



# Winter Storm Briefing

January 10, 2025  
9:00 AM

Prepared by National Weather Service Wakefield, VA

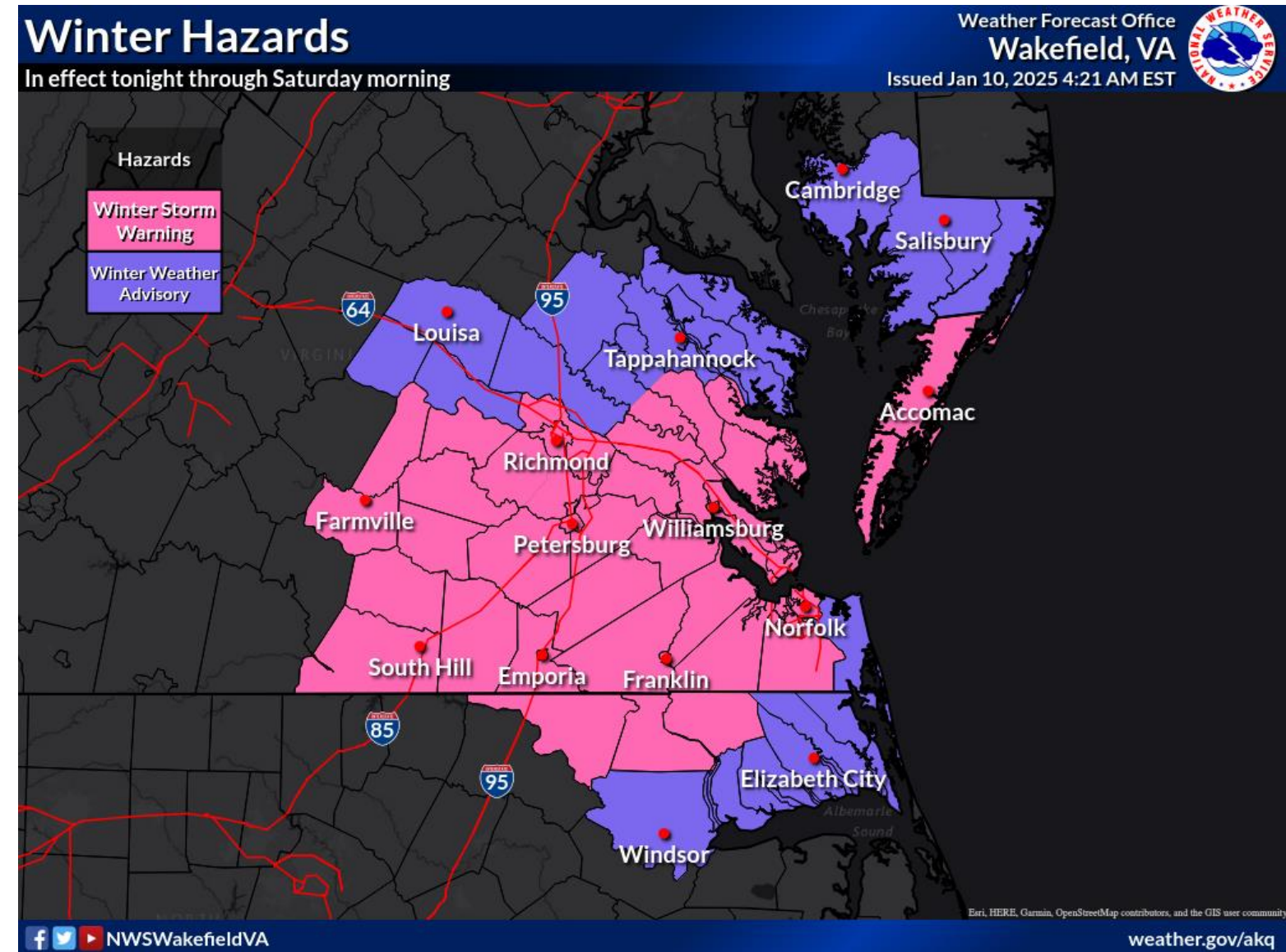
## Decision Support Briefing #5

→ As of 9:00 AM EST  
Friday, January 10, 2025

NEW

### What Has Changed

- **Winter Storm Warnings** are in effect where significant snowfall accumulations are most likely and includes most of the Richmond and Hampton Roads metro areas.
- **Winter Weather Advisories** are now in effect just to the north and south of the warning. Northern portions of the advisory will see snow accumulations of 1 to 3 inches. Southern portions of the advisory will see up to 1 to 2 inches of snow accumulation combined with a light glaze of ice.
- Model trends have increased snow a little and continue to favor a band of heavier snow totals. While the exact location of where this band sets up remains uncertain, it has been accounted for in the High-End Snow Potential graphic.



*Disclaimer: Information may become outdated after briefing time. Consult [weather.gov/wakefield](https://weather.gov/wakefield) for the latest information.*



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

National Weather Service  
Wakefield, VA



# Key Messages

January 10, 2025  
9:00 AM

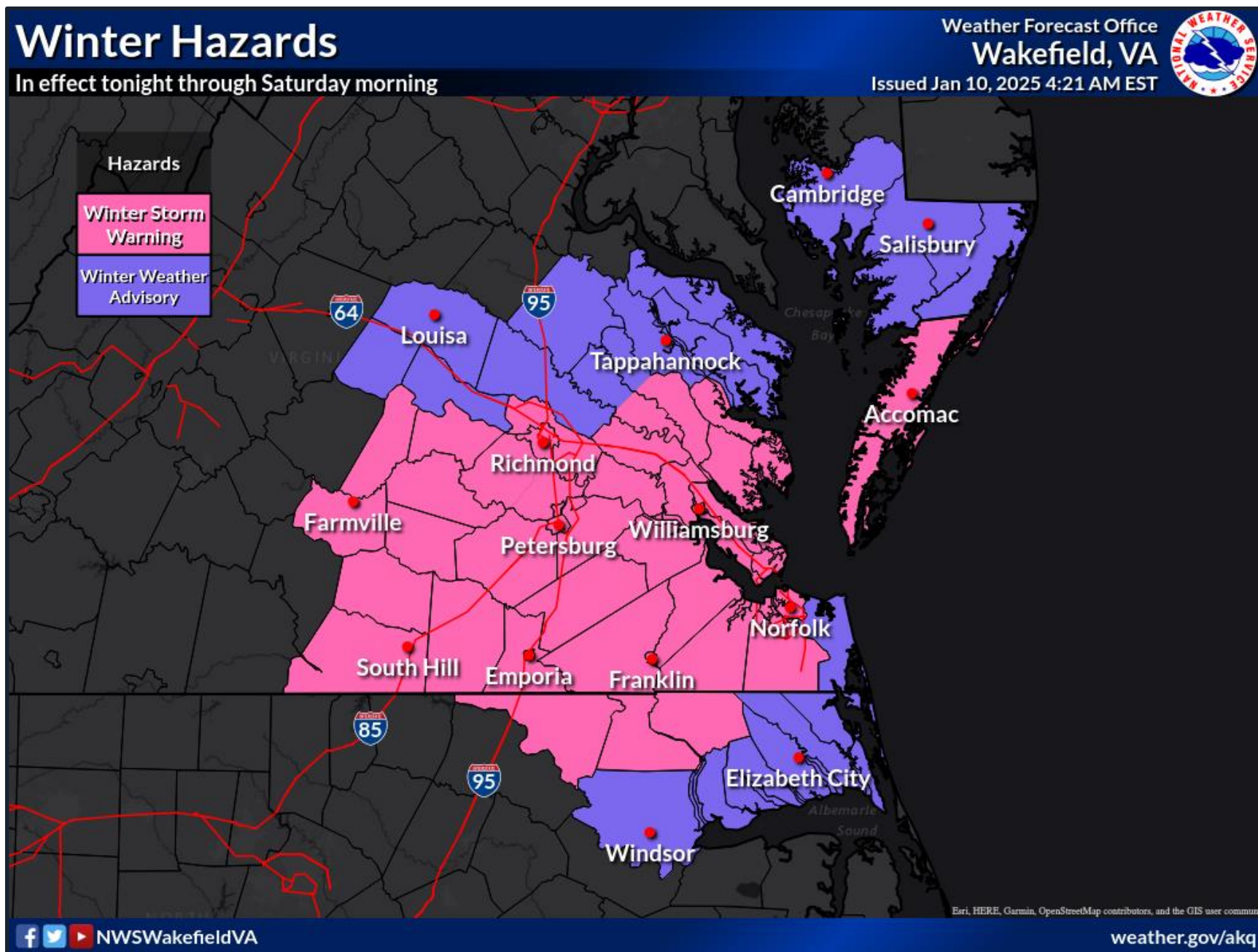
- A Winter Storm Warning is in effect for areas with the greatest confidence of significant snow accumulations (including much of the Richmond and Hampton Roads metro areas). A Winter Weather Advisory is in effect to the north and south of the warning where slightly less snow accumulation is expected.
- **AMOUNTS:** A widespread 2 to 4 inches of snow is likely. Additionally, a band of more significant accumulations of up to 6 inches is possible across central/south central VA.
- **TIMING:** Onset of snow will be around 7 to 10 pm this evening, increasing in intensity later tonight and through the early morning hours Saturday. Snow mixes with or changes over to sleet, freezing rain, or freezing drizzle across portions of NE NC and near the NC/VA border south of Chesapeake.
- **Snow rates will peak between 1 to 2 inches per hours from late tonight into early Saturday morning.** Quick accumulations of snow are expected during this time.
- Following the snowfall, temperatures plummet once again into the teens and low 20s Saturday night with highs Sunday in the mid to upper 30s. Lows in the teens again Sunday night. **Melting and refreezing is expected into early next week.**
- **Marine Weather** - Small Craft Advisory conditions are then expected Saturday afternoon through Saturday night. Occasional wind gusts of 35 knots or higher will be possible Saturday night.





# Winter Hazard Overview

January 10, 2025  
9:00 AM



**Winter Storm Warnings** are in effect where significant snowfall accumulations of 3 to 5 inches are most likely and includes most of the Richmond and Hampton Roads metro areas.

**Winter Weather Advisories** are now in effect just to the north and south of the warning.

- Northern portions of the advisory: snow accumulations of 1 to 3 inches.
- Southern portions of the advisory: up to 1 to 2 inches of snow accumulation combined with a light glaze of ice.

Warnings and Advisories are in effect tonight through Saturday morning.



