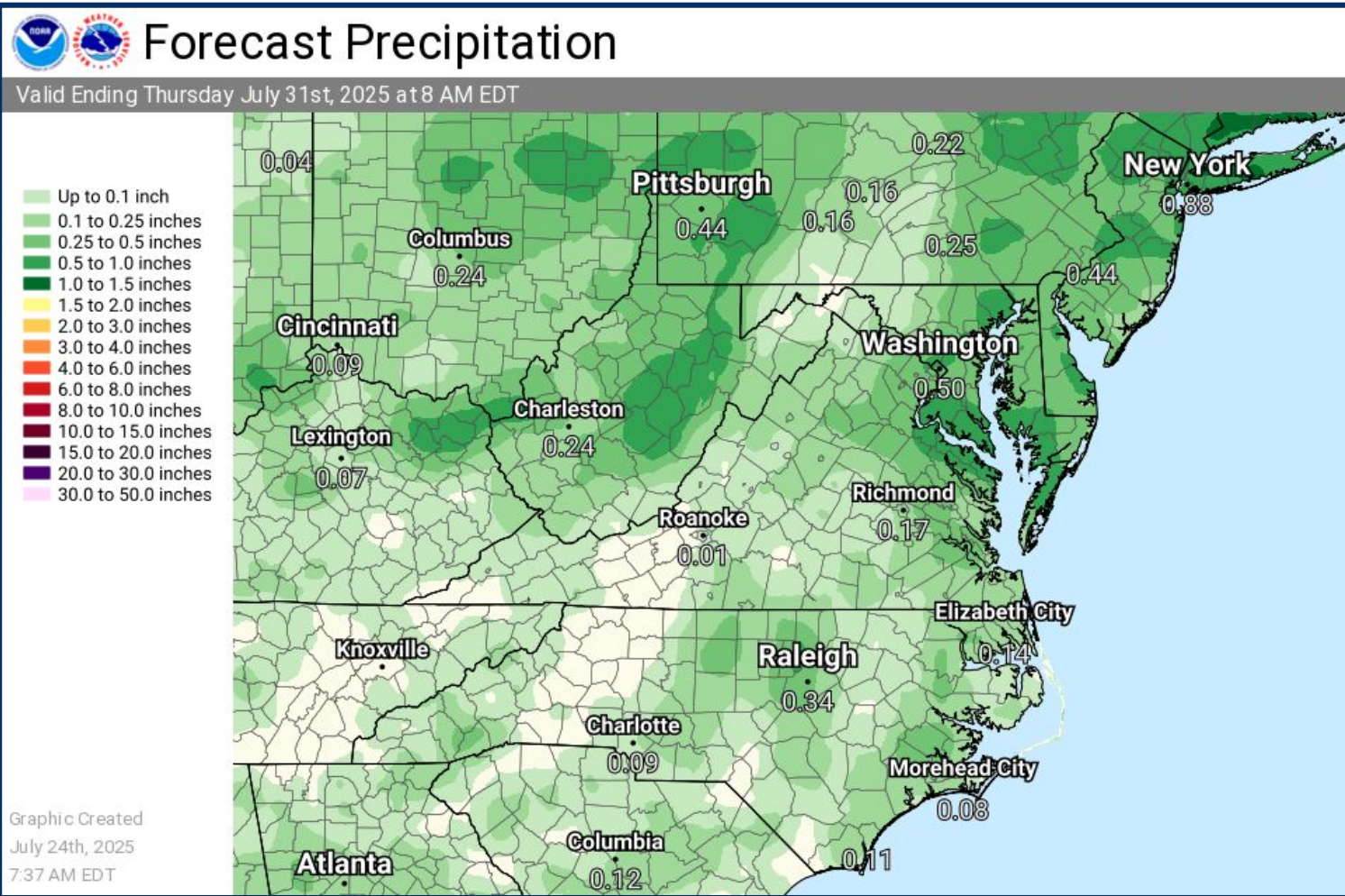
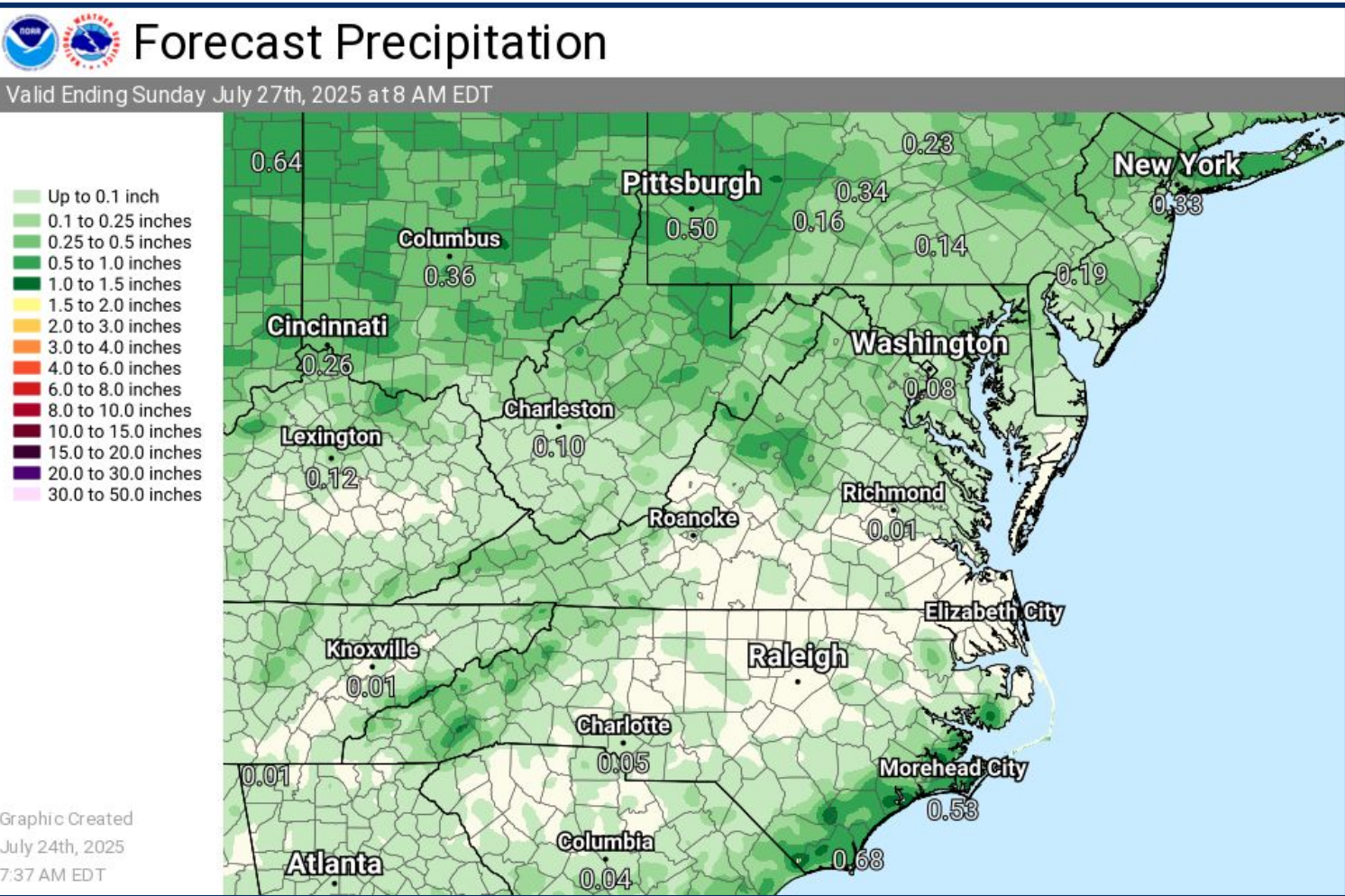


