



# Winter Storm Briefing #3

January 4, 2025

5:02 AM

Prepared by National Weather Service Wakefield, VA

## Winter Storm Briefing

- Covering the period Saturday through Friday  
January 4-10, 2025
- **NEXT UPDATE Saturday by 5 PM addressing the  
winter weather event**

## Disclaimer:

- This briefing represents forecast weather and potential threats for the upcoming winter event based on the date and time of issuance.
- Always consult [weather.gov/wakefield](https://www.weather.gov/wakefield) for the latest information.





- **Winter Storm Watches are in effect for much of central VA and the Eastern Shore.**
- **Good confidence for an impactful winter event with significant snow, sleet and freezing rain Sunday evening through Monday and now into Monday night.**
- **Forecasts have trended colder resulting in a little more forecast snow. However given the wintry mix Monday afternoon, exact amounts are uncertain. Snow, sleet and freezing rain will be significant enough to impact travel across a broad area of central VA, northern VA and Eastern Shore. Travel impacts will occur Sunday night into Monday morning and persist into Monday night and Tuesday morning.**
- **A second round of snow is expected late Monday afternoon and evening as the storm system moves offshore and cold air returns. This will result in some additional snow accumulation Monday evening and night.**
- **Bitterly cold temperatures are expected next week following the winter event with daytime highs potentially remaining near freezing for a portion of next week.**
- **Marine Weather** - Gale Warnings are in effect for today for the coastal waters and wind will gradually decrease later today, but Small Craft Advisory conditions will persist. **Gale conditions return for all waters Monday night into Tuesday as the storm system moves offshore and strengthens.**