# Expected Snowfall - Tonight/Saturday AM

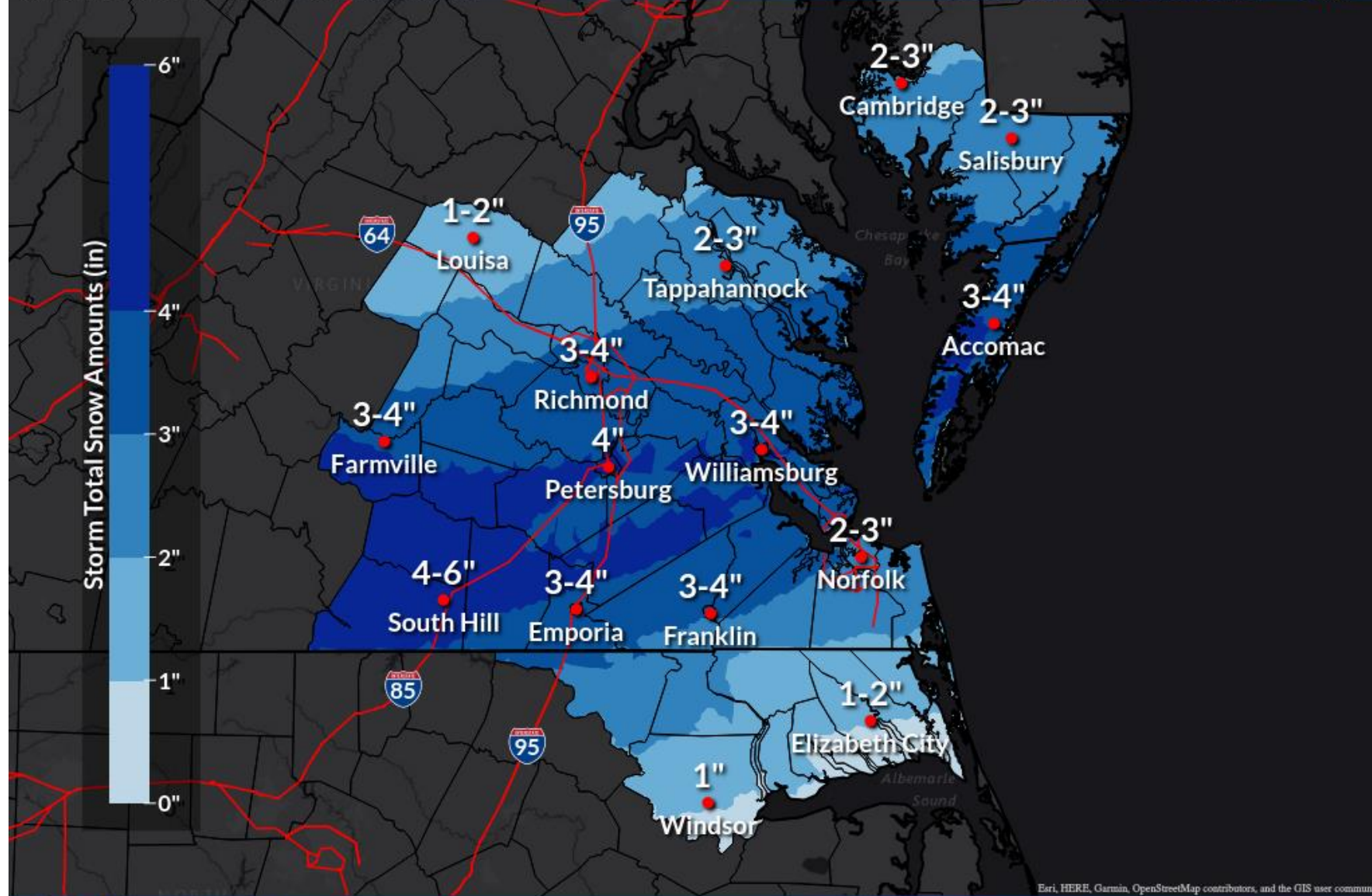
January 10, 2025  
9:00 AM

## Snow Totals Through 72 Hrs

Valid Fri 7:00AM through Mon 7:00AM EST

Weather Forecast Office  
Wakefield, VA

Issued Jan 10, 2025 3:40 AM EST



f t NWSWakefieldVA

weather.gov/akq

- **SNOW AMOUNTS:** A widespread 2 to 4 inches of snow is likely. Additionally, a band of more significant accumulations of up to 6 inches is possible across central/south central VA.
- **TIMING:** Snow moves in from the west-southwest Friday evening, mainly after 7 pm. Snowfall rates peak between 11 pm and 6 am. Snow quickly tapers off from west to east Saturday morning.
- Areas south of Norfolk and over portions of NE NC could see a brief change over to sleet, freezing rain, or freezing drizzle early Saturday morning. Plain rain mixes across the far southeast as the system winds down.
- **Hazards:** **Hazardous road conditions are expected tonight and Saturday morning.**



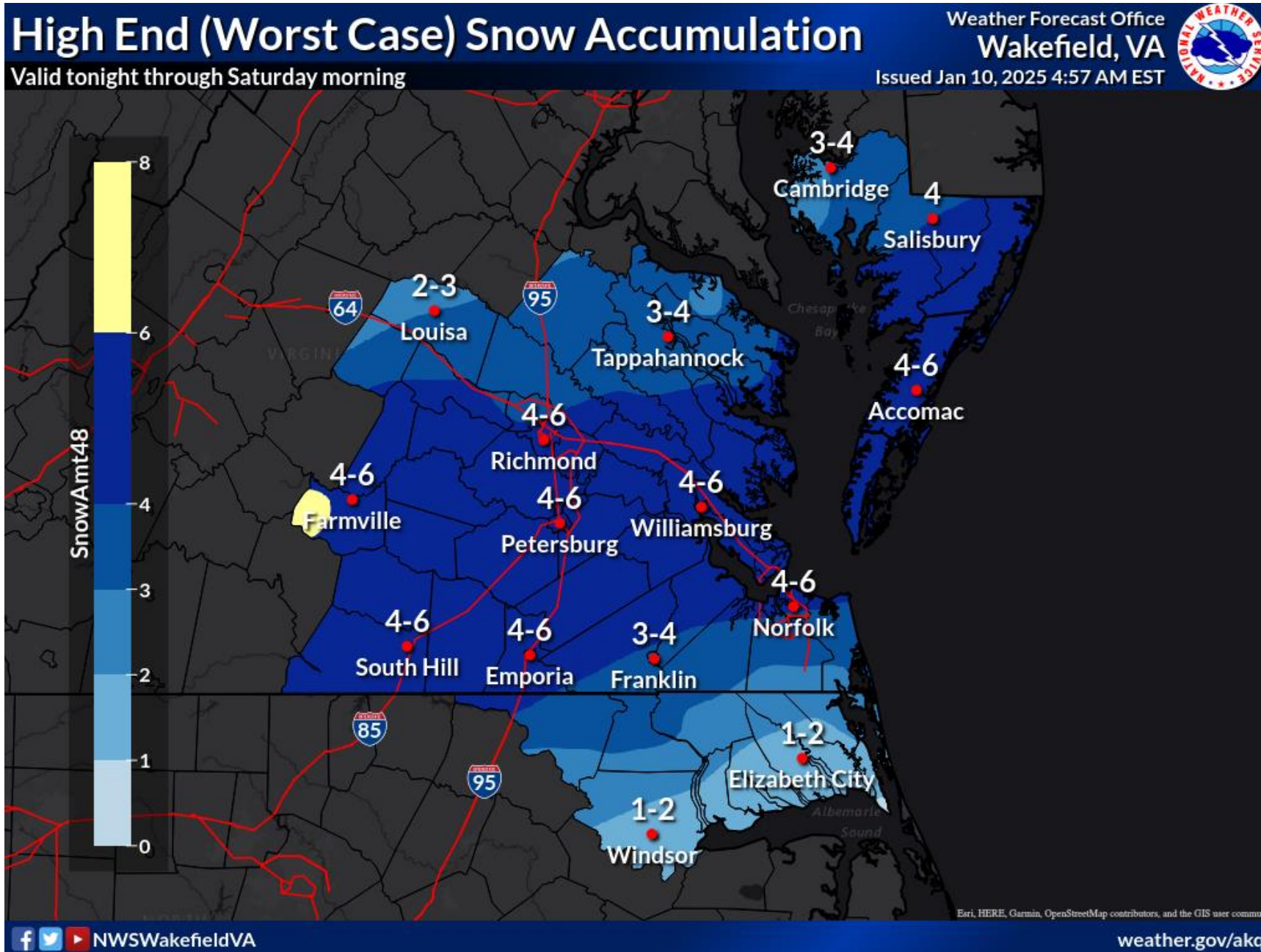
National Oceanic and Atmospheric Administration  
U.S. Department of Commerce

National Weather Service  
Wakefield, VA



# High End (Worst Case) Snow Amount

January 10, 2025  
9:00 AM



This graphic illustrates the worst case potential snowfall (1 in 10 chance). This is useful for planning purposes in case forecast snow totals increase.

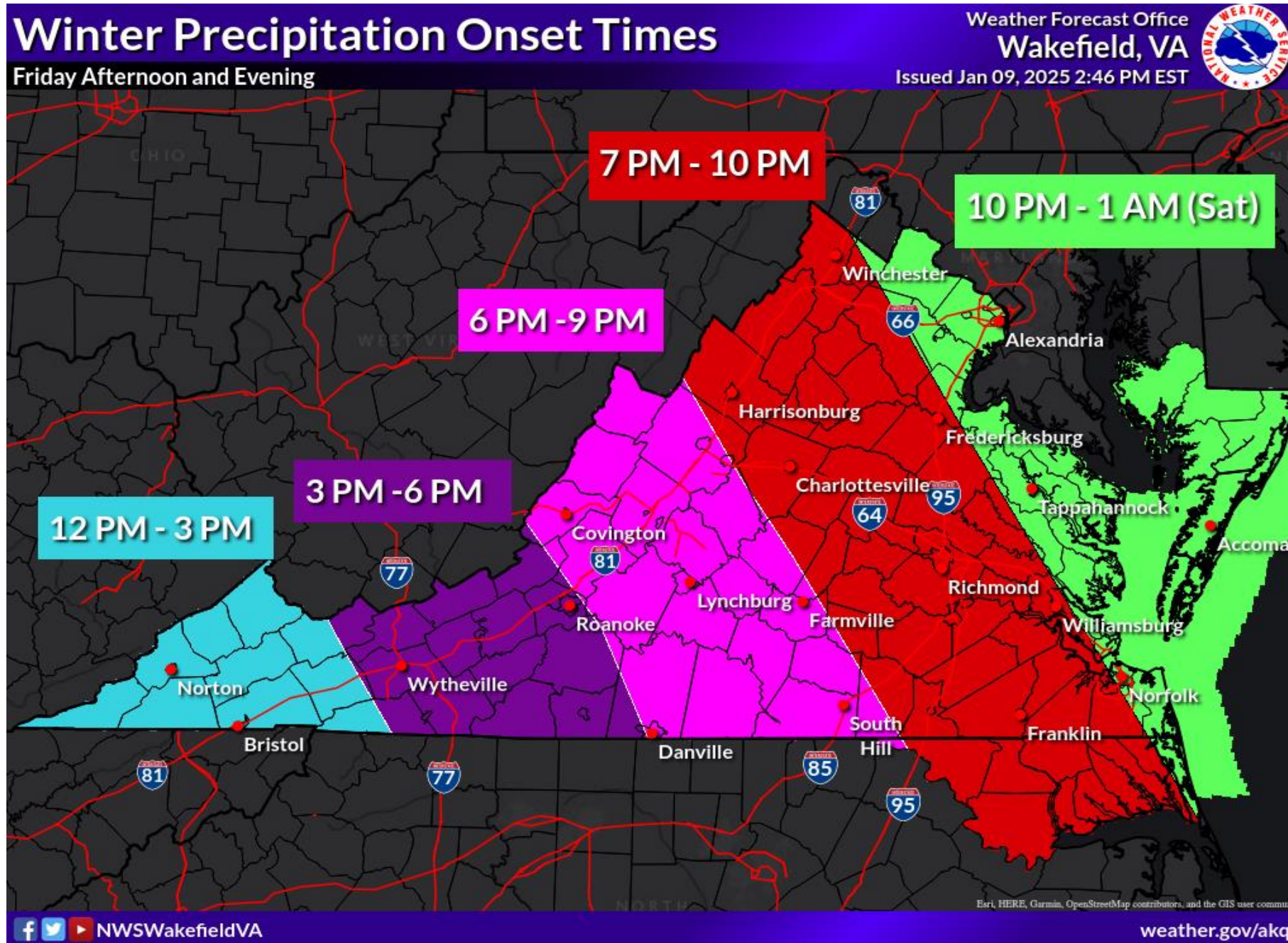
There could be a narrow band of up to 6 inches of snow across central/south central VA and the lower Eastern Shore.





# Snow ONSET Timing

January 10, 2025  
9:00 AM



- Snow will spread in from the west-southwest Friday afternoon and evening.
- Snowfall rates will increase quickly late Friday night, as snow spreads east.