Accumulated Precipitation Forecasts

July 21, 2025
10:00 AM

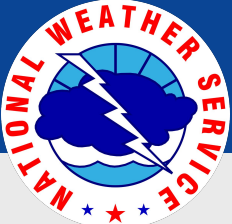
Today - Saturday night

Sunday - Wednesday night



- Rain/thunderstorm chances return tomorrow through the weekend, but amounts are expected to generally stay low.





NWS HeatRisk

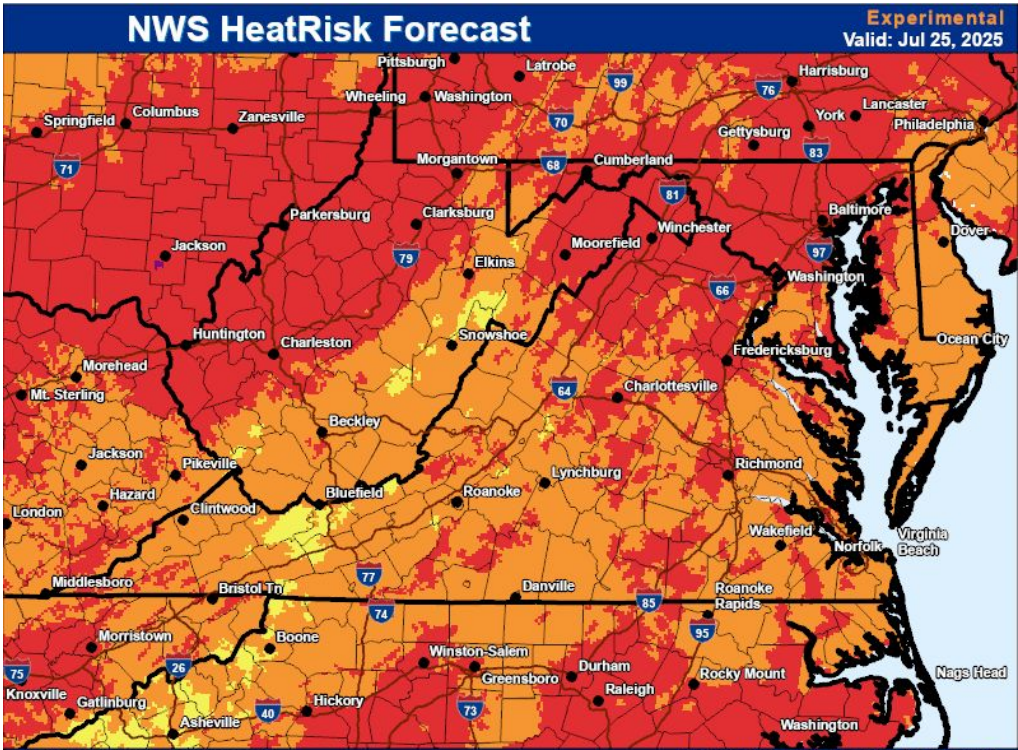
Prolonged Dangerous Heat Expected

July 21, 2025
10:00 AM

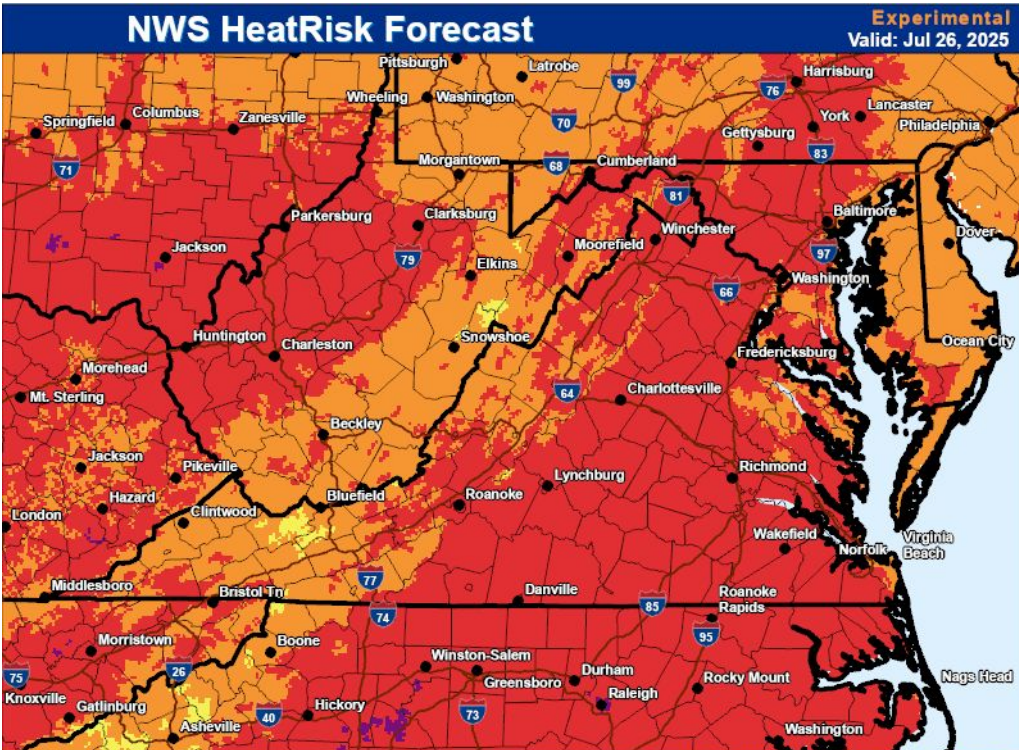
Maximum Heat Index Forecast (°F)

	7/24 Thu	7/25 Fri	7/26 Sat	7/27 Sun	7/28 Mon	7/29 Tue	7/30 Wed
Accomac	90	107	105	106	106	105	103
Blacksburg	88	95	95	97	95	96	95
Bristol	92	94	95	95	94	96	94
Cape Charles	88	105	103	105	103	103	103
Charlottesville	94	106	109	107	103	107	103
Culpeper	95	106	105	107	100	105	102
Danville	92	104	107	109	104	106	106
Emporia	91	101	106	107	104	106	106
Fairfax	94	107	102	109	102	107	104
Farmville	94	103	107	107	104	109	107
Fredericksburg	94	109	107	108	105	110	106
Galax	88	99	100	103	101	102	101
Harrisonburg	92	99	99	101	97	101	97
Louisa	92	103	105	106	101	107	102
Luray	94	103	102	105	99	106	100
Lynchburg	92	104	104	108	102	104	103
Manassas	95	109	103	109	102	109	104
Norfolk	91	105	106	109	105	106	105
Petersburg	91	102	107	109	105	107	104
Richmond	92	104	107	110	105	107	104
Roanoke	93	101	102	105	102	103	102
South Hill	91	102	107	107	105	107	106
Tappahannock	91	102	106	107	102	108	105
Williamsburg	92	105	108	109	103	108	106
Winchester	94	102	97	102	97	102	96
Wise	92	94	95	95	96	96	95
Wytheville	87	90	90	92	91	92	91

Tomorrow



Saturday



Little to None

- Little to no risk from expected heat.

Minor

- This level of heat affects primarily those individuals extremely sensitive to heat, especially when outdoors without effective cooling and/or adequate hydration.

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.

Major

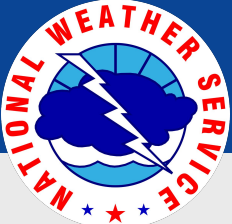
- This level of heat affects anyone without effective cooling and/or adequate hydration.
- Impacts likely in some health systems, heat-sensitive industries and infrastructure.

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.

Extreme heat returns tomorrow and increases through the weekend; lasting through next week. Heat Advisories are likely for a large part of the state beginning tomorrow.