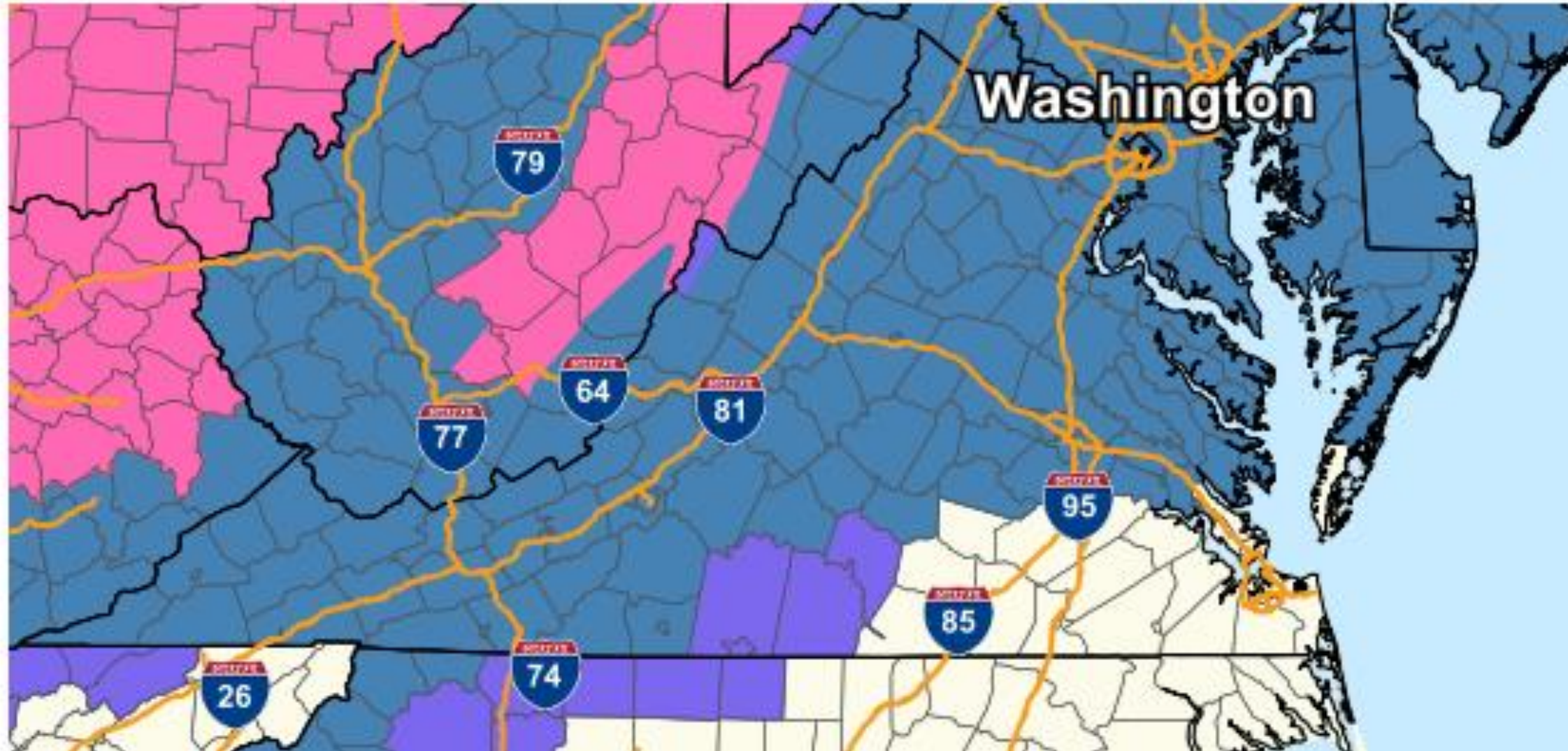
# State Winter Hazards Overview

January 4, 2025  
5:02 AM



## Winter Watches Warnings and Advisories

- Winter Storm Warning
- Winter Weather Advisory
- Winter Storm Watch



Graphic Created  
January 4th, 2025  
4:51 AM EST

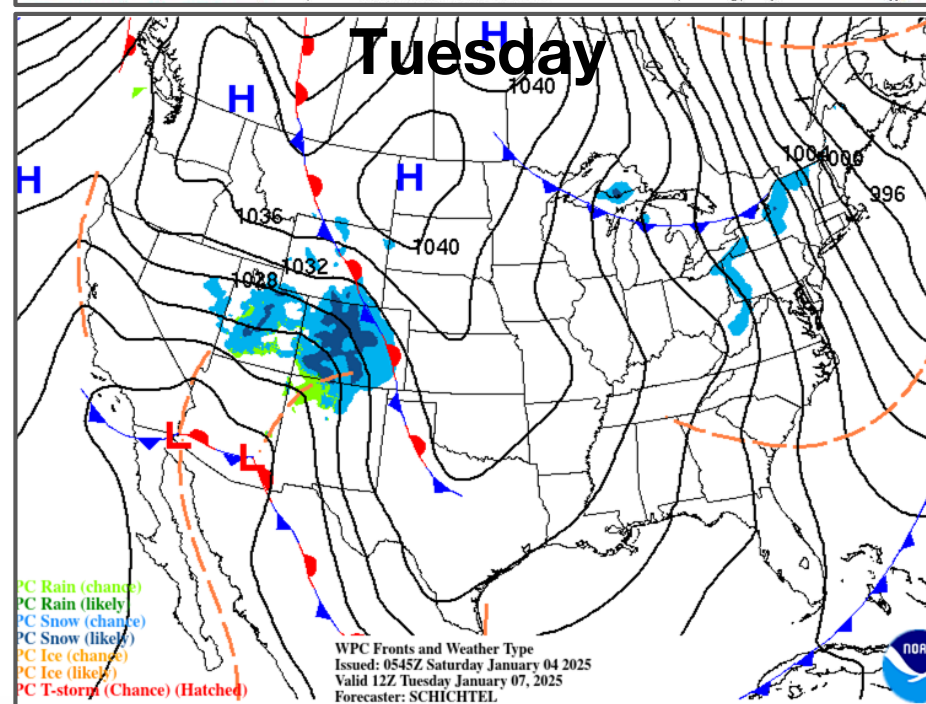
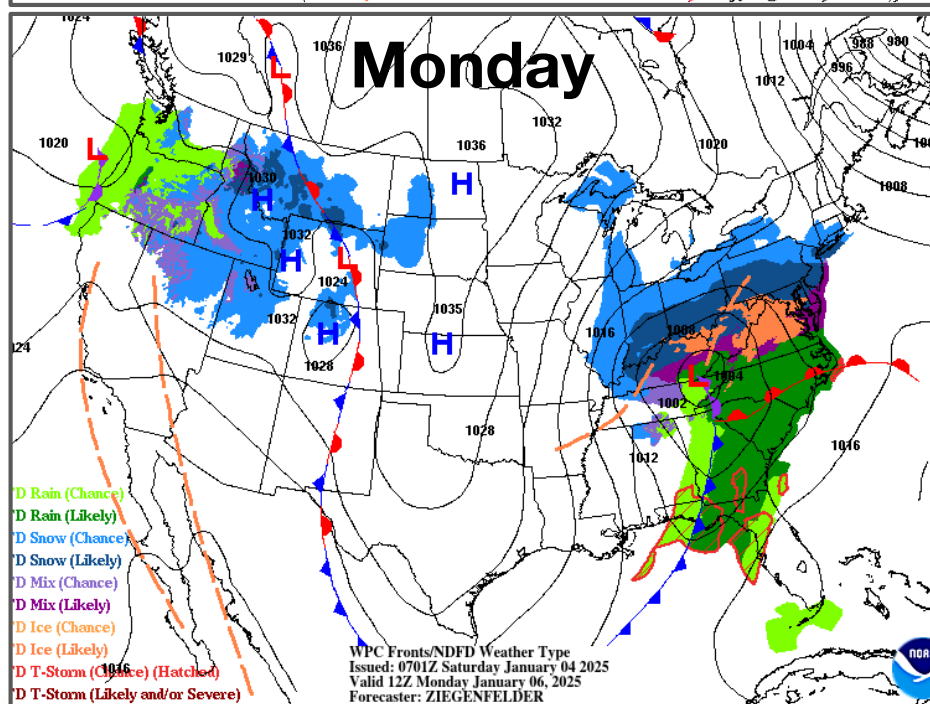
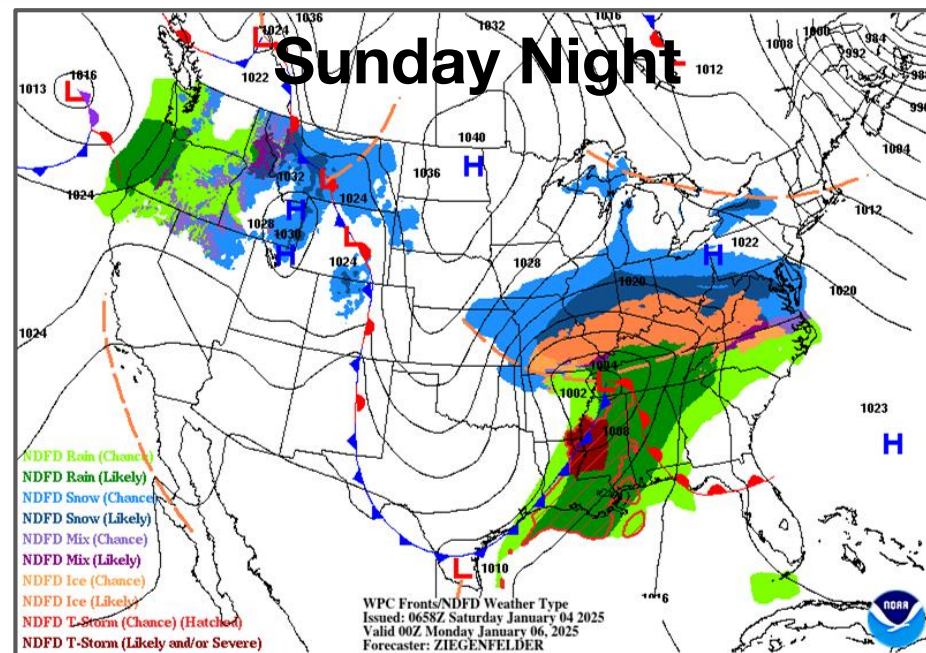
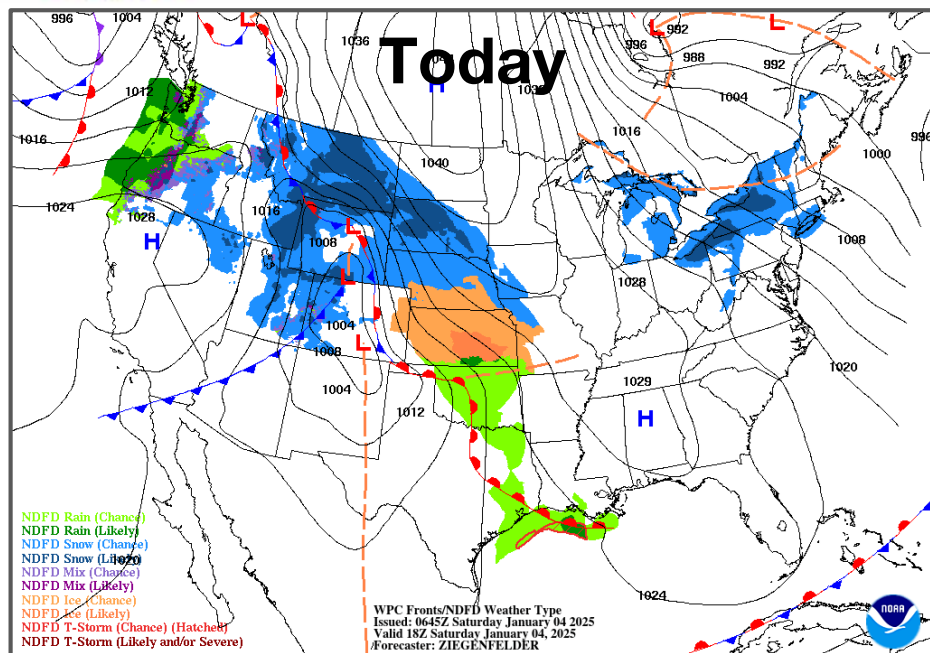