# Peak Hourly Snow Rates

January 10, 2025  
9:00 AM

Fri 7 PM to Sat 1 AM

Sat 1 AM to Sat 7 AM

## Peak Hourly Snow Rate (in/hr)

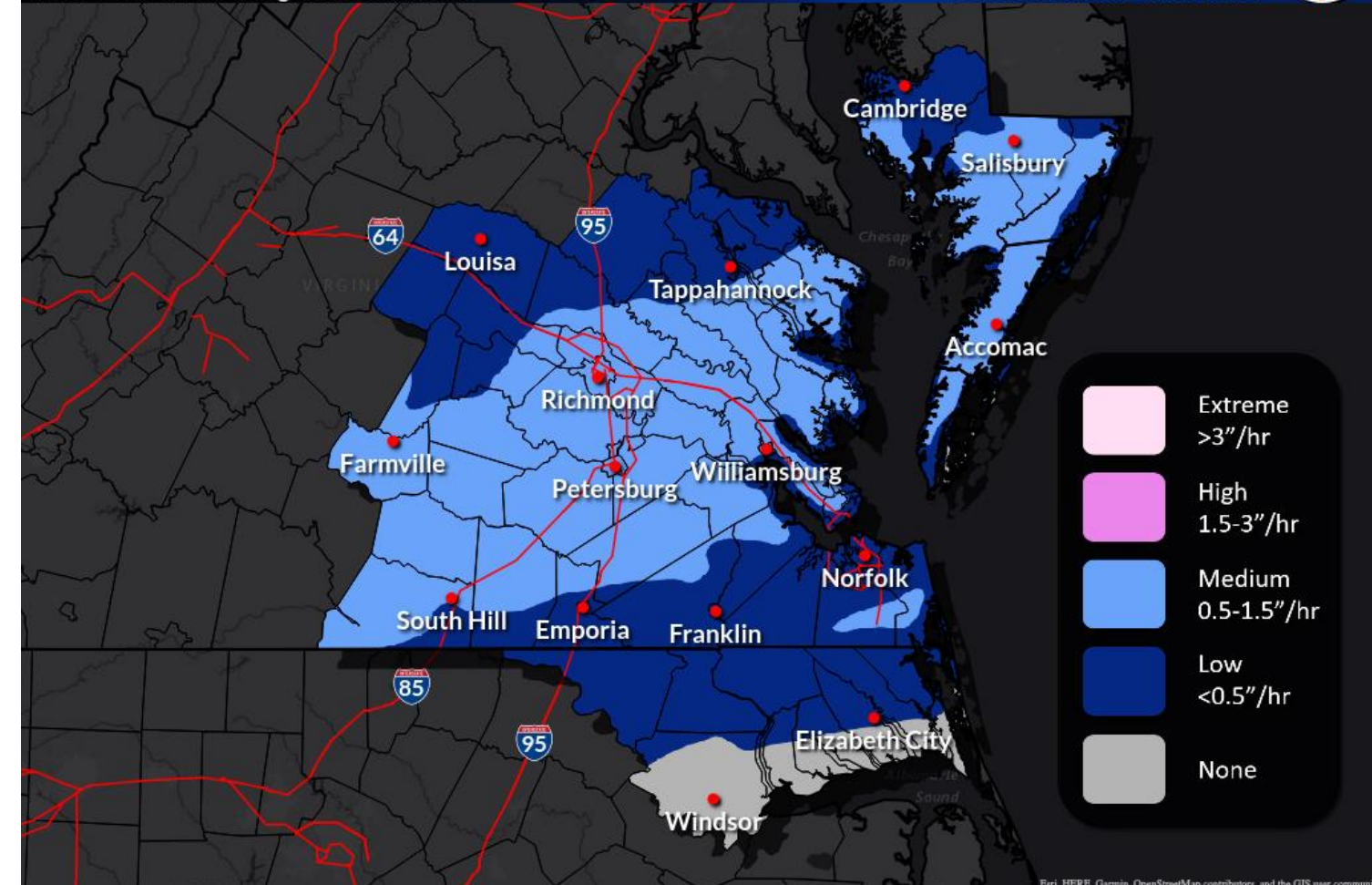
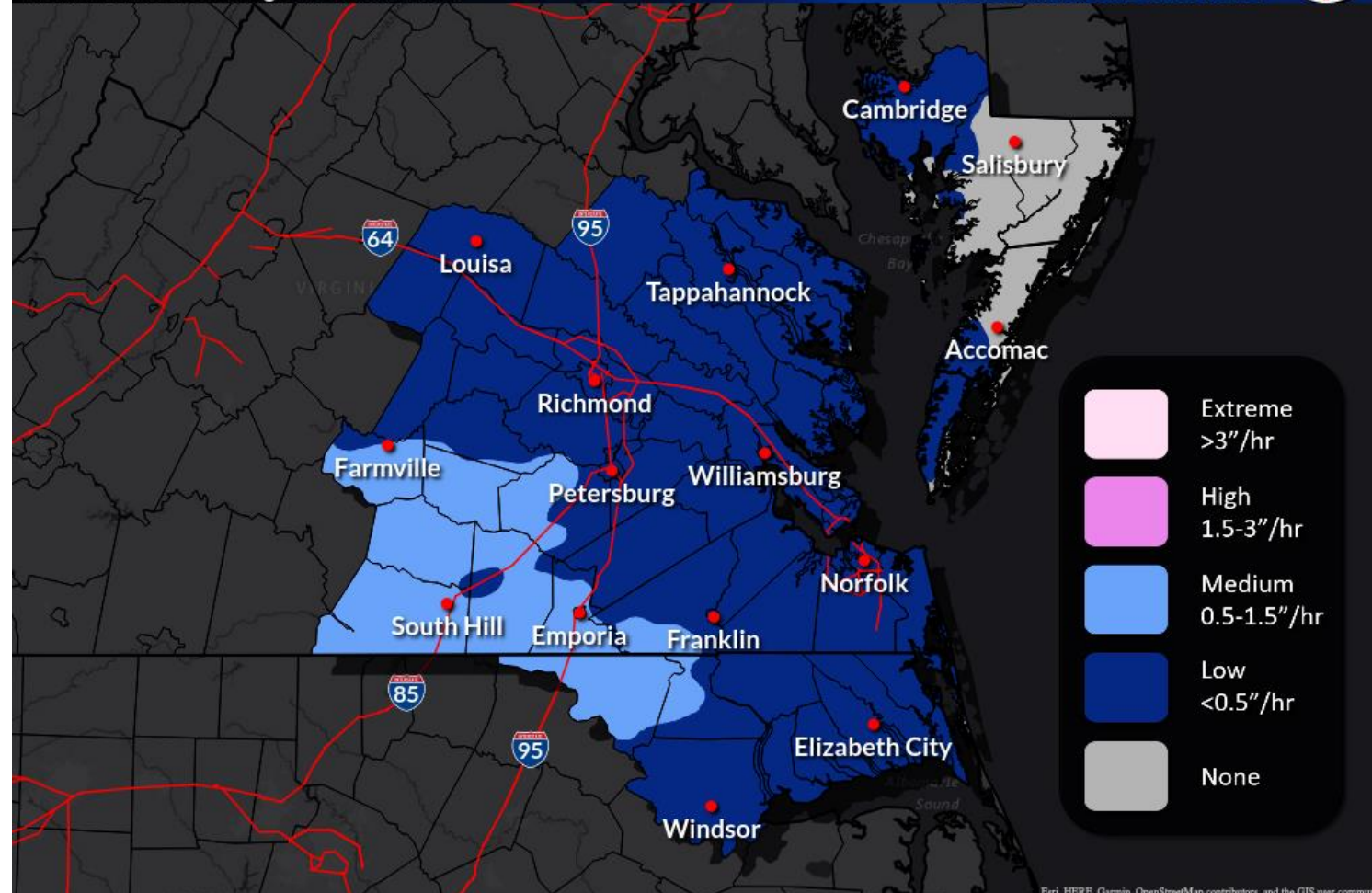
## Peak Hourly Snow Rate (in/hr)

Valid Fri 7:00PM through Sat 1:00AM EST

Valid Sat 1:00AM through Sat 7:00AM EST

Weather Forecast Office  
Wakefield, VA  
Issued Jan 10, 2025 3:44 AM EST

Weather Forecast Office  
Wakefield, VA  
Issued Jan 10, 2025 3:44 AM EST



Snow rates of 1.0"+ per hour are possible early Saturday morning over much of the area.



# Expected Ice Forecast

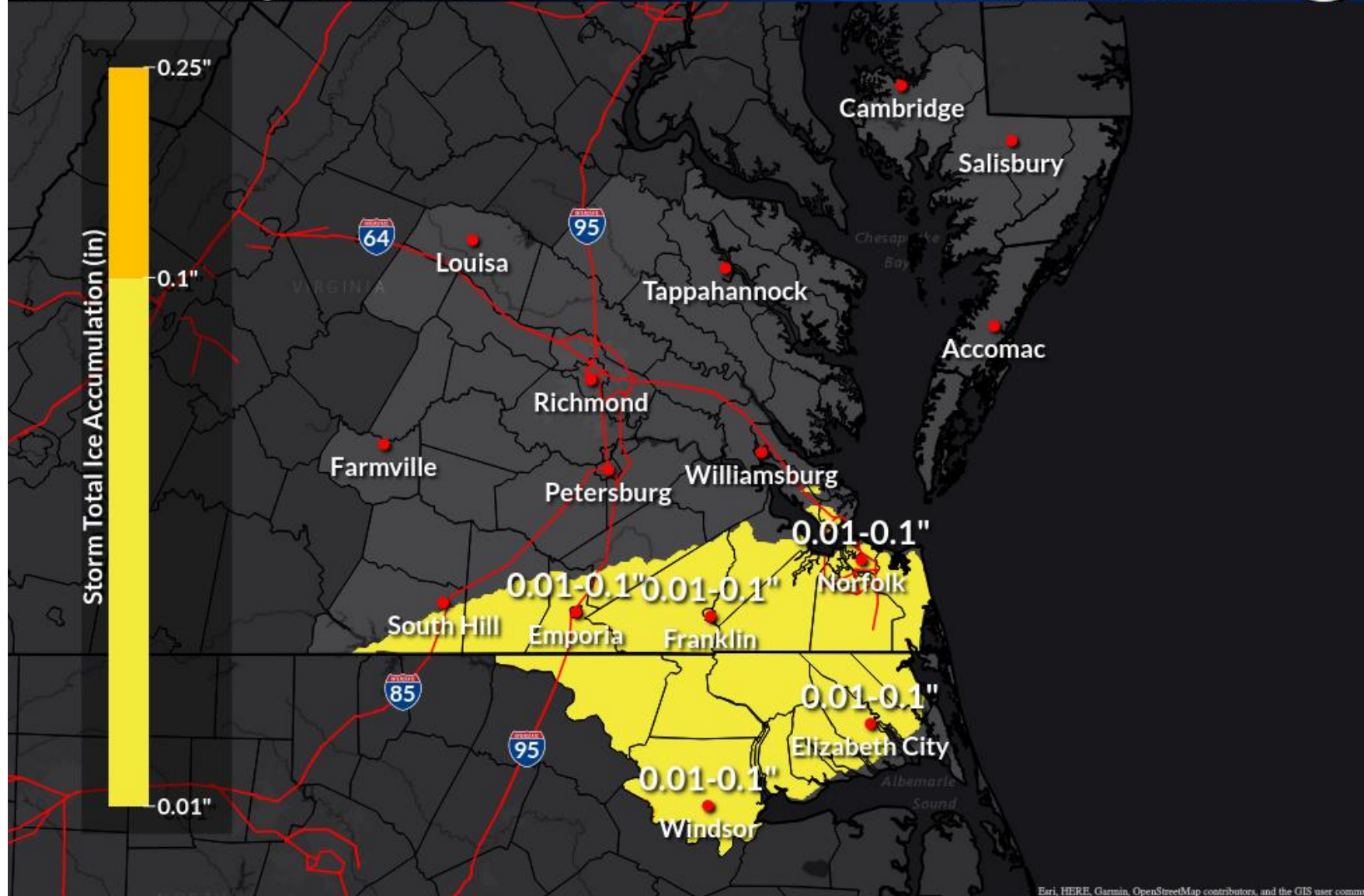
January 10, 2025  
9:00 AM

## Ice Totals Through 72 Hrs

Valid Fri 7:00AM through Mon 7:00AM EST

Weather Forecast Office  
Wakefield, VA

Issued Jan 10, 2025 3:40 AM EST

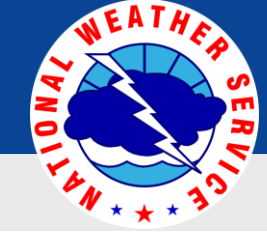


NWSWakefieldVA

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

- Snow mixes with sleet and/or freezing rain later tonight into early Saturday morning across southern portions of the area.
- Ice accumulations up to 0.10" are possible across portions of northeast NC and far southern VA.
- Snow will be the primary wintry precipitation type further north, but a light glaze of ice is possible.
- Isolated power outages are possible over northeast NC where the highest ice accumulations are forecast to occur.