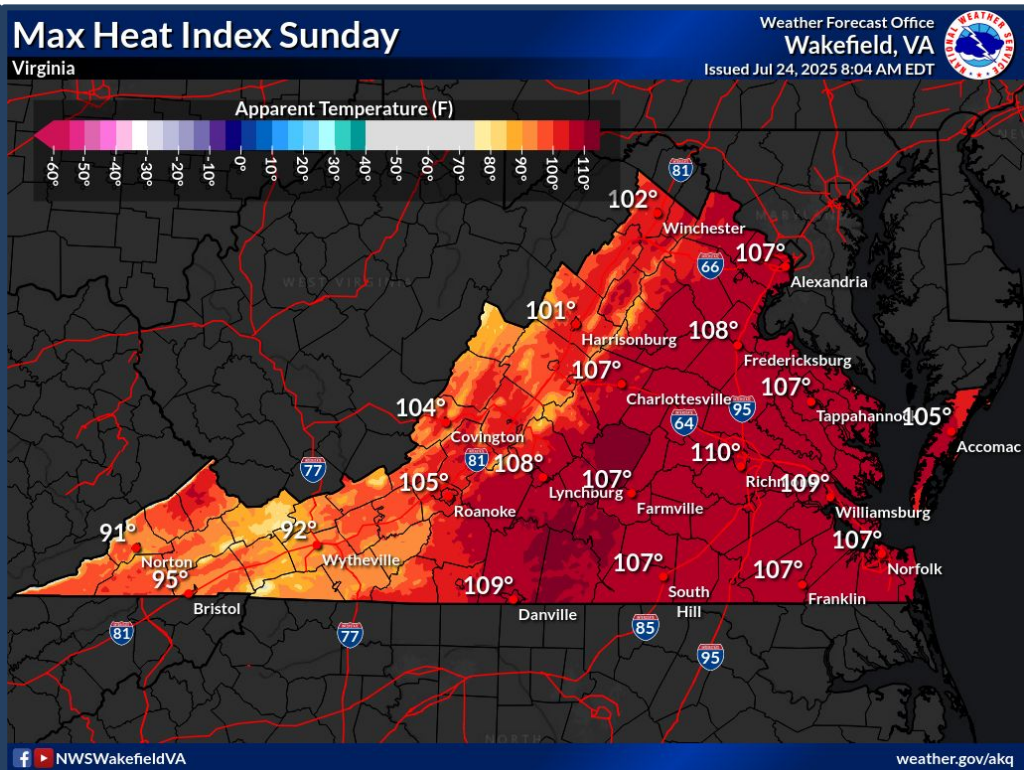
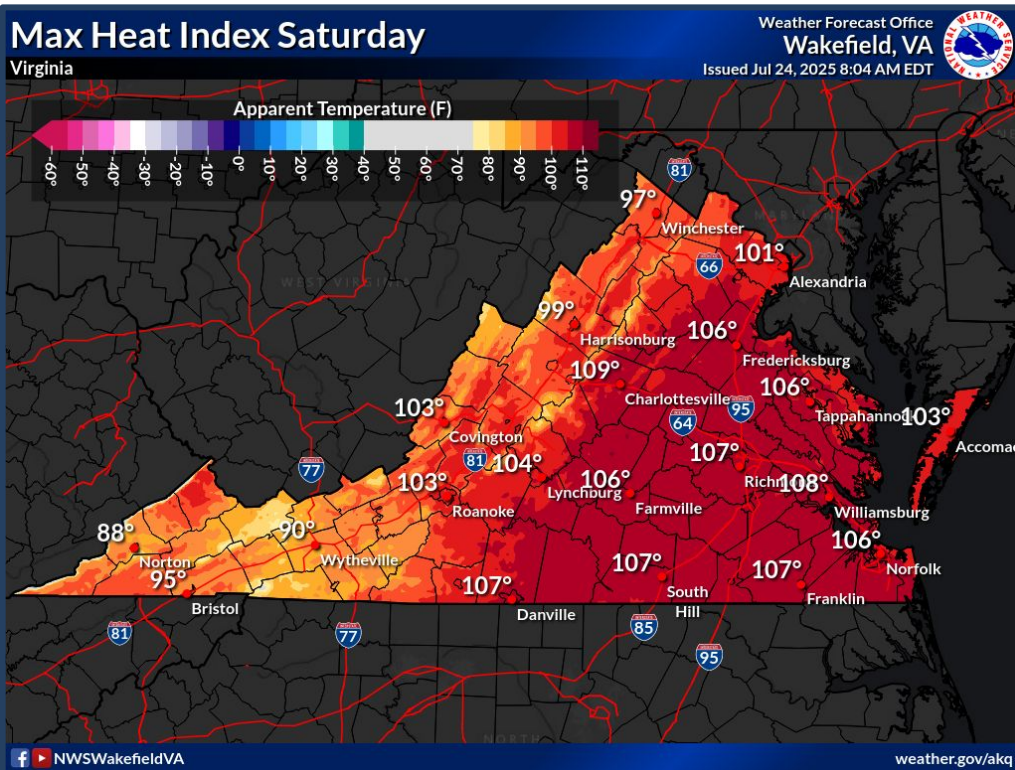
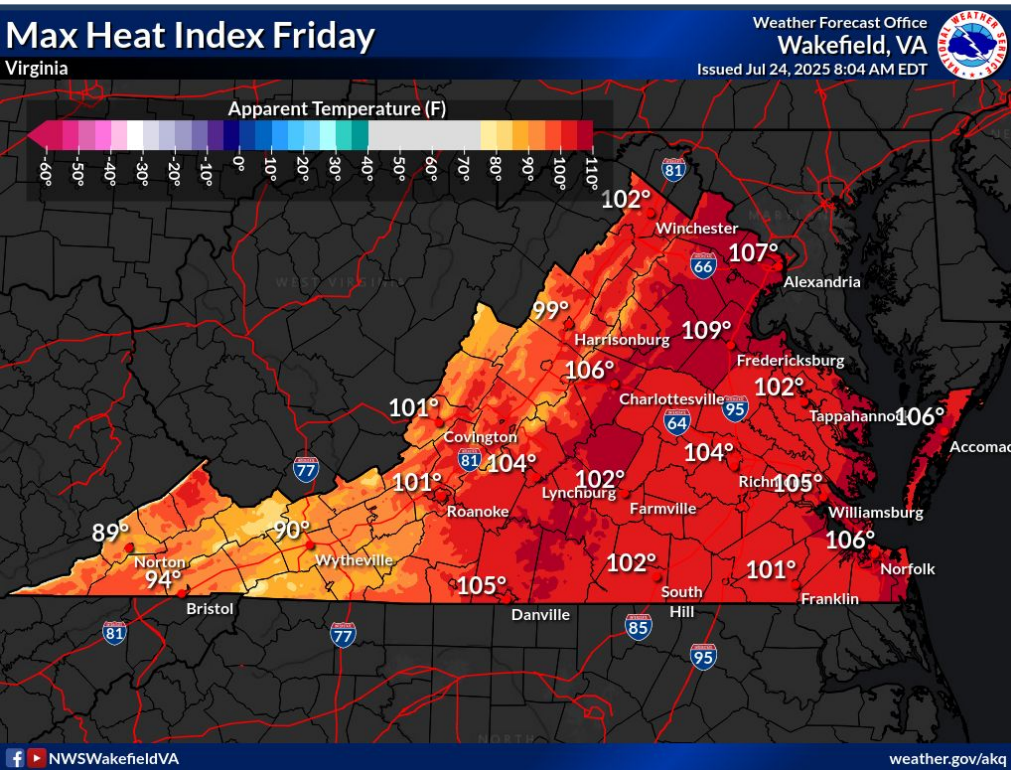




Maximum Daily Heat Index

July 21, 2025
10:00 AM

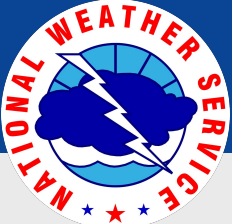
Friday through Sunday



Click to enlarge each image

- **Friday:** Extreme heat and humidity return, with heat index values topping out at 105-107° for some.
- **This Weekend:** Heat increases, with max heat indices nearing 105-110°.