# This Week's Weather Pattern

January 4, 2025  
5:02 AM



## Key Points:

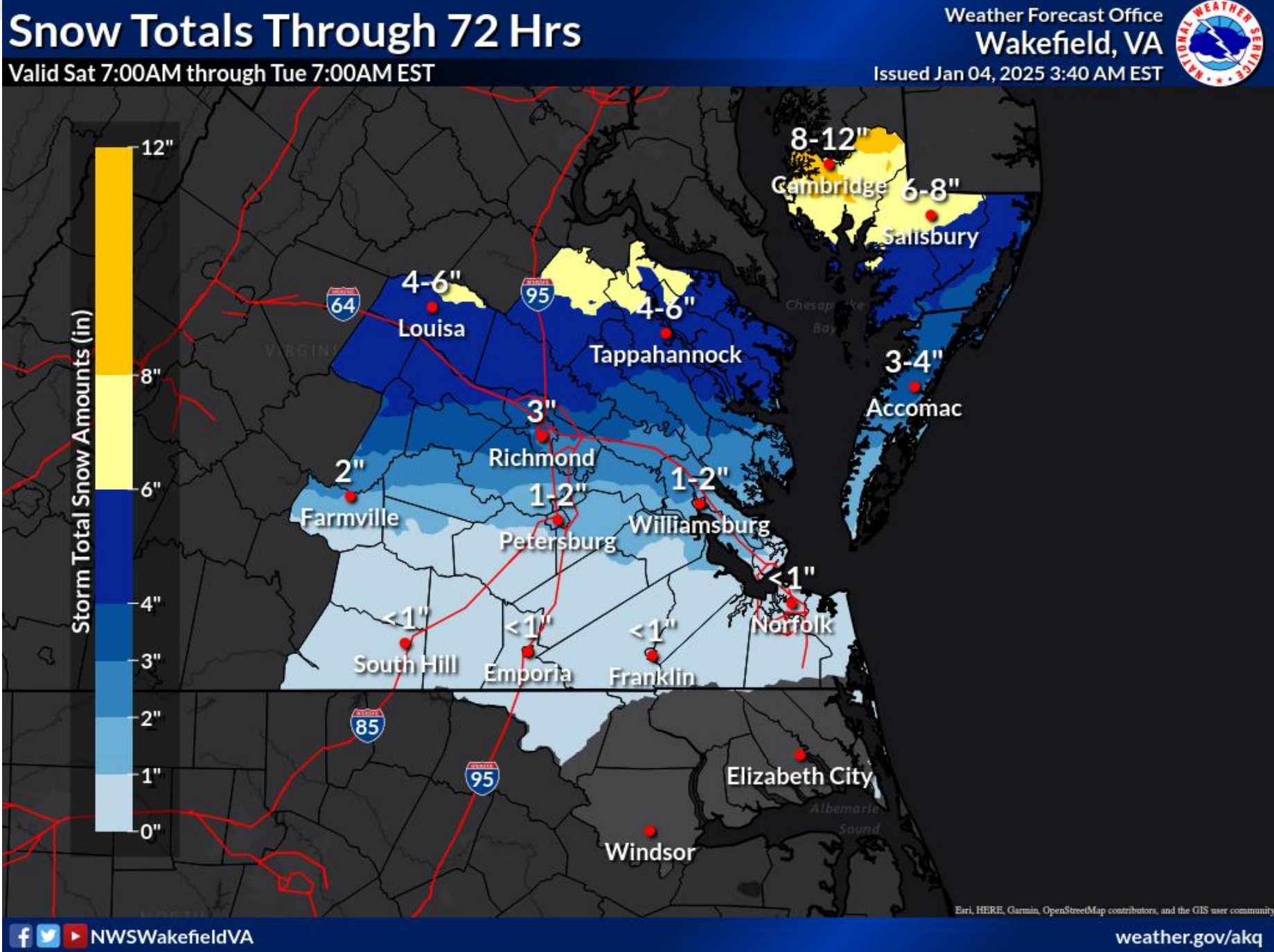
- A storm system will approach the region from the southwest tracking east across the mid Atlantic.
- This system will bring snow Sunday evening and overnight changing to a wintry mix during the day Monday.
- A second round of snow is likely Monday evening/night as the system moves offshore and cold air returns.
- Temperatures will plunge next week following the storm as Arctic air surges south.





# Snow Forecast Through Mon Night

January 4, 2025  
5:02 AM



- **Hazards:** Significant snow accumulation is likely across central VA and the Eastern Shore. Snow Sun night / Mon morning will chance to a wintry mix in the afternoon. Confidence in exact snow amounts is uncertain. *Forecast will change so please keep up with the late information.*
- **Timing:** Snow moves in from the west Sunday evening and persists into Monday morning. Quick accumulations are expected during this time. A wintry mix is forecast Mon during the day followed by a second round of snow Monday evening.
- **Impacts to travel are expected across much of the area Monday morning and Monday night.**
- **Refreezing of road surfaces is expected Monday night into Tuesday morning.**