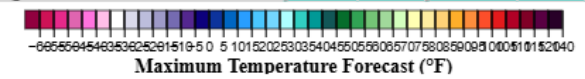


# Precipitation Timing & Temperatures

January 10, 2025  
9:00 AM

	Weather Forecast						
	1/10 Fri		1/11 Sat				
	6pm	9pm	12am	3am	6am	9am	12pm
Accomac		☁	☁	☁	☁	☁	☁
Ahoskie	☁	☁	☁	☁	☁	☁	
Bowling Green	☁	☁	☁	☁	☁	☁	
Cambridge		☁	☁	☁	☁	☁	☁
Cape Charles	☁	☁	☁	☁	☁	☁	☁
Corolla	☁	☁	☁	☁	☁	☁	☁
Edenton	☁	☁	☁	☁	☁	☁	☁
Elizabeth City	☁	☁	☁	☁	☁	☁	☁
Emporia	☁	☁	☁	☁	☁	☁	
Farmville	☁	☁	☁	☁	☁		
Goochland	☁	☁	☁	☁	☁		
Louisa	☁	☁	☁	☁	☁		
Norfolk / Portsmouth	☁	☁	☁	☁	☁	☁	☁
Ocean City		☁	☁	☁	☁	☁	☁
Petersburg	☁	☁	☁	☁	☁	☁	
Richmond	☁	☁	☁	☁	☁	☁	
Salisbury		☁	☁	☁	☁	☁	☁
Snow Hill		☁	☁	☁	☁	☁	☁
South Hill	☁	☁	☁	☁	☁	☁	☁
Suffolk	☁	☁	☁	☁	☁	☁	☁
Tappahannock	☁	☁	☁	☁	☁	☁	
Virginia Beach	☁	☁	☁	☁	☁	☁	☁
Wakefield	☁	☁	☁	☁	☁	☁	☁
Williamsburg	☁	☁	☁	☁	☁	☁	☁
Windsor	☁	☁	☁	☁	☁	☁	☁

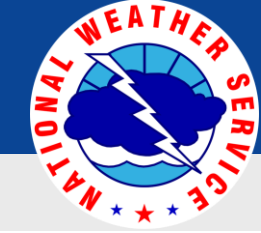
	Maximum Temperature Forecast (°F)					
	1/10 Fri		1/11 Sat			
	6pm	9pm	12am	3am	6am	9am
Accomac	32	32	31	32	33	35
Ahoskie	34	32	30	31	33	38
Bowling Green	29	28	27	28	29	35
Cambridge	30	29	29	30	30	33
Cape Charles	35	35	33	33	34	35
Corolla	37	37	36	37	38	39
Deltaville	32	31	30	31	31	35
Edenton	36	34	32	33	34	38
Elizabeth City	35	33	32	33	34	37
Emporia	33	30	28	29	31	37
Farmville	30	28	28	28	30	37
Hampton / Newport News	35	34	31	32	33	36
Louisa	29	27	27	28	28	34
Norfolk / Portsmouth	35	33	31	32	34	36
Ocean City	31	30	31	32	32	34
Petersburg	31	30	29	29	31	36
Richmond	30	29	28	29	30	34
Salisbury	29	28	28	29	30	33
South Hill	32	29	28	29	31	36
Suffolk	34	32	30	31	33	36
Tappahannock	30	29	28	28	30	35
Virginia Beach	35	34	32	33	34	36
Williamsburg	33	32	30	30	32	36



\*Created: 5 am EST Fri 1/10/2025. Shows most impactful weather for the period beginning at the time shown. Weather symbols display where Probability of Precipitation ≥ 0%.

Created: 7 am EST Fri 1/10/2025 | Values are maximums over the period beginning at the time shown.

- Rain +   - Fz Rain +   - Wintry Mix +   - Snow +

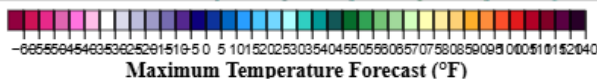


# Regional Forecast Summary

January 10, 2025  
9:00 AM

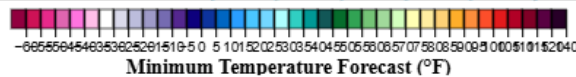
## Maximum Temperature Forecast (°F)

	1/10	1/11	1/12	1/13	1/14	1/15	1/16	1/17
	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri
Accomac	34	37	37	41	36	32	34	37
Ahoskie	38	42	40	46	39	36	37	43
Bowling Green	34	39	37	43	34	31	33	38
Cambridge	32	35	35	38	31	28	31	34
Cape Charles	36	40	37	41	36	33	34	37
Corolla	39	42	39	46	39	36	36	40
Deltaville	35	39	38	44	36	34	35	39
Edenton	39	43	41	48	41	38	39	44
Elizabeth City	39	42	41	48	41	37	38	43
Emporia	38	42	39	46	37	36	37	43
Farmville	35	41	38	44	35	33	36	40
Hampton / Newport News	37	40	39	46	39	36	36	41
Louisa	33	39	33	43	34	30	33	38
Norfolk / Portsmouth	38	40	39	46	39	36	37	41
Ocean City	33	35	36	39	32	29	31	34
Petersburg	35	41	39	46	37	34	36	41
Richmond	33	39	37	44	36	32	34	40
Salisbury	32	35	36	39	32	28	31	34
South Hill	36	40	39	45	37	35	36	42
Suffolk	38	41	39	46	39	36	36	41
Tappahannock	34	39	37	43	35	32	33	38
Virginia Beach	37	40	38	44	39	36	36	40
Williamsburg	37	40	39	45	37	34	36	40



## Minimum Temperature Forecast (°F)

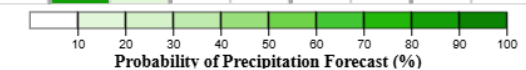
	1/10	1/11	1/12	1/13	1/14	1/15	1/16	1/17
	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri
Accomac	24	29	24	24	23	18	19	22
Ahoskie	19	26	19	20	24	16	16	20
Bowling Green	13	23	16	16	18	11	13	15
Cambridge	21	28	25	21	21	17	19	20
Cape Charles	27	30	30	30	24	24	24	28
Corolla	28	35	31	31	29	24	24	28
Deltaville	20	27	21	22	21	15	15	19
Edenton	22	30	24	25	27	19	19	23
Elizabeth City	22	29	23	24	25	18	18	22
Emporia	15	24	17	18	21	13	13	18
Farmville	14	24	16	18	21	15	15	20
Hampton / Newport News	22	30	26	27	26	20	20	23
Louisa	10	21	14	15	18	11	11	16
Norfolk / Portsmouth	24	30	26	26	26	20	20	23
Ocean City	23	26	25	25	22	18	20	23
Petersburg	15	25	18	20	22	15	15	19
Richmond	13	24	18	20	22	15	15	19
Salisbury	18	26	22	17	19	13	16	17
South Hill	17	25	18	19	23	16	16	21
Suffolk	21	28	22	22	24	17	17	21
Tappahannock	15	25	18	18	19	12	14	16
Virginia Beach	27	29	28	28	28	22	22	25
Williamsburg	19	27	20	21	23	15	15	19



Created: 7 am EST Fri 1/10/2025 | Values are minimums over the period beginning at the time shown.

## Probability of Precipitation Forecast (%)

	1/10	1/11	1/12	1/13	1/14	1/15	1/16	1/17
	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri
Accomac	0	80	30	0	0	0	0	5
Ahoskie	0	95	15	0	0	0	0	0
Bowling Green	0	85	5	0	0	0	0	5
Cambridge	0	70	15	0	0	0	0	5
Cape Charles	0	85	30	0	0	0	0	5
Corolla	0	85	40	0	0	0	0	5
Deltaville	0	85	20	0	0	0	0	5
Edenton	0	85	25	0	0	0	0	0
Elizabeth City	0	85	30	0	0	0	0	0
Emporia	0	95	10	0	0	0	0	0
Farmville	0	95	0	0	0	0	0	5
Hampton / Newport News	0	85	25	0	0	0	0	5
Louisa	0	85	0	0	0	0	0	5
Norfolk / Portsmouth	0	85	25	0	0	0	0	5
Ocean City	0	60	30	0	0	0	0	10
Petersburg	0	90	10	0	0	0	0	0
Richmond	0	85	10	0	0	0	0	5
Salisbury	0	70	25	0	0	0	0	5
South Hill	0	95	5	0	0	0	0	0
Suffolk	0	85	20	0	0	0	0	0
Tappahannock	0	85	10	0	0	0	0	5
Virginia Beach	0	85	35	0	0	0	0	5
Williamsburg	0	85	20	0	0	0	0	5