Regional Forecast Summary

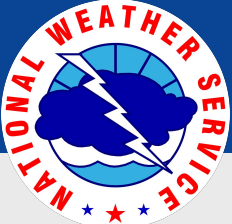
July 21, 2025
10:00 AM

Maximum Temperature Forecast (°F)							
	7/24	7/25	7/26	7/27	7/28	7/29	7/30
	Thu	Fri	Sat	Sun	Mon	Tue	Wed
Accomac	87	95	93	94	94	93	95
Blacksburg	88	92	91	91	92	94	93
Bristol	90	92	91	91	92	94	94
Cape Charles	85	92	92	94	92	93	93
Charlottesville	91	97	96	98	96	99	97
Culpeper	91	97	93	96	94	98	96
Danville	90	96	97	97	96	98	98
Emporia	89	94	97	98	95	97	97
Fairfax	91	98	94	97	94	98	97
Farmville	91	96	98	99	96	99	98
Fredericksburg	91	98	95	97	94	98	97
Galax	87	93	92	94	94	96	95
Harrisonburg	89	93	92	94	93	96	93
Louisa	89	96	96	98	94	98	96
Luray	92	96	93	96	94	98	95
Lynchburg	90	96	96	97	96	98	98
Manassas	92	98	94	97	94	99	97
Norfolk	88	96	95	97	94	95	97
Petersburg	88	95	98	98	96	97	98
Richmond	90	97	98	99	96	98	98
Roanoke	91	97	93	97	97	99	98
South Hill	89	95	98	99	97	98	98
Tappahannock	88	94	94	96	93	97	95
Williamsburg	89	97	96	97	94	97	97
Winchester	92	95	91	94	93	96	93
Wise	89	90	90	90	92	93	92
Wytheville	86	89	88	89	89	92	91

Minimum Temperature Forecast (°F)						
	7/25	7/26	7/27	7/28	7/29	7/30
	Fri	Sat	Sun	Mon	Tue	Wed
Accomac	73	76	76	76	76	76
Blacksburg	66	68	69	68	68	68
Bristol	68	70	71	69	69	69
Cape Charles	74	77	77	76	76	76
Charlottesville	72	74	74	73	73	76
Culpeper	71	74	73	73	73	75
Danville	70	74	74	77	73	73
Emporia	70	74	74	77	73	73
Fairfax	74	76	76	76	76	78
Farmville	71	74	74	77	73	73
Fredericksburg	73	74	74	74	74	77
Galax	69	72	74	72	72	71
Harrisonburg	69	70	70	69	69	72
Louisa	71	73	73	72	72	76
Luray	69	70	70	69	69	72
Lynchburg	69	72	73	72	72	71
Manassas	73	74	74	74	74	76
Norfolk	74	81	77	81	76	77
Petersburg	71	74	74	77	73	77
Richmond	72	76	76	75	75	78
Roanoke	70	72	74	72	72	72
South Hill	72	76	76	79	74	78
Tappahannock	71	74	74	73	73	77
Williamsburg	72	77	77	75	75	75
Winchester	72	73	73	72	72	73
Wise	68	70	71	70	70	69
Wytheville	64	67	68	69	65	66

Probability of Precipitation Forecast (%)													
	7/24	7/25	7/26	7/27	7/28	7/29	7/30						
	Thu	Fri	Sat	Sun	Mon	Tue	Wed						
	12pm	12am	12pm	12am	12pm	12am	12pm	12am	12pm	12am	12pm	12am	12pm
Accomac	0	0	10	10	10	20	20	10	10	15	15	35	
Blacksburg	0	0	10	15	40	15	35	10	30	10	15	10	25
Bristol	5	5	20	25	40	15	35	15	35	15	15	15	30
Cape Charles	0	0	5	5	10	10	15	15	10	10	15	15	35
Charlottesville	0	0	5	5	30	20	30	15	20	10	10	10	30
Culpeper	0	0	10	5	40	25	35	15	20	10	15	15	30
Danville	0	0	5	0	20	10	20	10	25	10	15	10	25
Emporia	0	0	5	5	15	15	15	15	20	15	15	15	30
Fairfax	0	0	10	5	25	25	35	15	15	10	15	15	30
Farmville	0	0	5	5	20	20	20	10	20	10	10	10	30
Fredericksburg	0	0	5	5	25	25	30	15	15	10	15	15	30
Galax	5	0	15	15	35	15	35	10	35	15	20	10	25
Harrisonburg	5	0	10	10	45	20	40	10	25	10	15	15	30
Louisa	0	0	5	5	25	25	25	15	15	10	15	15	30
Luray	0	0	10	10	45	20	40	10	20	10	15	10	30
Lynchburg	0	0	5	5	25	20	20	10	20	10	10	10	30
Manassas	0	0	10	5	30	25	40	15	15	10	15	15	30
Norfolk	0	0	5	5	10	10	15	15	15	10	15	15	30
Petersburg	0	0	5	5	20	20	20	15	20	10	15	15	30
Richmond	0	0	5	5	20	20	20	15	20	10	15	15	35
Roanoke	0	0	10	10	35	15	35	5	30	10	15	10	25
South Hill	0	0	0	0	15	15	20	10	20	15	15	15	30
Tappahannock	0	0	10	10	20	20	25	20	15	10	15	15	35
Williamsburg	0	0	5	5	15	15	15	15	15	10	15	15	30
Winchester	0	0	15	10	45	25	45	10	15	10	15	15	30
Wise	5	5	20	30	40	15	35	15	35	10	15	15	25
Wytheville	5	0	10	20	40	15	35	10	35	15	15	10	25