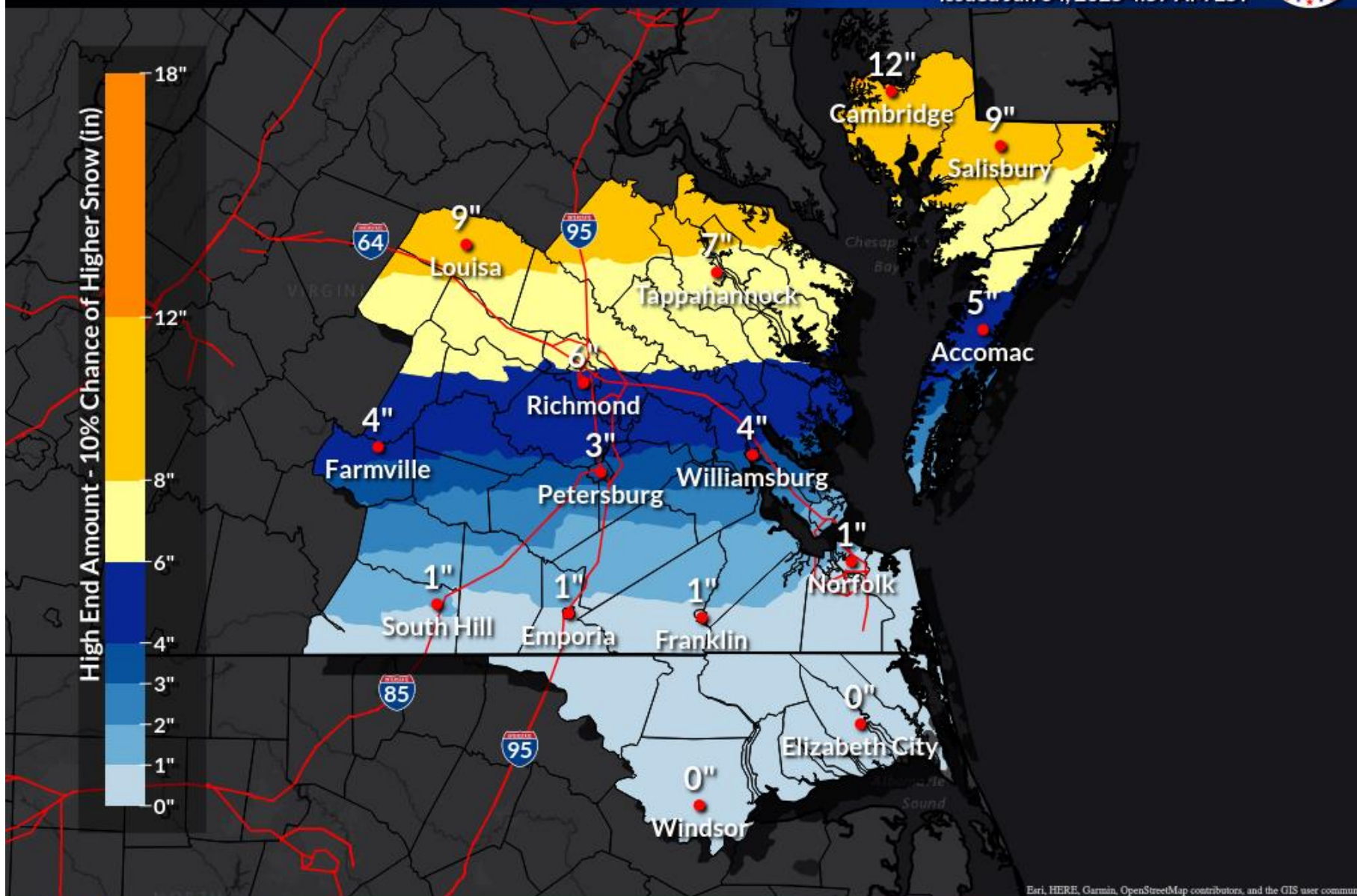
# High End Snow Amount Potential

January 4, 2025  
5:02 AM

High End Amount 1 in 10 Chance (10%) of Higher Snowfall

Weather Forecast Office  
Wakefield, VA

Issued Jan 04, 2025 4:57 AM EST



- Worst case potential snowfall (1 in 10 chance) should snow last longer and temperatures remain colder. This is useful for planning purposes in case forecast snow totals increase. Forecast snow may increase with later updates.
- This represents a worst case scenario for planning purposes, or a 10% chance of exceeding these amounts.

NWSWakefieldVA

weather.gov/akq





# Expected Ice Forecast

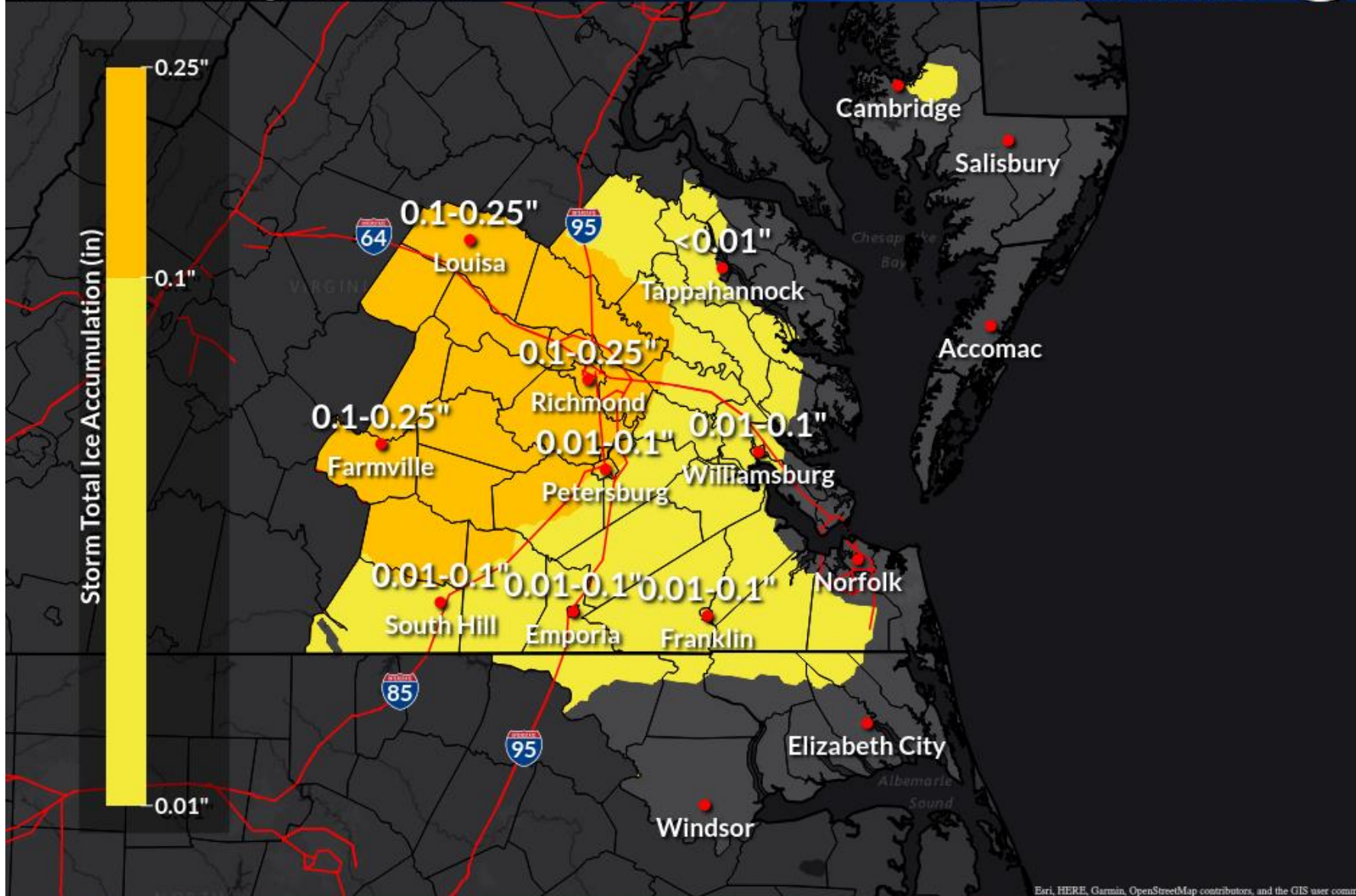
January 4, 2025  
5:02 AM

## Ice Totals Through 72 Hrs

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

Weather Forecast Office  
Wakefield, VA

Issued Jan 04, 2025 3:40 AM EST



**Hazard:** Snow mixing with sleet and freezing rain accumulating on elevated surfaces.

**Timing:** Snow will change to a wintry mix later Monday morning and afternoon.

**Impacts:** Ice accumulations could result in some power outages and down trees.

*The exact amount of ice and the northern extent of ice from freezing rain remains uncertain. Please keep up with the latest forecasts.*