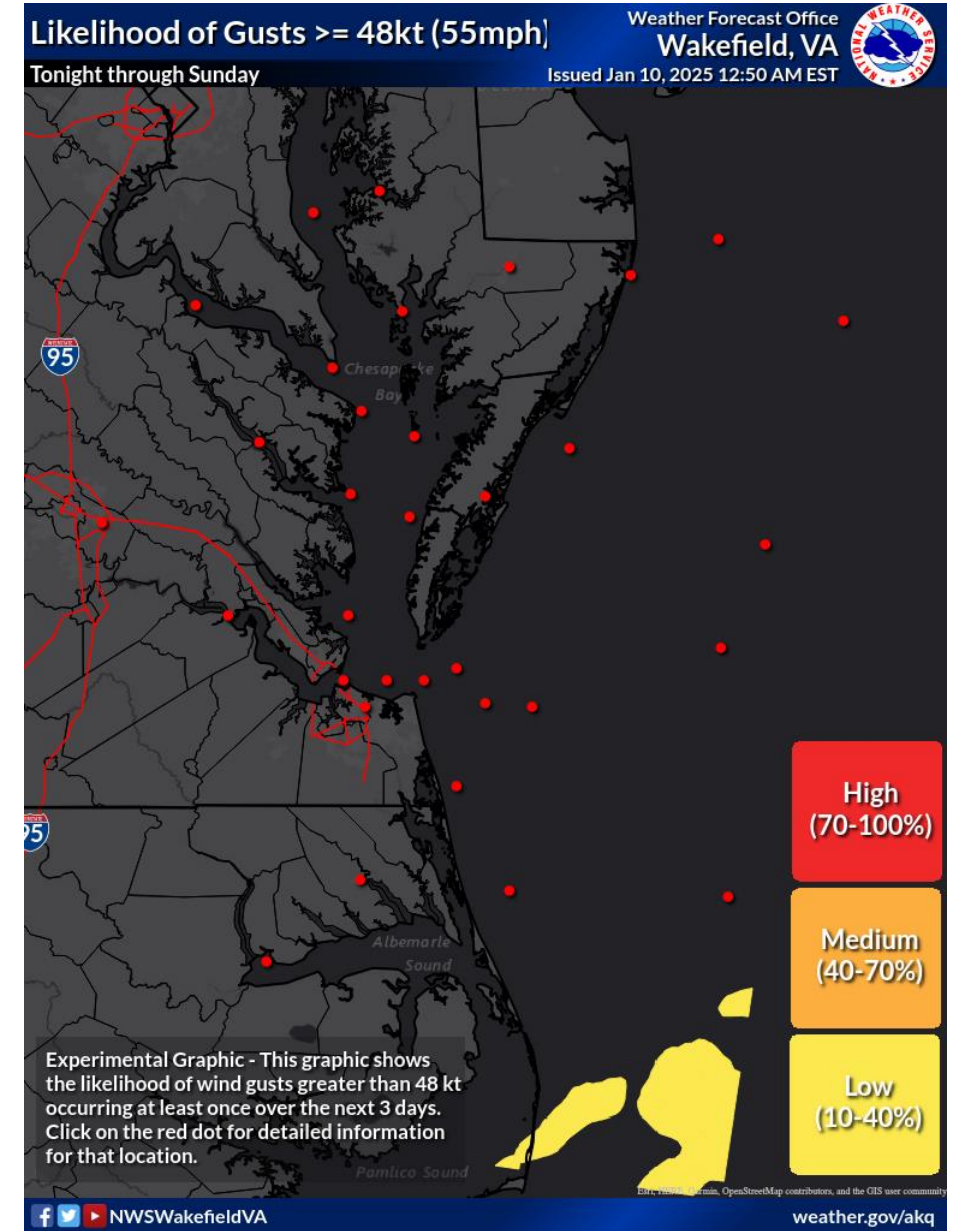
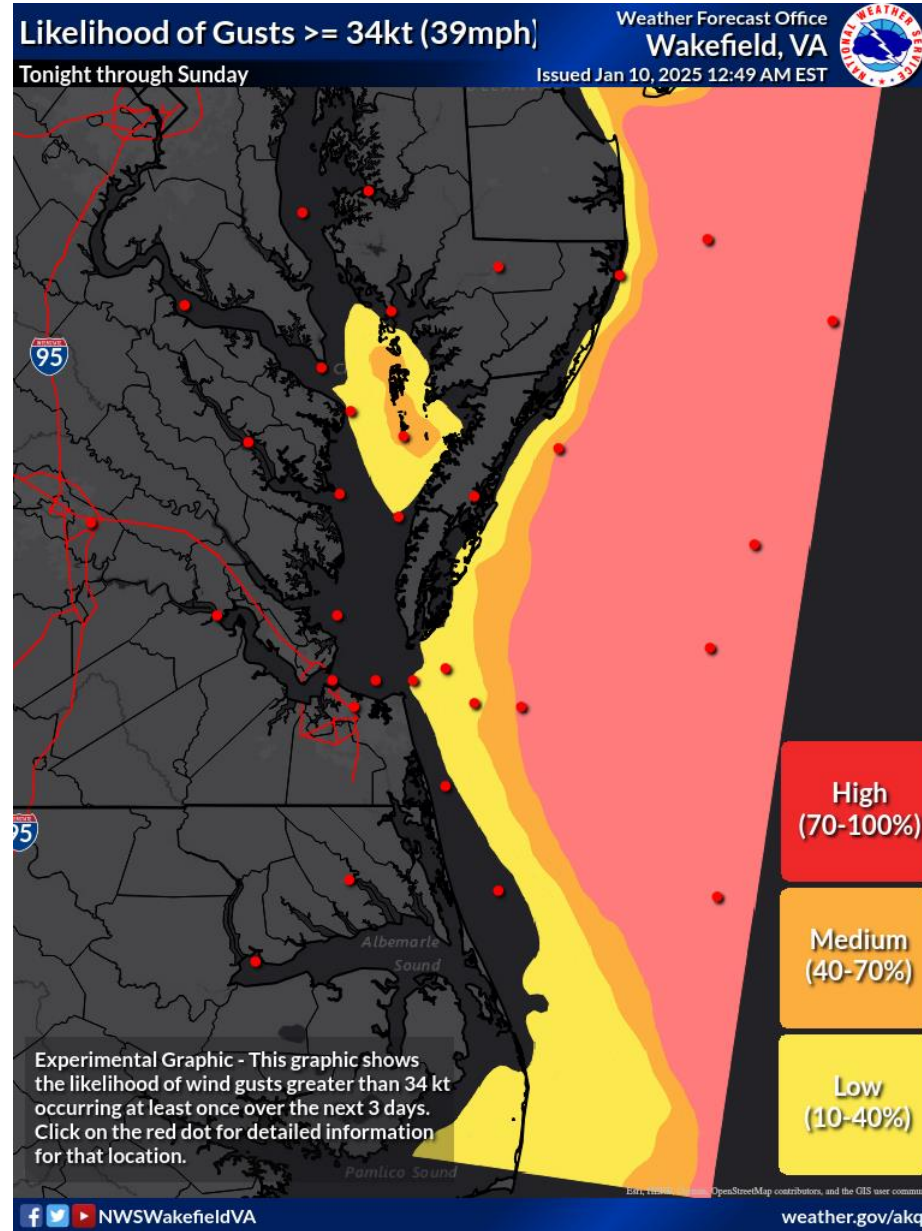
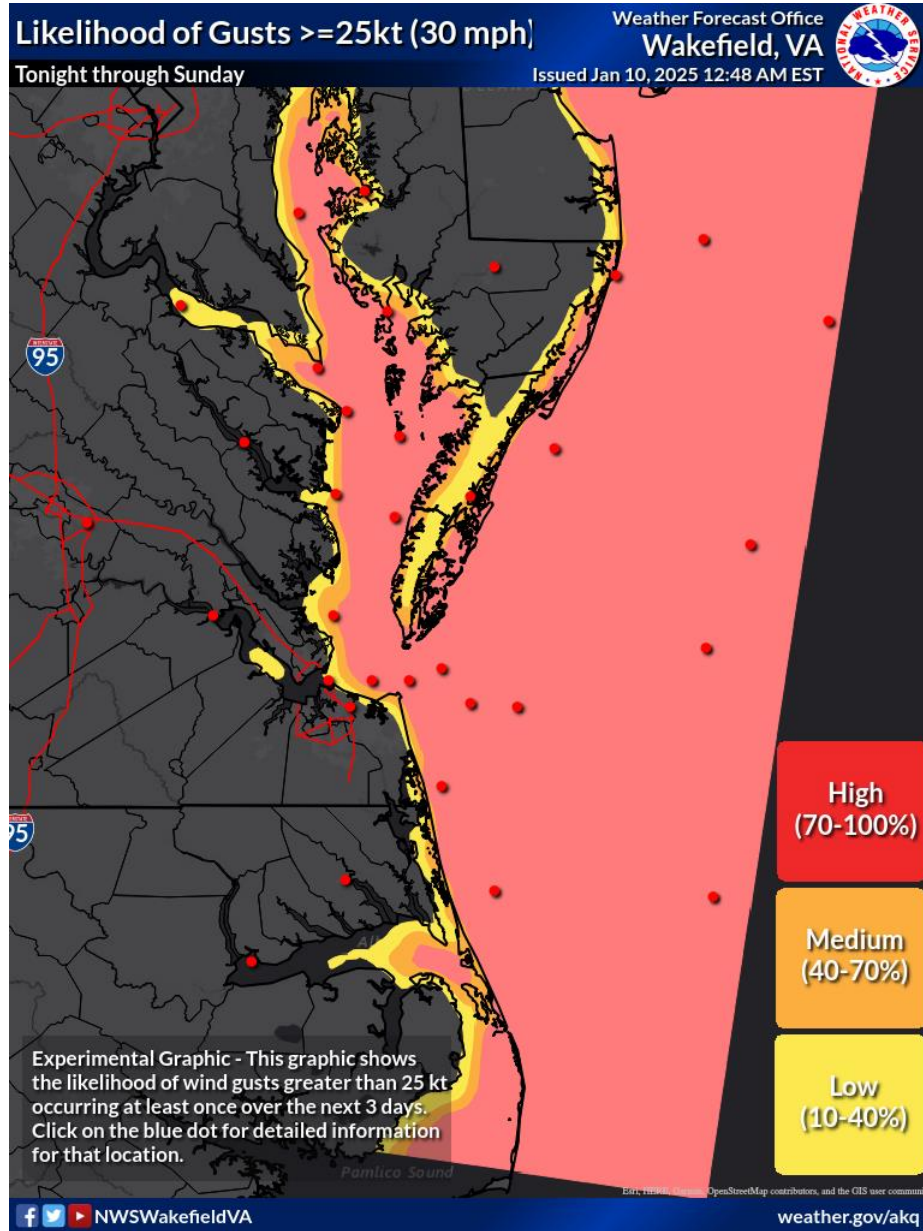
Created: 7 am EST Fri 1/10/2025 |





# Marine Wind Probabilities

January 10, 2025  
9:00 AM





# Marine Threats

January 10, 2025  
9:00 AM

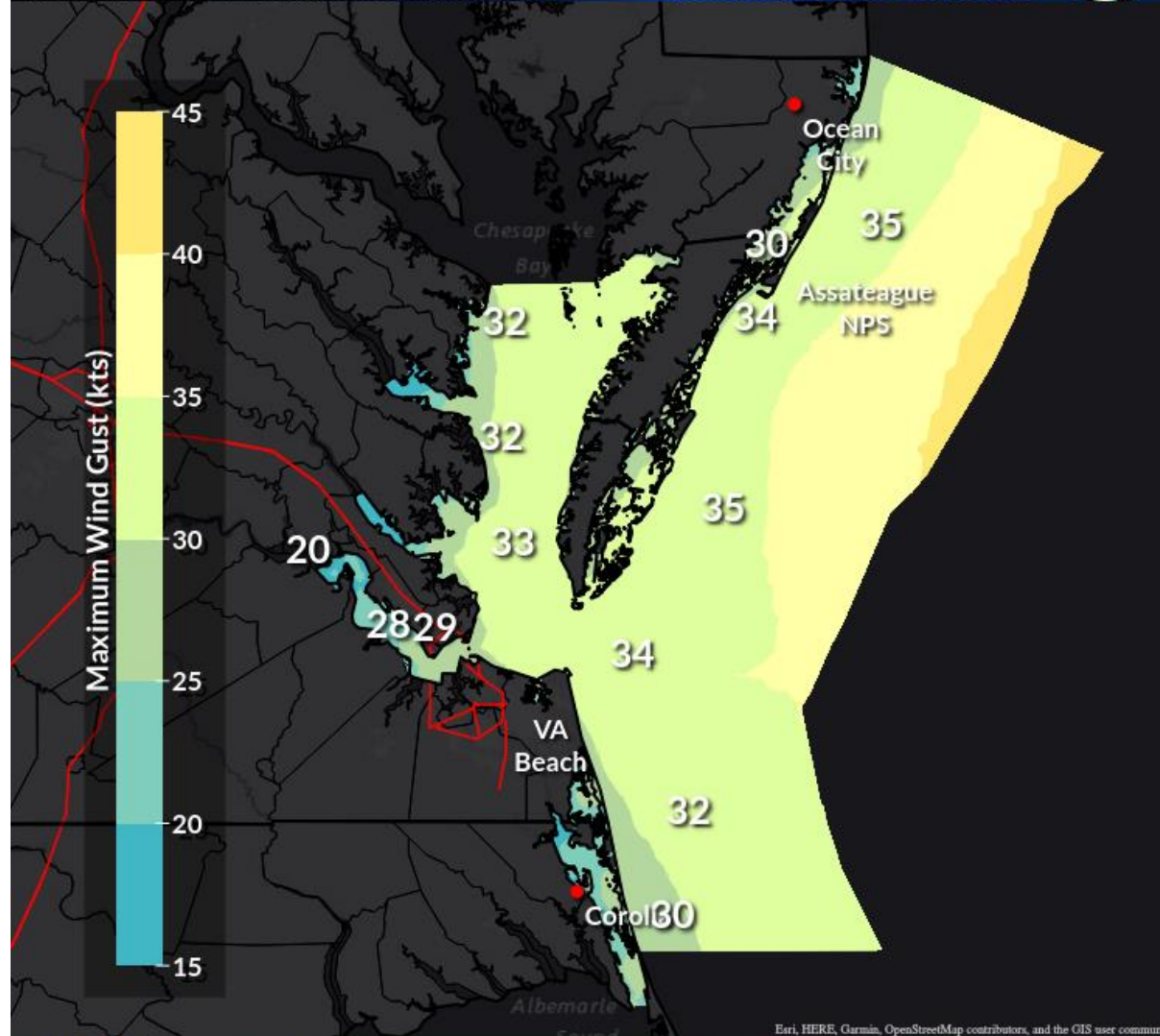
## Max Wind Gust Through 72 Hrs (kt)