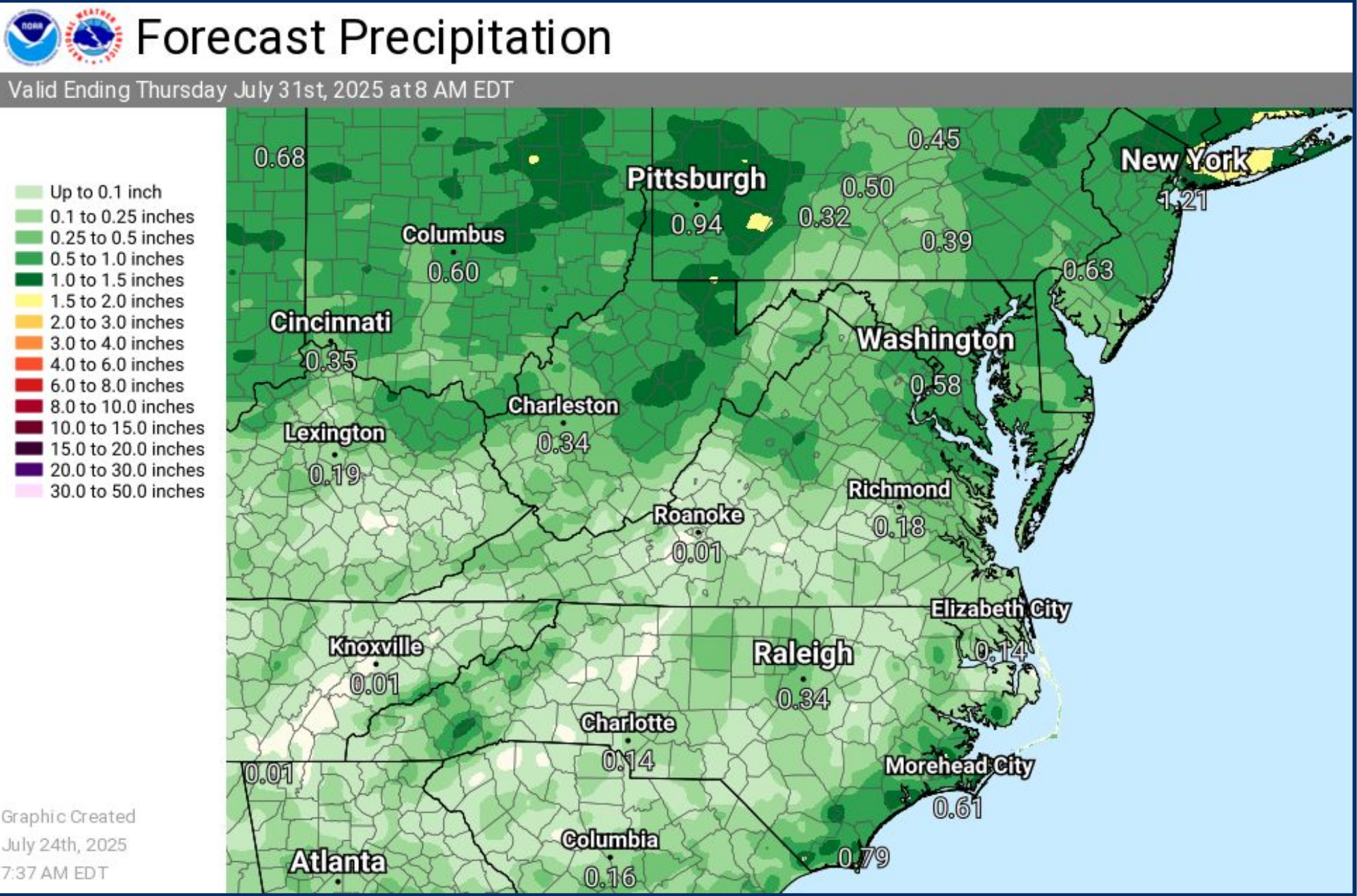


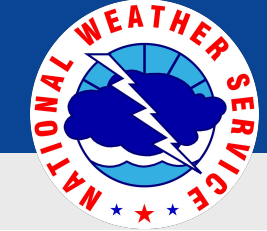


Total Precipitation

The Next 7 Days

July 21, 2025
10:00 AM





Looking Ahead to Next Week