f t NWSWakefieldVA

weather.gov/akq



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

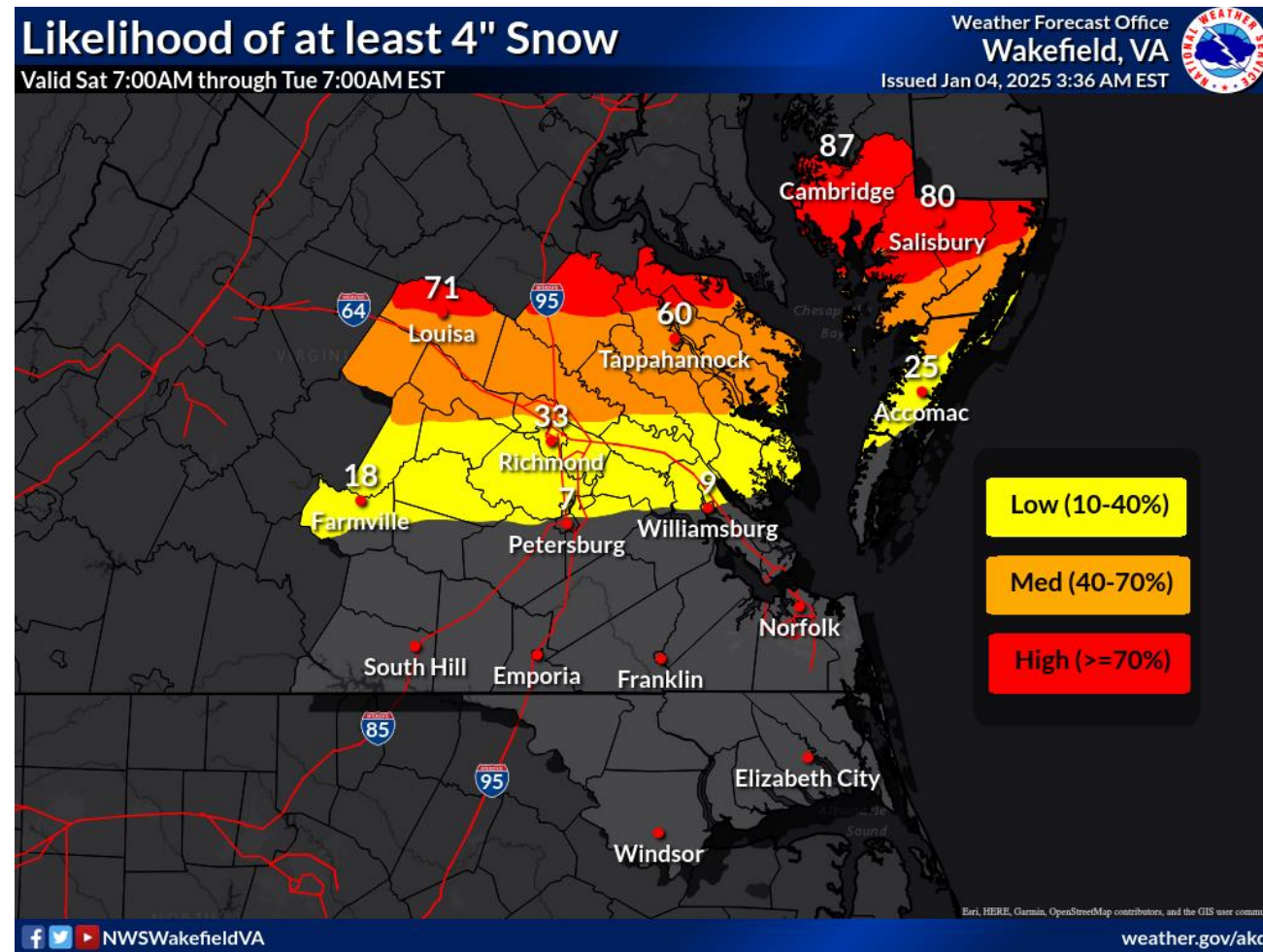
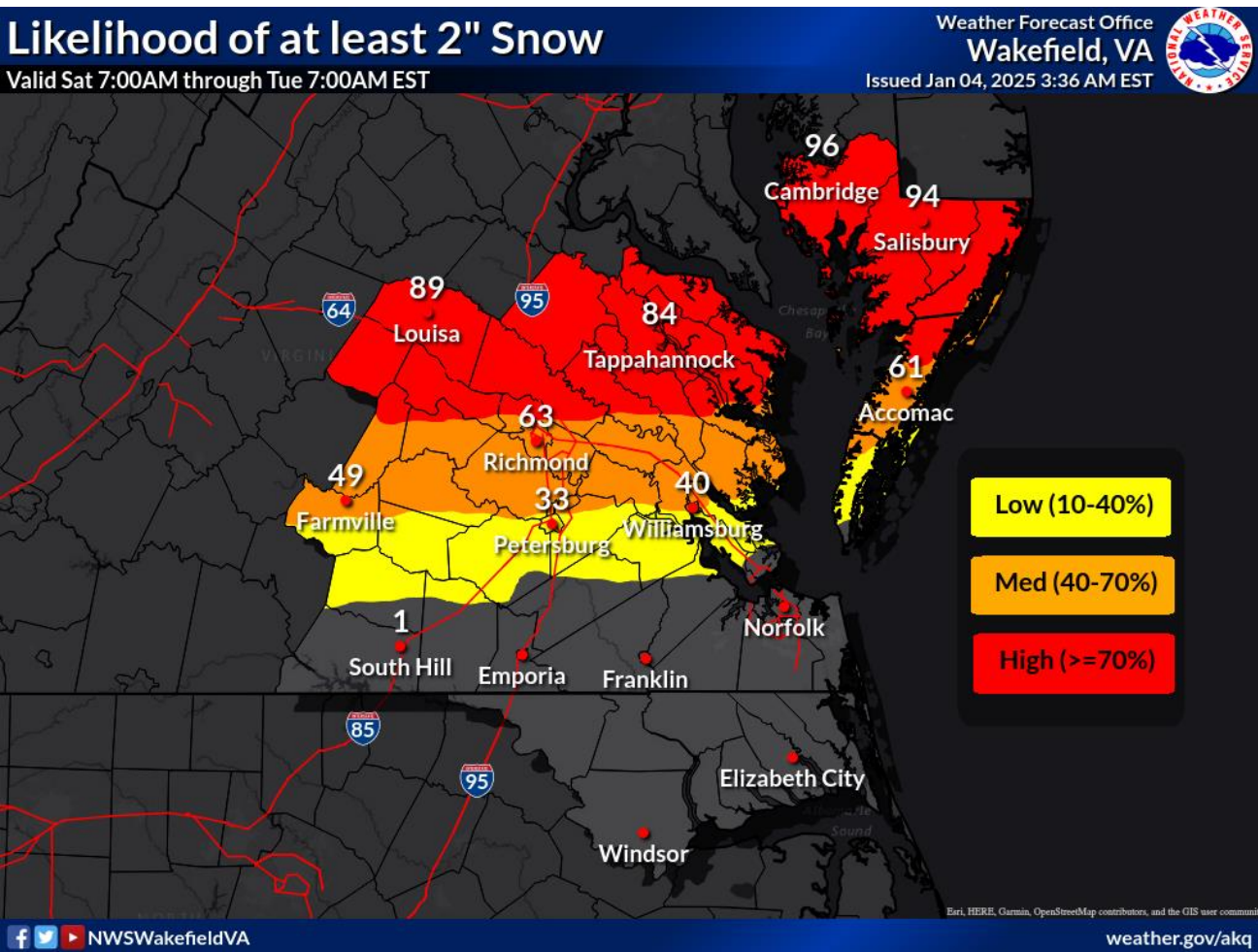
National Weather Service  
Wakefield, VA





# Snow Accumulation Potential - 2" and 4"

January 4, 2025  
5:02 AM



**LOW** - There is a small chance of experiencing this much snow. Persons who may experience impacts based on this snow amount may want to prepare in case it does occur.

**MEDIUM** - Locations will likely experience this much snow. Persons should prepare for impacts from this amount of snow. In addition some locations may experience snow accumulations above this amount.

**HIGH** - There is a near certain probability of experiencing this much snow. Persons should prepare for impacts from at least this amount of snow and will likely see accumulations above this threshold.