Weather Forecast Office  
Wakefield, VA



Valid Fri 7:00AM through Mon 7:00PM EST

Issued Jan 10, 2025 3:19 AM EST



NWSWakefieldVA

weather.gov/akq

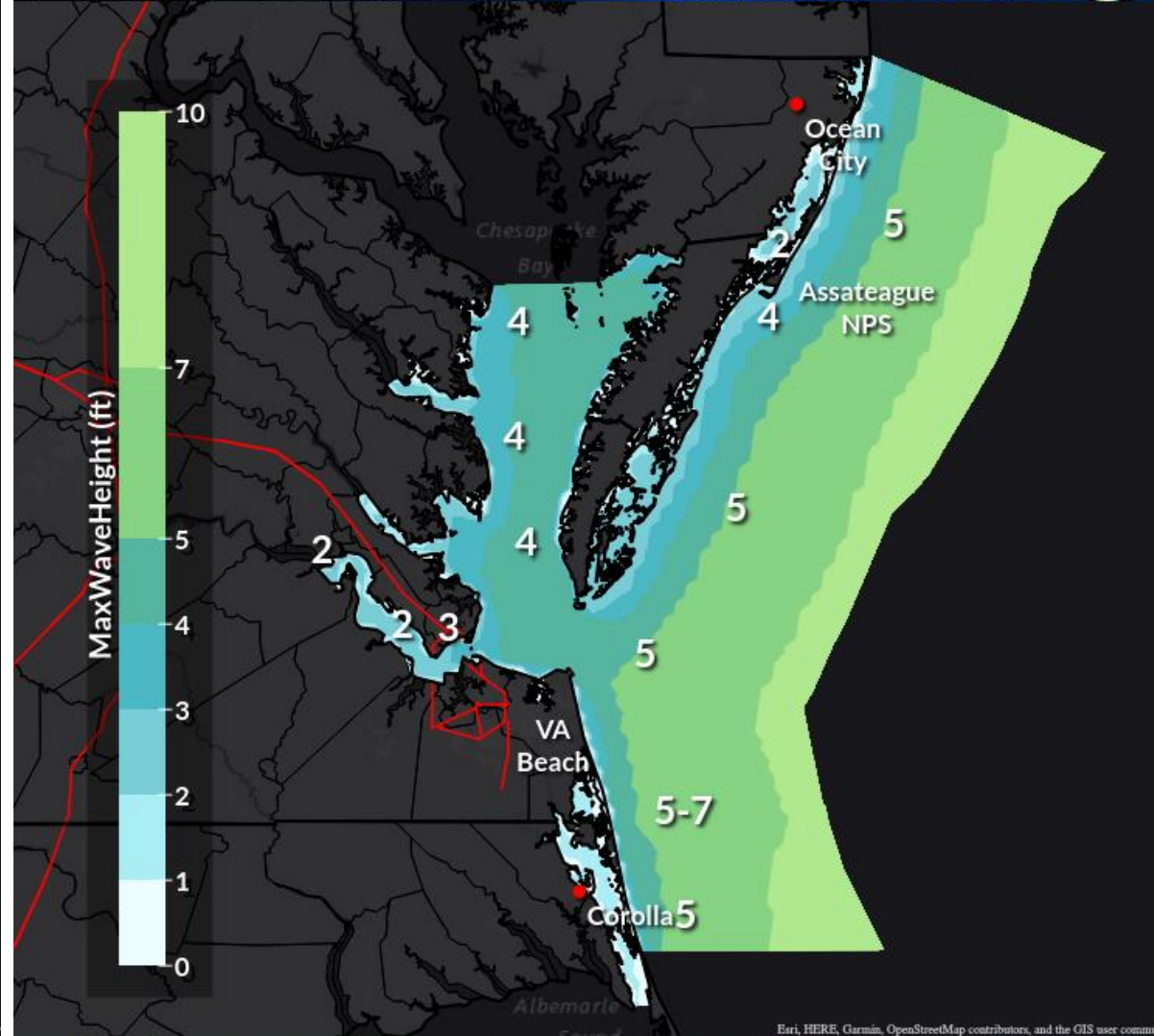
## 0-72 Max Wave Height

Weather Forecast Office  
Wakefield, VA



Valid Fri 7:00AM through Mon 7:00PM EST

Issued Jan 10, 2025 3:40 AM EST



NWSWakefieldVA

weather.gov/akq

## Key Points:

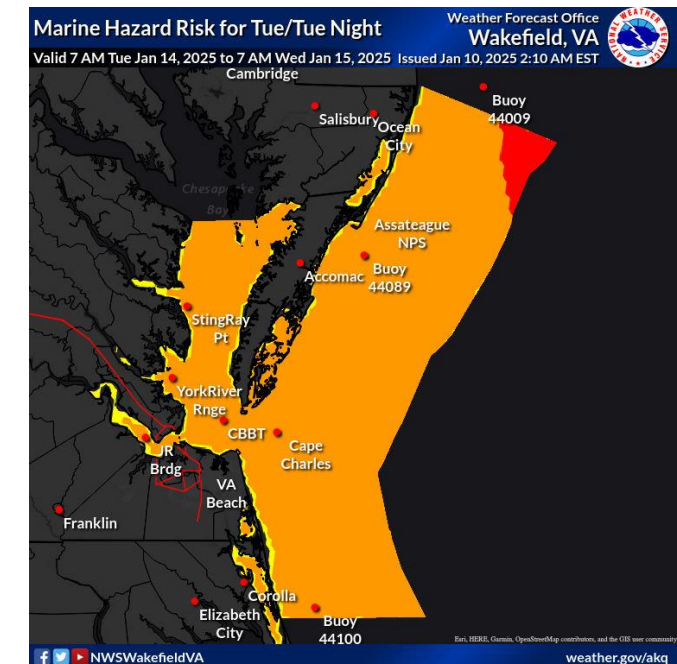
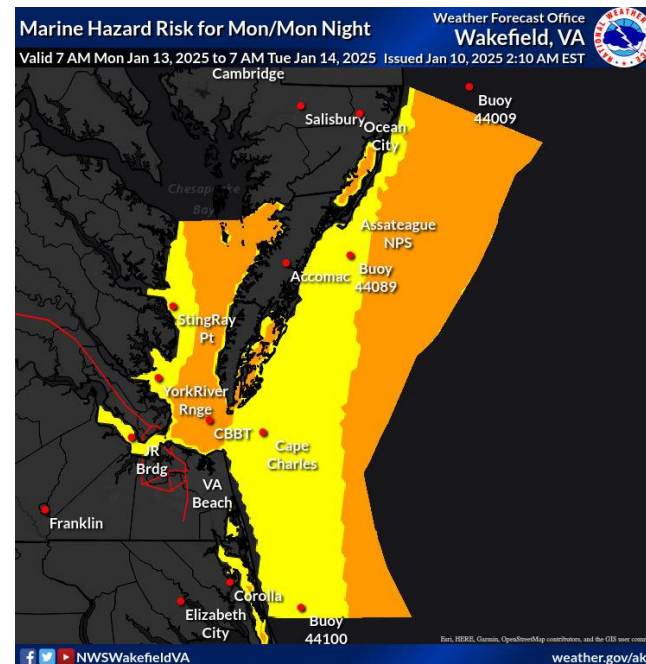
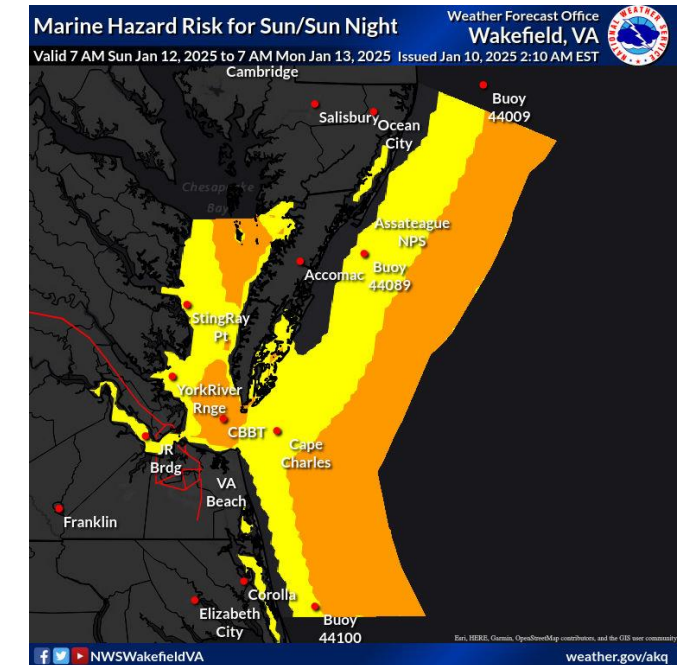
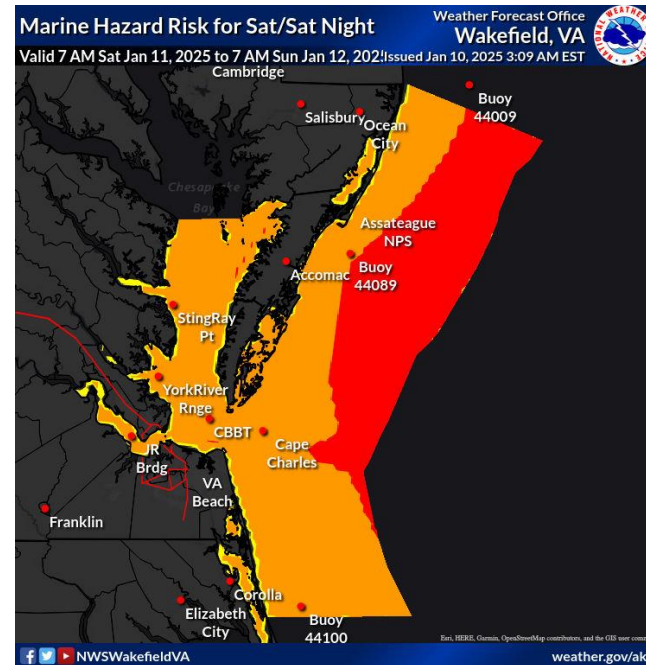
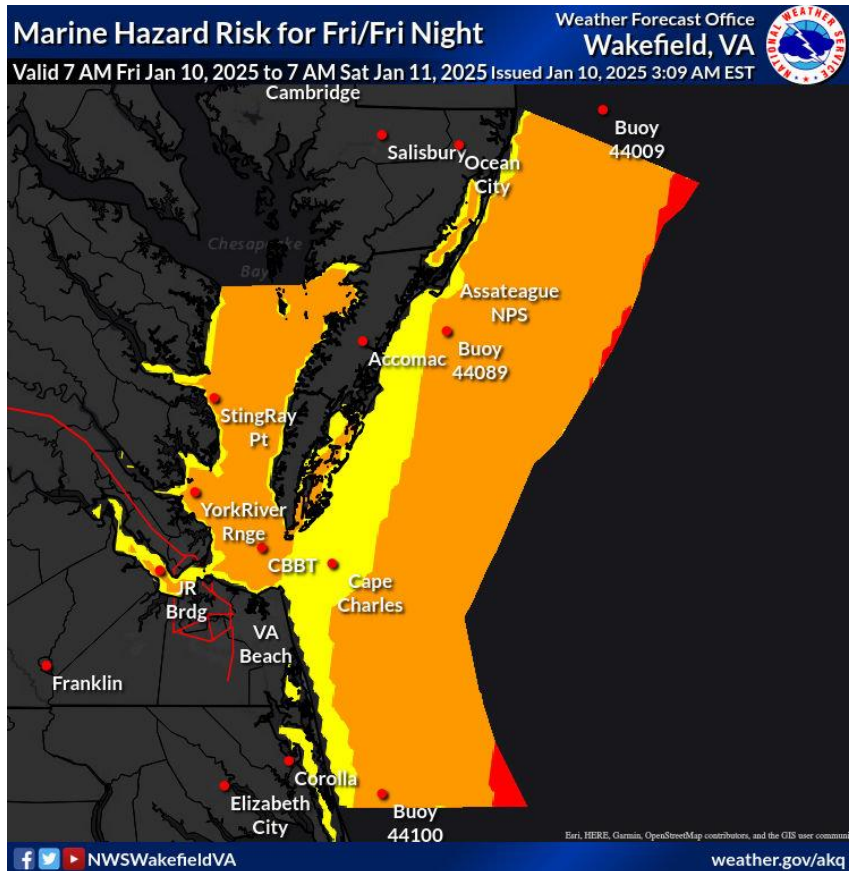
- Small Craft Advisories are in effect for the waters through this morning/afternoon.
- Winds decrease today (and become SSW 10-15 kt tonight).
- Winds increase out of the NW on Saturday (peak winds likely occur Saturday evening). Frequent gusts to 30 kt are expected, with a few gusts to 35 kt possible. Additional SCAs will be needed Sat-Sat night.