July 21, 2025
10:00 AM

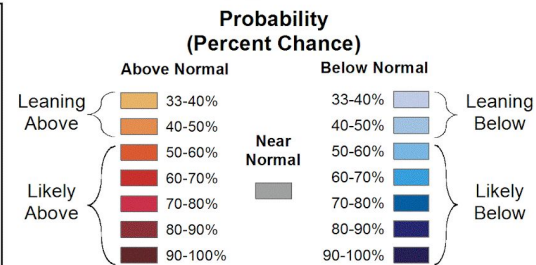
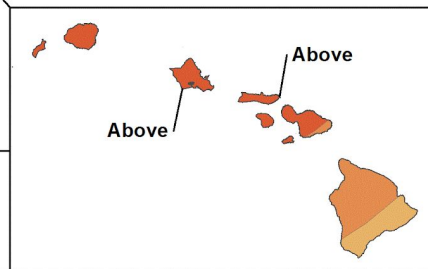
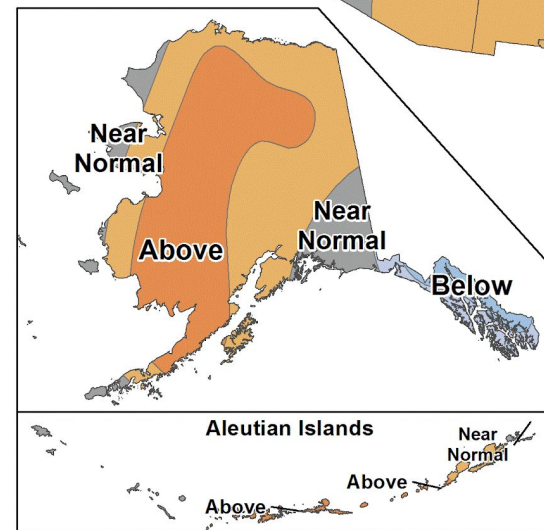
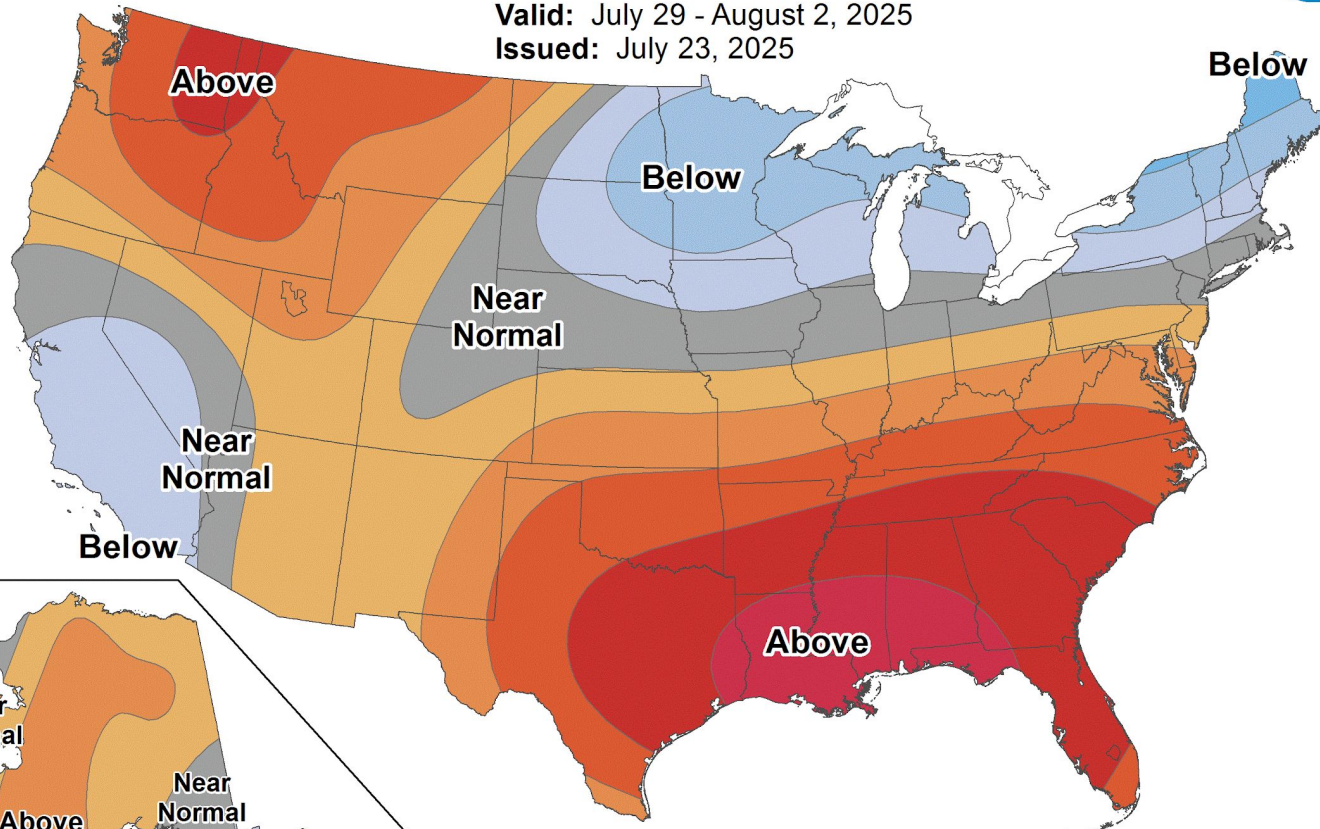