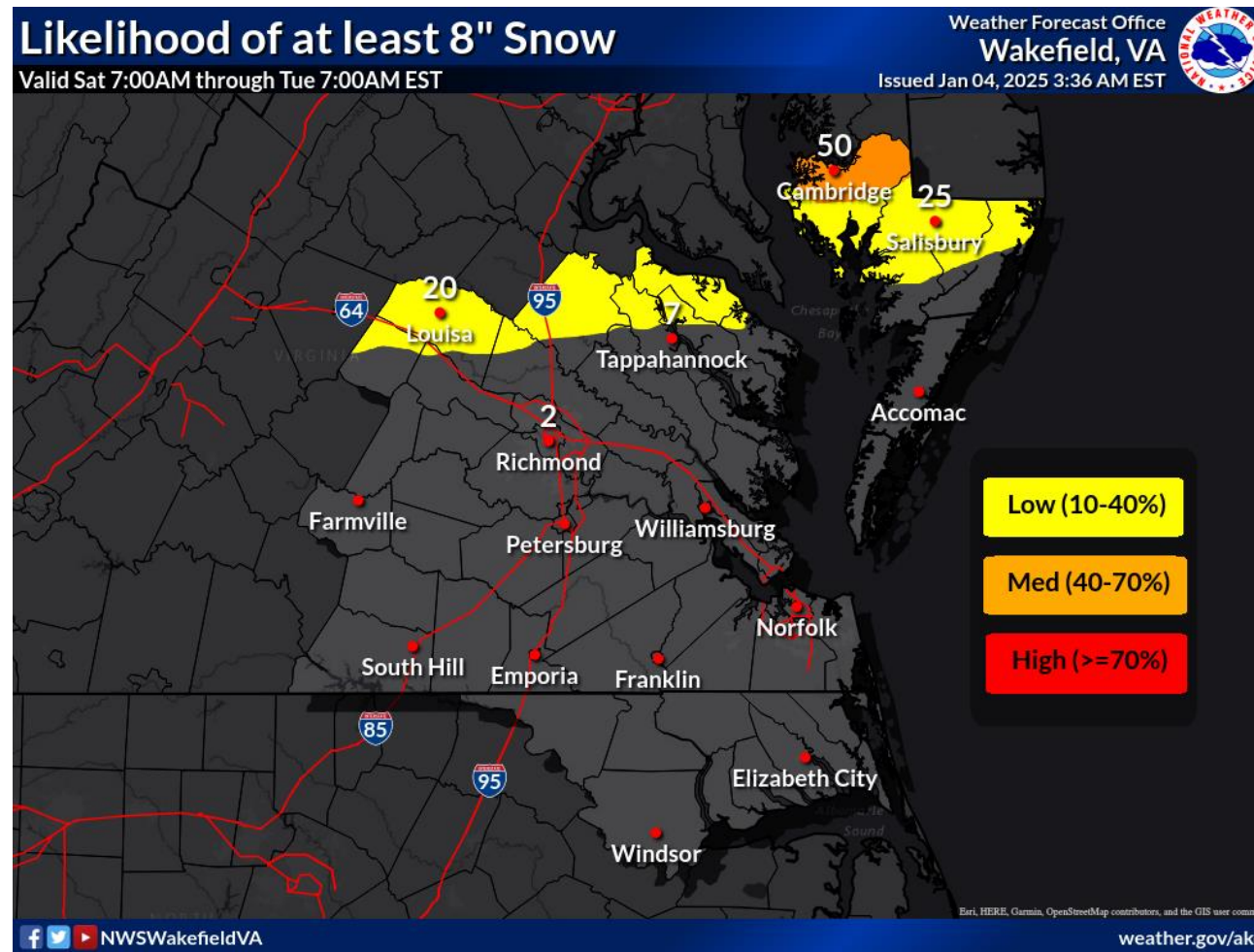
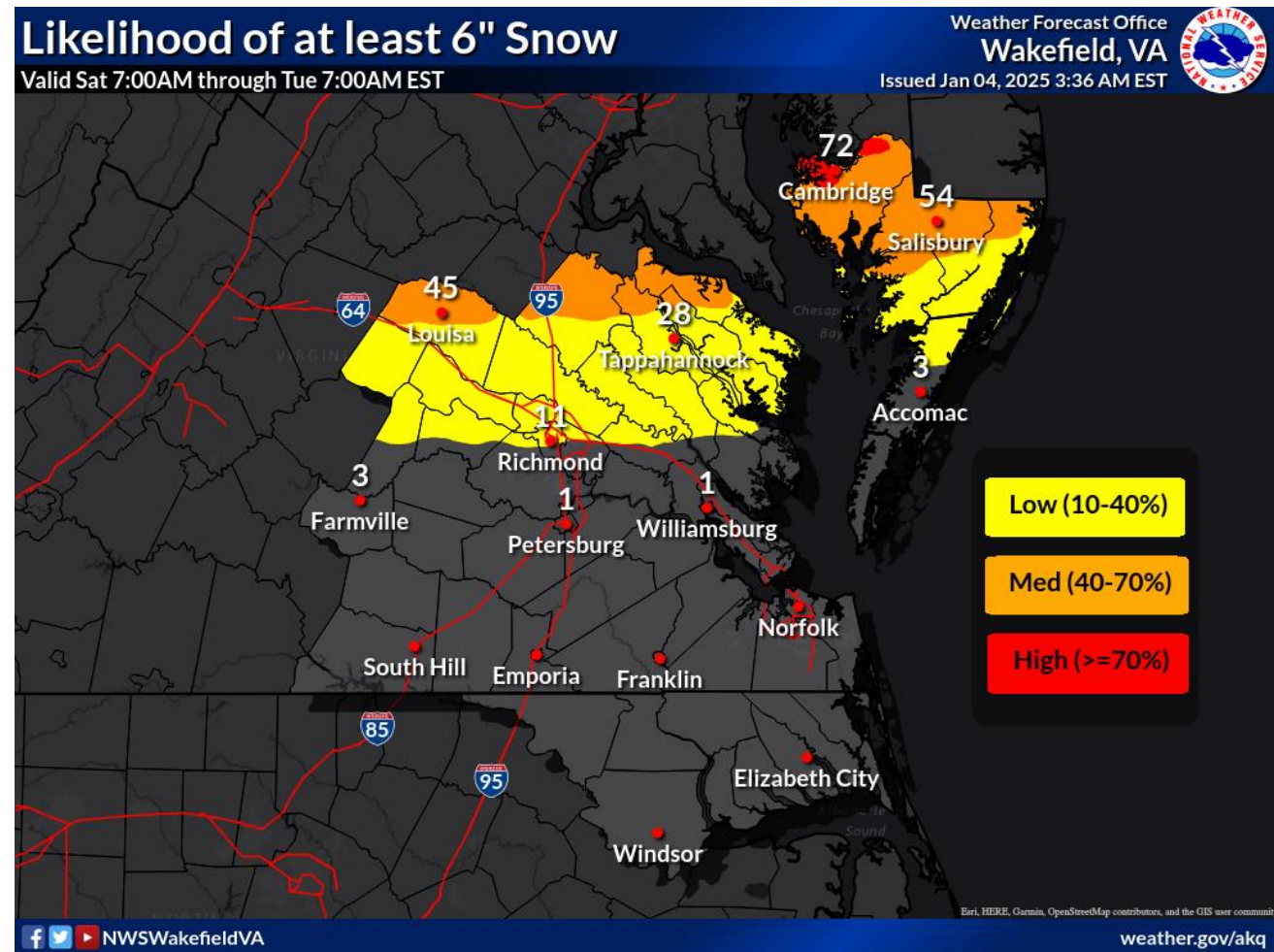
The probability of significant snowfall Sunday night through Monday night has increased. The images above show the probability of at least 2 and 4 inches of snowfall. More snowfall is expected north of Farmville, Richmond and Accomac.