For Port specific forecast information visit: [https://www.weather.gov/akq/dss\\_port](https://www.weather.gov/akq/dss_port)



# Marine Threat Potential - Next 5 Days

January 10, 2025  
9:00 AM



<b>Limited</b>	Wind Gusts $\geq$ 20 knots (15 kt Bay & rivers) and/or Waves $\geq$ 4 feet (2 ft Bay & rivers).
<b>Elevated</b>	Wind Gusts $\geq$ 25 knots (20 kt Bay & rivers) and/or Waves $\geq$ 5 feet ( $\geq$ 4 ft Bay & rivers).
<b>Significant</b>	Wind Gusts $\geq$ 34 knots and/or Waves $\geq$ 8 feet ( $\geq$ 5 ft Bay & rivers).
<b>Extreme</b>	Wind Gusts $\geq$ 48 knots and/or Waves $\geq$ 12 feet ( $\geq$ 8 ft Bay & rivers).



National Oceanic and Atmospheric Administration

U.S. Department of Commerce

National Weather Service  
Wakefield, VA

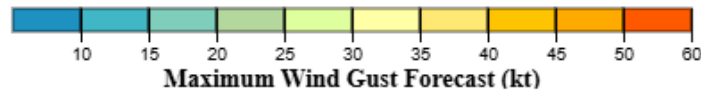


# Marine Forecast Summary

January 10, 2025  
9:00 AM

## Maximum Wind Gust Forecast (kt)

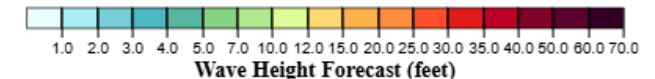
	1/10 Fri					1/11 Sat					1/12 Sun					1/13 Mon						
	9am	12pm	3pm	6pm	9pm	12am	3am	6am	9am	12pm	3pm	6pm	9pm	12am	3am	6am	9am	12pm	3pm	6pm	9pm	12am
CBBT	21	18	14	11	14	14	12	14	21	25	27	30	31	30	27	23	19	15	11	9	11	13
Cape Henry	23	19	14	11	14	14	12	15	23	26	28	31	33	31	28	23	20	16	11	9	10	13
Chesapeake Light	24	20	16	13	15	16	14	17	25	28	30	32	33	31	28	24	20	18	14	11	11	13
Chincoteague Shoal	23	18	16	14	14	16	15	13	20	26	30	32	31	29	26	22	19	15	13	10	10	13
Duck, NC	20	16	11	10	12	12	12	17	23	24	25	26	27	26	24	20	17	14	10	8	8	9
Fenwick Shoal	26	20	17	16	12	12	12	12	17	23	27	27	26	25	22	20	16	13	10	9	9	10
HRBT	19	15	11	10	12	12	11	13	19	22	23	25	27	25	23	19	16	14	11	8	10	12
JRB	18	14	10	9	12	12	10	13	19	22	22	24	26	24	21	18	15	12	9	8	9	11
New Point Comfort	18	14	12	10	14	14	14	13	18	21	24	27	29	27	24	20	17	13	10	9	10	12
Parramore Banks	22	18	16	13	14	15	14	13	20	26	30	32	31	28	25	21	18	15	13	10	10	12
Rappahannock Light	23	18	13	10	13	15	13	13	19	23	26	30	31	29	26	22	18	14	10	9	10	13
Tangier	24	19	14	11	14	16	15	13	20	26	29	33	33	30	27	23	19	15	11	10	13	14
Thimble Shoal	20	16	13	11	14	14	12	13	21	23	26	29	31	29	26	22	18	14	10	9	11	13



Created: 4 am EST Fri 1/10/2025 | Values are maximums over the period beginning at the time shown.

## Wave Height Forecast (feet)

	1/10 Fri		1/11 Sat				1/12 Sun				1/13 Mon
	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	12am
CBBT	3.0	2.0	2.0	3.0	4.0	4.0	4.0	3.0	2.0	2.0	2.0
Cape Henry	3.0	2.0	2.0	3.0	4.0	4.0	4.0	4.0	3.0	2.0	2.0
Chesapeake Light	4.0	3.0	3.0	3.0	5.0	6.0	6.0	5.0	3.0	3.0	2.0
Chincoteague Shoal	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0
Duck, NC	4.0	3.0	3.0	3.0	3.0	4.0	4.0	4.0	3.0	2.0	2.0
Fenwick Shoal	4.0	3.0	2.0	2.0	3.0	4.0	4.0	4.0	3.0	2.0	2.0
HRBT	2.0	1.0	1.0	2.0	3.0	3.0	3.0	2.0	2.0	1.0	1.0
JRB	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0
New Point Comfort	2.0	1.0	1.0	2.0	3.0	3.0	3.0	2.0	1.0	1.0	1.0
Parramore Banks	2.0	2.0	2.0	2.0	3.0	4.0	4.0	3.0	2.0	2.0	2.0
Rappahannock Light	2.0	2.0	2.0	2.0	4.0	4.0	4.0	3.0	2.0	1.0	1.0
Tangier	2.0	2.0	2.0	2.0	4.0	4.0	4.0	3.0	2.0	1.0	1.0
Thimble Shoal	2.0	1.0	1.0	2.0	4.0	4.0	4.0	3.0	2.0	1.0	1.0



Created: 4 am EST Fri 1/10/2025 | Values are maximums over the period beginning at the time shown.

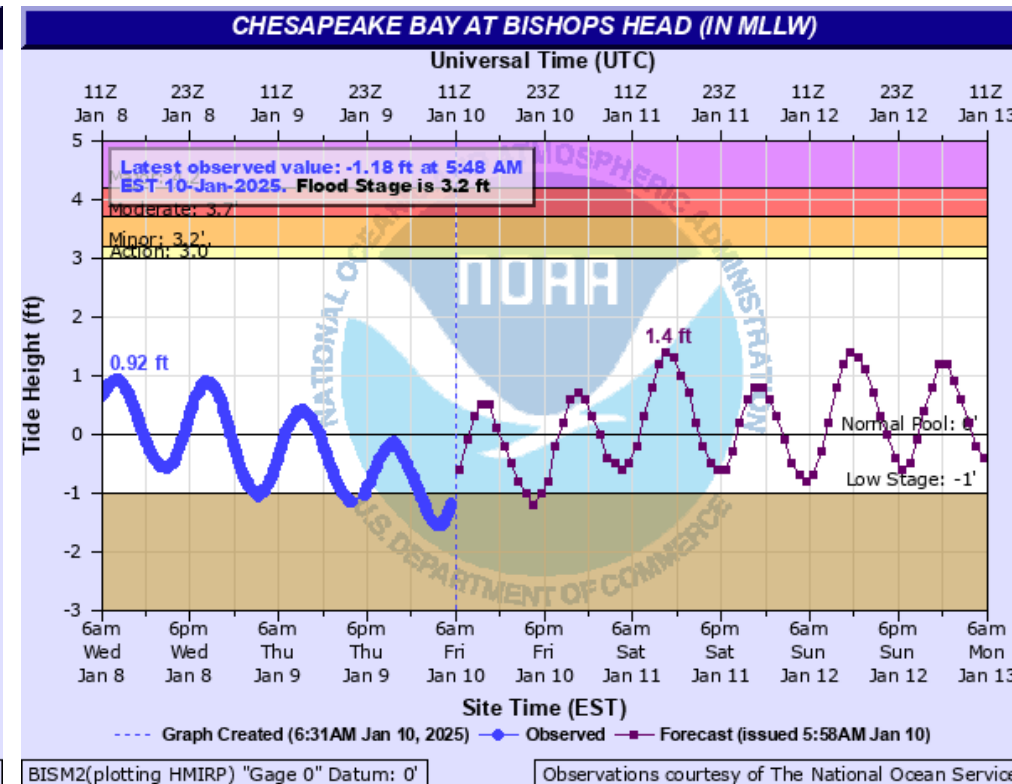
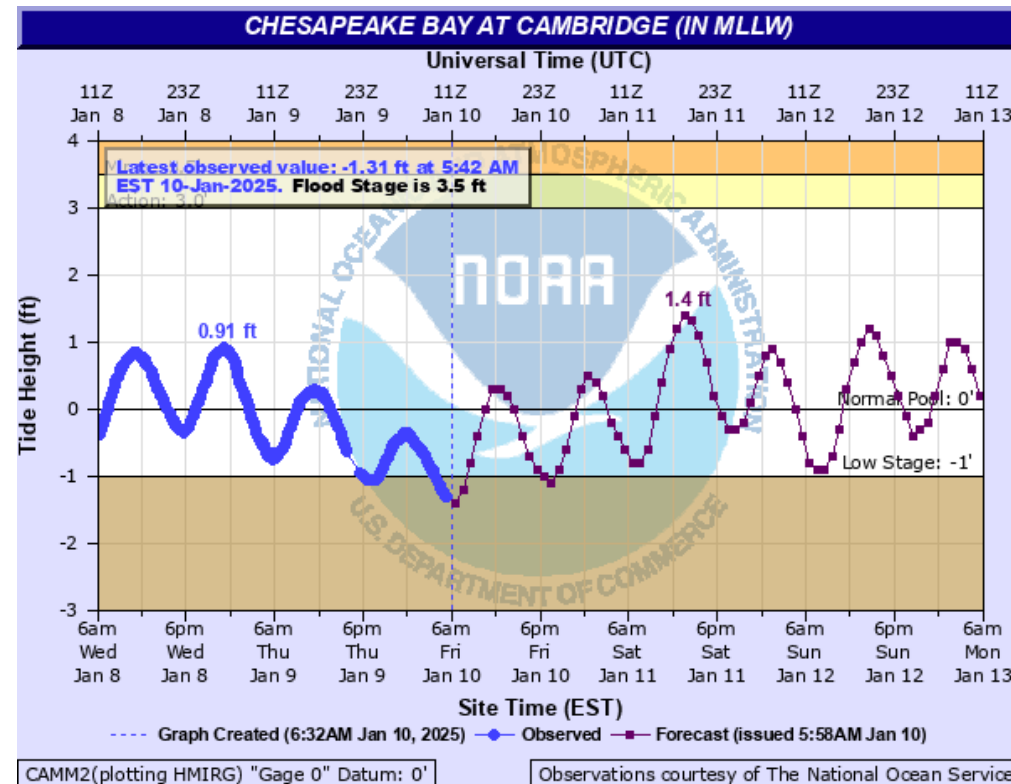
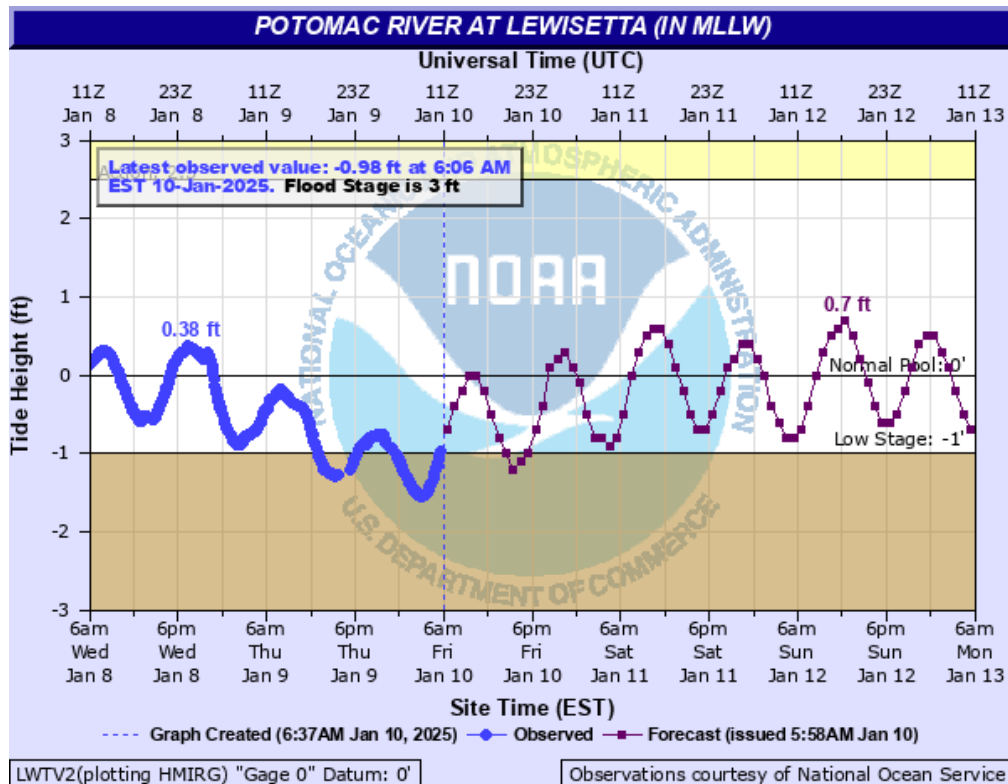