6-10 Day Temperature Outlook

Valid: July 29 - August 2, 2025
Issued: July 23, 2025

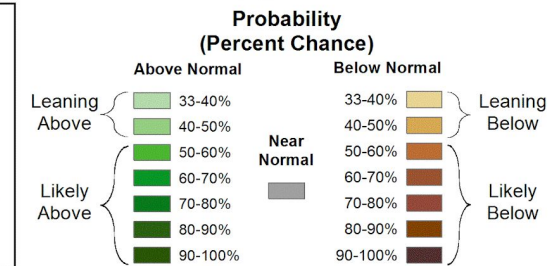
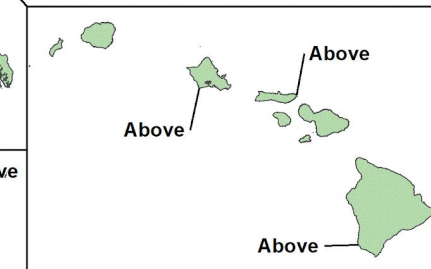
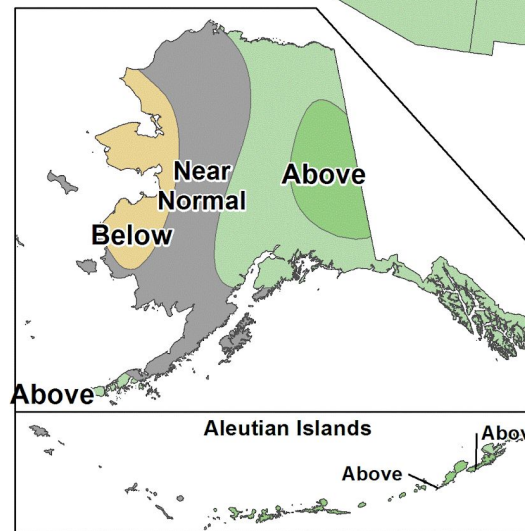
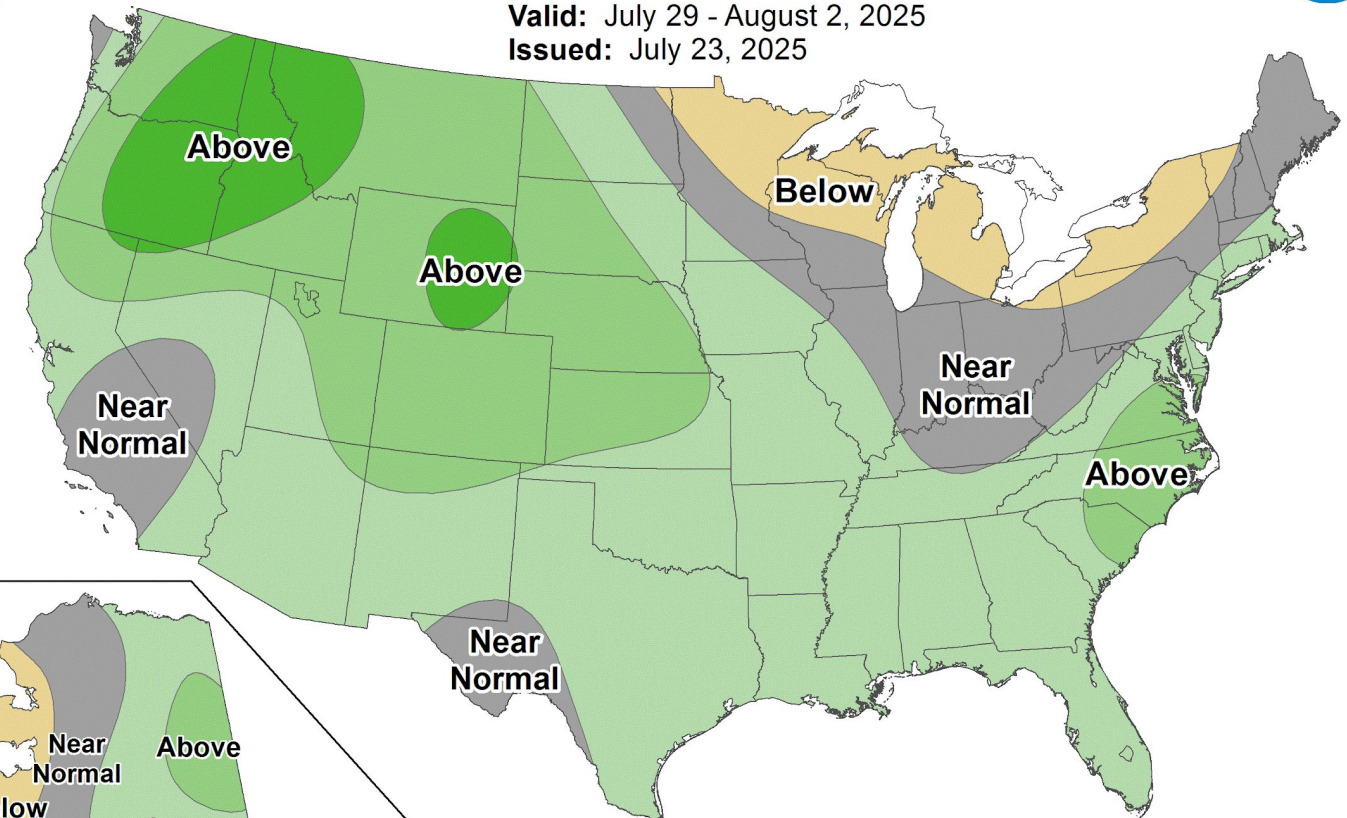


Below



6-10 Day Precipitation Outlook

Valid: July 29 - August 2, 2025
Issued: July 23, 2025



National Oceanic and
Atmospheric Administration

U.S. Department of Commerce

National Weather Service



Rip Current Forecast

July 24, 2025
9:00 AM

Rip Current Risk

Valid as of July 24, 2025 2:29 AM EDT

Nearly all Rip Deaths happen at unguarded beaches or after guards have left. Know your ability & those with you. Don't enter water if unsure the conditions.



Weather Forecast Office
Wakefield, VA



IF CAUGHT IN A RIP CURRENT

- * RELAX...don't fight the current
- * Try and relax, swim sideways to the shore
- * Take breaks and just float, wave arms to someone
- * Many times floating will bring back into waves

- Low** Low = Life Threatening Rips NOT expected. Still swim only in guarded areas.
- Moderate** Mod = Life Threatening Rips POSSIBLE. Swim only in guarded areas. Look for flags from guards. Do NOT take chances if unsure of water conditions.
- High** Dangerous Rips are expected. Look for all guard flags and heed advice of beach patrol. Don't swim unless swimming is allowed.

Ocean City Beaches Assateague State Park	Assateague VA Beaches	Virginia Beach Sandbridge	Corolla Beaches
TODAY	TODAY	TODAY	TODAY
Surf Height... 2 to 3 feet.	Surf Height... 2 to 3 feet.	Surf Height... 2 to 4 feet.	Surf Height... 2 to 4 feet.
FRIDAY	FRIDAY	FRIDAY	FRIDAY
Surf Height... Around 2 feet.	Surf Height... Around 2 feet.	Surf Height... Around 2 feet.	Surf Height... Around 2 feet.

NWSWakefieldVA

weather.gov/akq

- **HIGH Risk** for southern beaches today, with a **MODERATE Risk** for northern beaches.
- **Extended Forecast:**
 - Friday: **Low Risk** all beaches.
 - Saturday: **Low Risk** all beaches.

The latest rip current forecast can be found at:
weather.gov/beach/akq



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

National Weather Service
Wakefield, VA



Contact and Next Briefing Information

July 21, 2025
10:00 AM



Briefing Webpage

- [NWS Wakefield Briefing](#)
- [NWS Blacksburg Briefing](#)

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



Contact Information

Web

- weather.gov/akq (Wakefield)
- weather.gov/lwx (Sterling)
- weather.gov/rnk (Blacksburg)

Phone

- (757) 899-5734 (NWS Wakefield)
- (516) 993-9663 (Katie Carter)

Email

- akq-report@noaa.gov
- katie.carter@noaa.gov