# Snow Accumulation Potential - 6" and 8"

January 4, 2025  
5:02 AM



**LOW** - There is a small chance of experiencing this much snow. Persons who may experience impacts based on this snow amount may want to prepare in case it does occur.

**MEDIUM** - Locations will likely experience this much snow. Persons should prepare for impacts from this amount of snow. In addition some locations may experience snow accumulations above this amount.

**HIGH** - There is a near certain probability of experiencing this much snow. Persons should prepare for impacts from at least this amount of snow and will likely see accumulations above this threshold.

There is the probability of up to 6 to 8 inches of snow in the far northern portions of the forecast area to include locations from Louisa to Colonial beach and Cambridge.

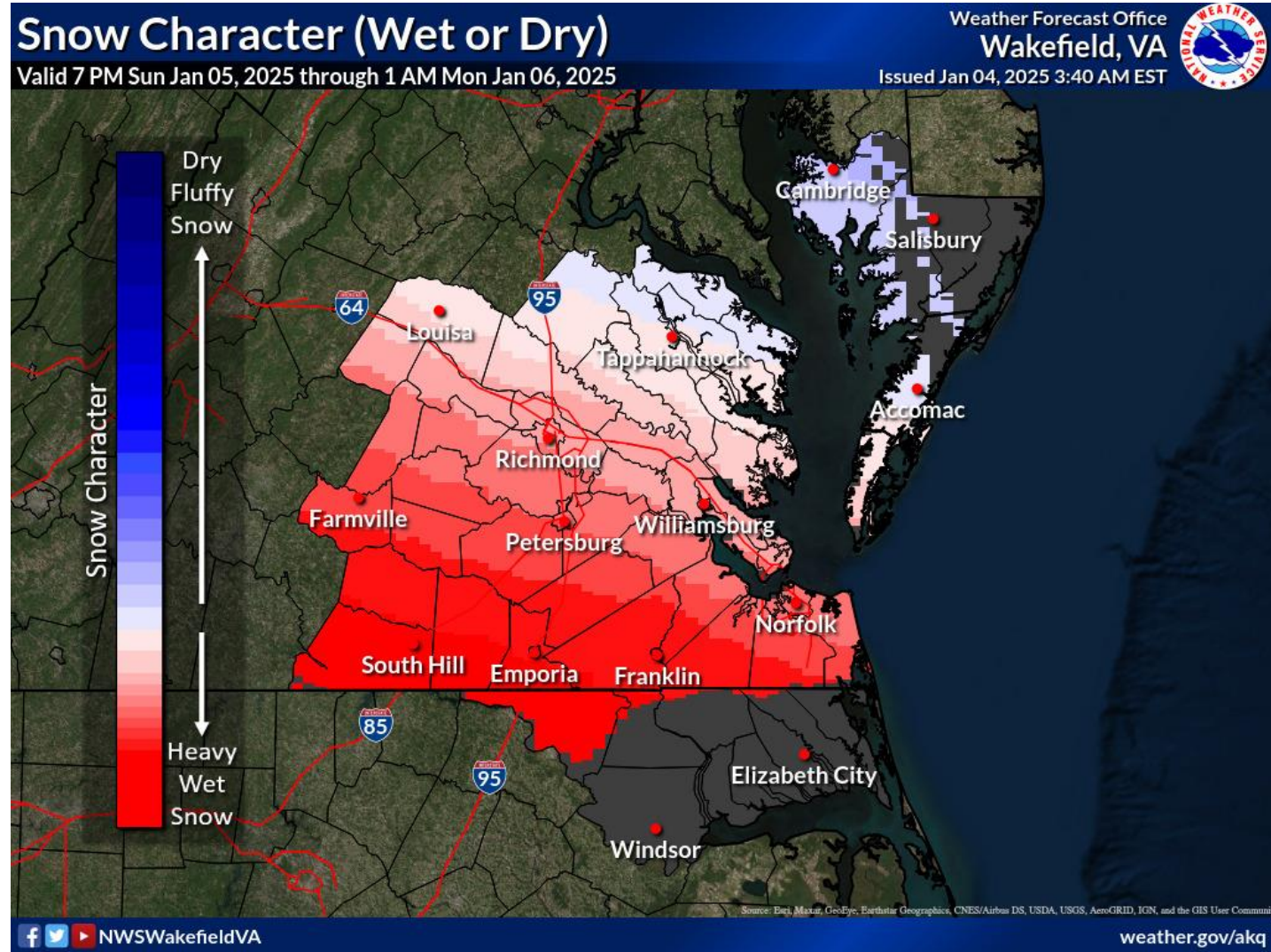




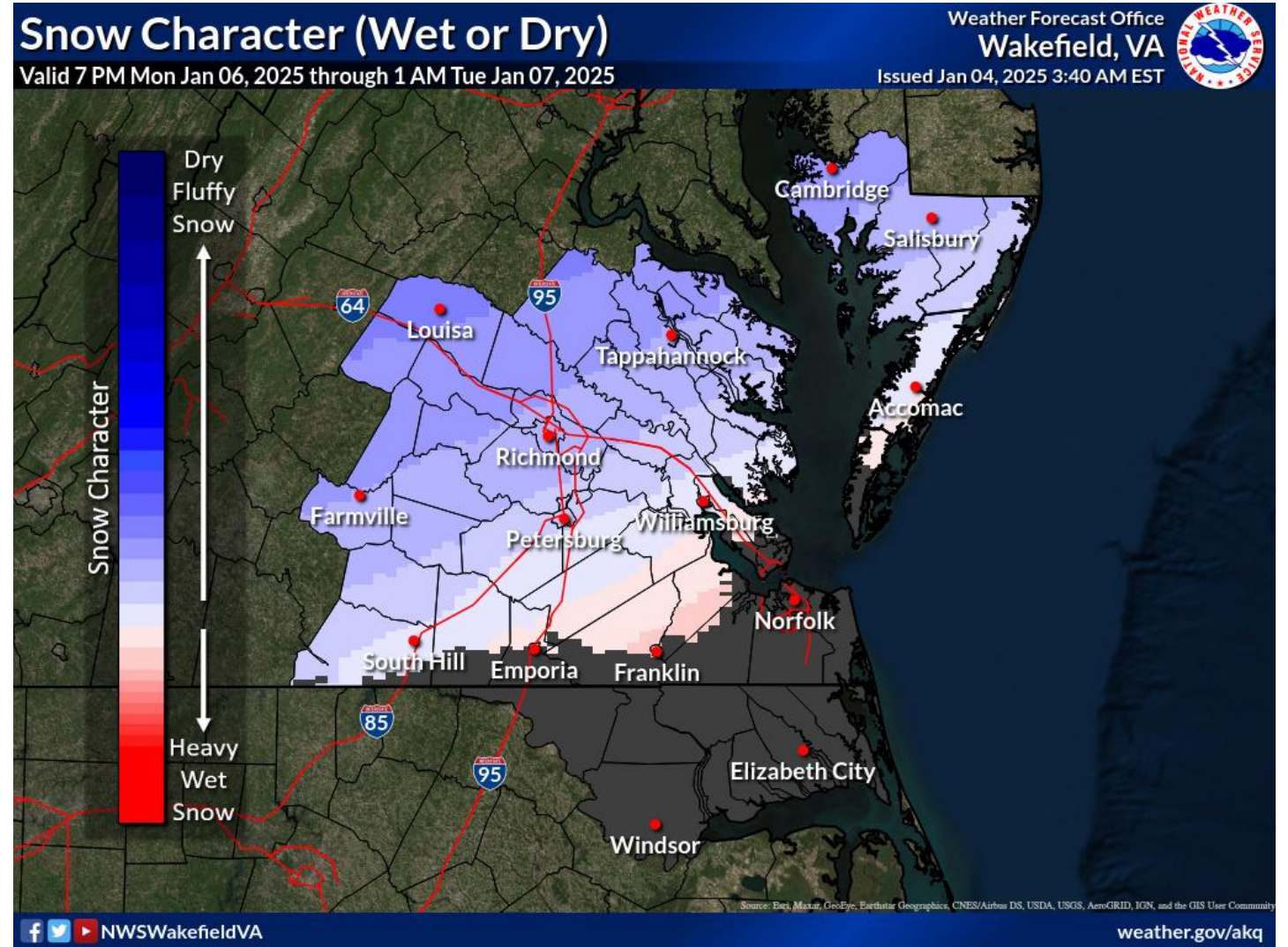
# Snow Type (Character)