# Tidal Overview - Upper Bay

January 10, 2025  
9:00 AM

Note: All forecasts reference Mean Lower Low Water (MLLW).



## Summary of Tidal Trends

- Low water conditions are expected to gradually improve during the next few days.
- Advisories are in effect for parts of the area today, and additional advisories may be needed into Saturday morning.
- The area of greatest concern is the mid/upper Chesapeake Bay, eastern VA Rivers, and Currituck Sound.

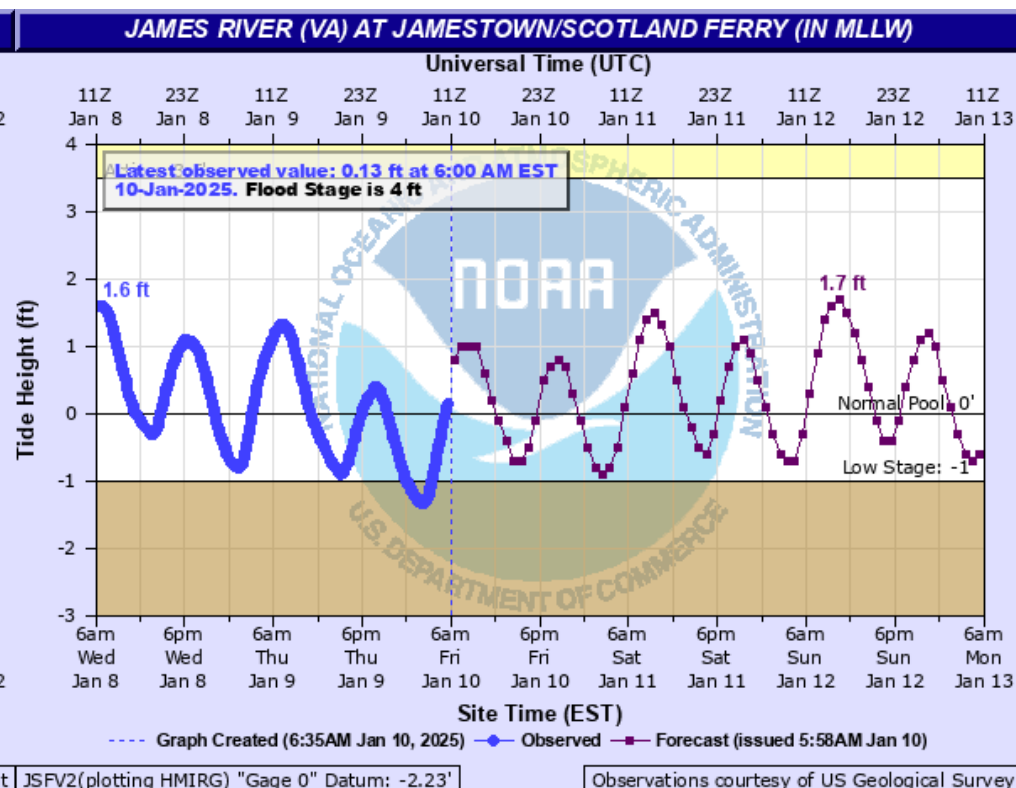
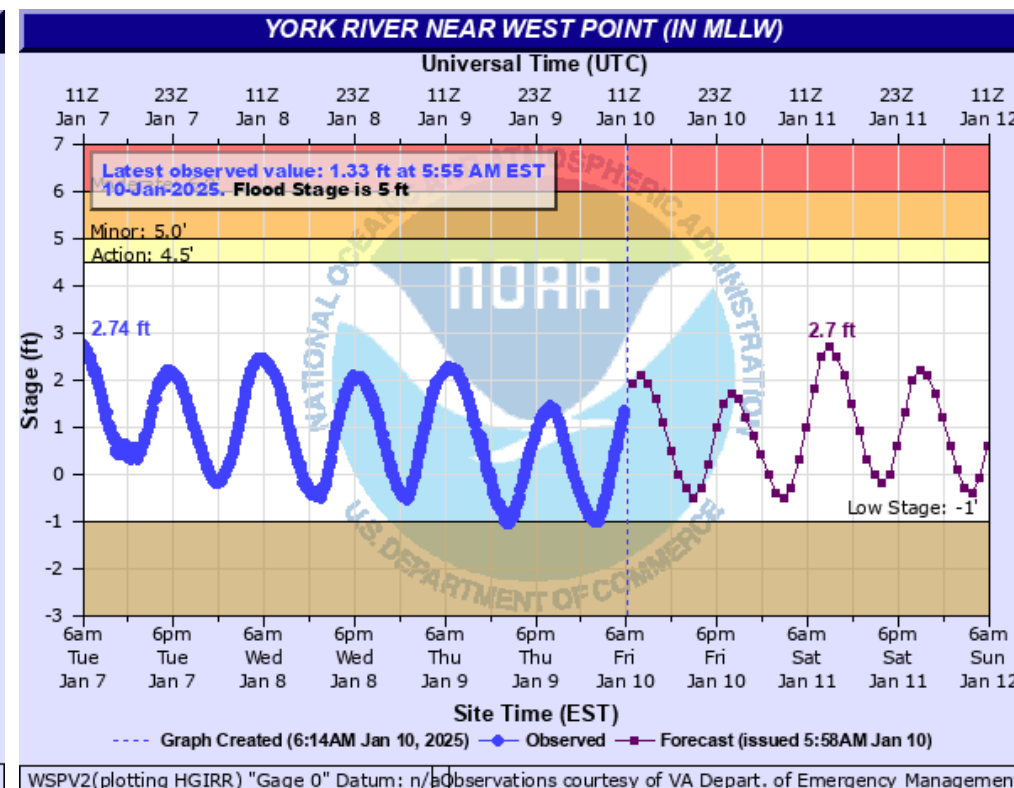
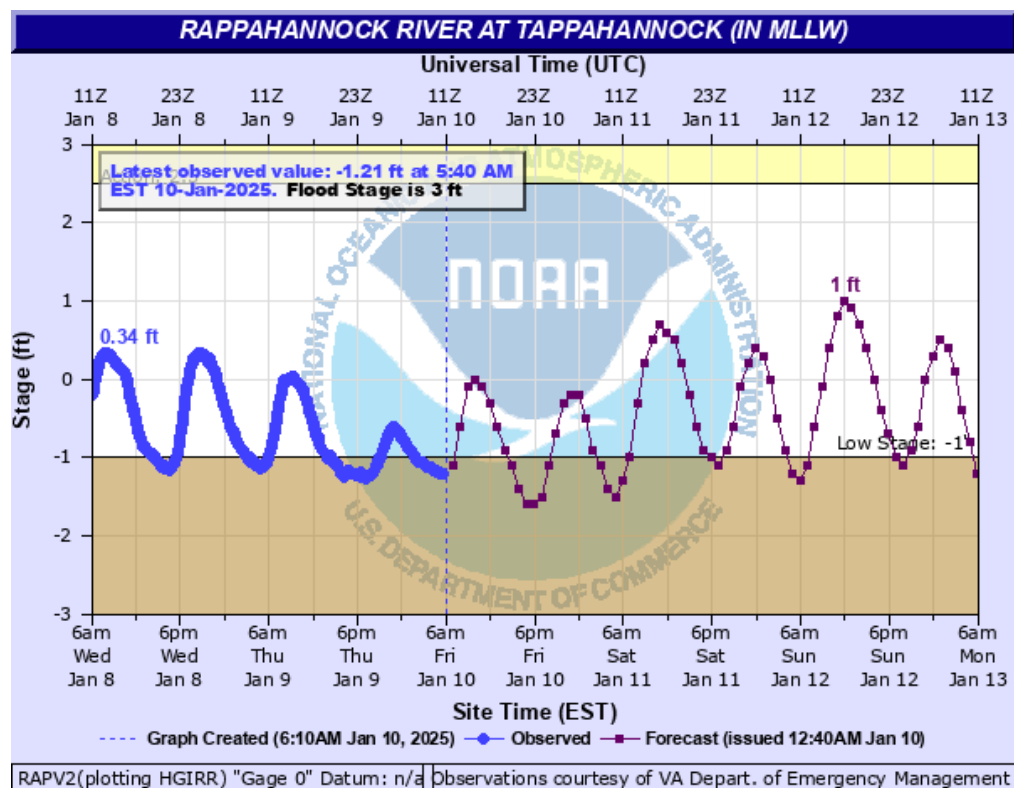
[Coastal Flood Webpage](#)



# Tidal Overview - Eastern VA Rivers

January 10, 2025  
9:00 AM

Note: All forecasts reference Mean Lower Low Water (MLLW).



## Summary of Tidal Trends

- Low water conditions are expected to gradually improve during the next few days.
- Advisories are in effect for parts of the area today, and additional advisories may be needed into Saturday morning.
- The area of greatest concern is the mid/upper Chesapeake Bay, eastern VA Rivers, and Currituck Sound.

[Coastal Flood Webpage](#)





# Contact and Next Briefing Information

January 10, 2025  
9:00 AM

For NWS Wakefield, Virginia



## Briefing Webpage

→ [NWS Wakefield Briefing](#)



## Next Briefing

→ By 5:00 PM, January 10, 2025  
→ Method: Email



## Disclaimer

→ Information contained in this briefing is time-sensitive  
→ See [www.weather.gov/akq](http://www.weather.gov/akq) for the latest information



## Contact Information

### Web

→ [weather.gov/wakefield](http://weather.gov/wakefield)

### Phone

→ (757) 899-4200

### Email

→ [akq-report@noaa.gov](mailto:akq-report@noaa.gov)

### Facebook

→ [www.facebook.com/NWSWakefieldVA](http://www.facebook.com/NWSWakefieldVA)

### Twitter

→ [@NWSWakefieldVA](https://twitter.com/NWSWakefieldVA)