January 4, 2025  
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### Sunday night / Monday Morning

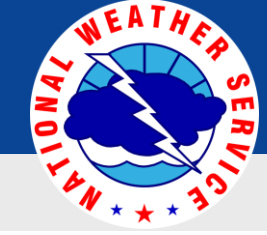


### Monday Evening / Night



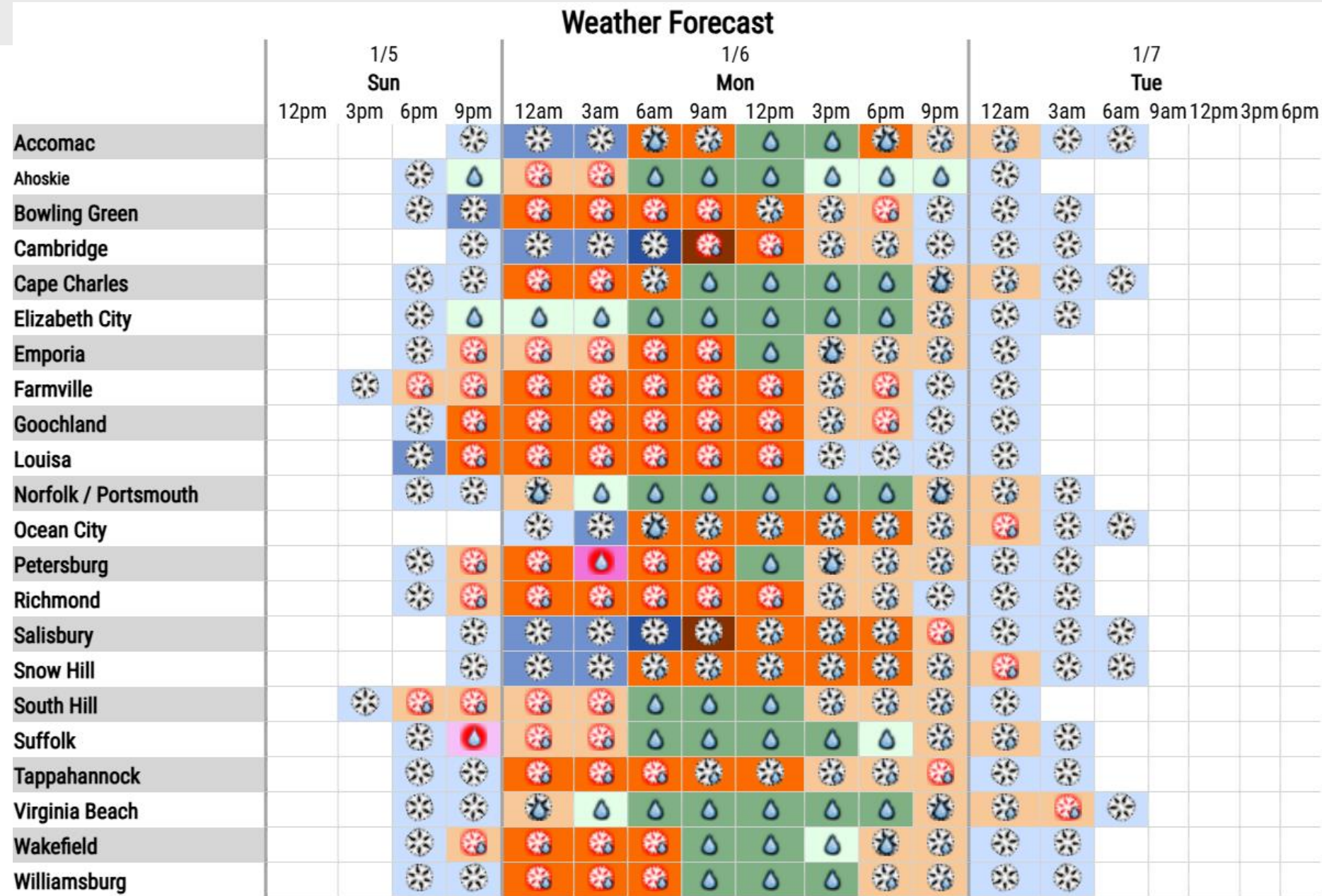
A wetter snow is expected across central VA Sunday night and Monday morning with drier snow over northern VA and MD Eastern Shore. When snow return Monday evening it will be of a drier variety.





# Winter Precipitation Timing

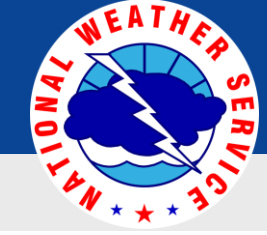
January 4, 2025  
5:02 AM



\*Created: 3 am EST Sat 1/4/2025. Shows most impactful weather for the period beginning at the time shown. Weather symbols display where Probability of Precipitation ≥ 0%.

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





# 3 Hourly Temperature Forecast

January 4, 2025  
5:02 AM

## Temperature Forecast

	1/4 Sat				1/5 Sun				1/6 Mon				1/7 Tue															
	12pm	3pm	6pm	9pm	12am	3am	6am	9am	12pm	3pm	6pm	9pm	12am	3am	6am	9pm												
Accomac	33	34	31	29	27	25	25	31	36	36	34	32	31	31	30	35	39	40	38	35	32	29	27	28	33	35	30	27
Ahoskie	35	36	32	28	25	22	21	30	39	42	37	34	32	32	33	37	41	44	41	37	32	28	27	31	36	38	30	25
Bowling Green	32	34	29	25	21	19	17	26	34	37	33	30	29	28	28	30	32	33	30	28	26	23	21	26	32	34	24	19
Cambridge	32	32	30	26	23	22	22	27	32	34	32	30	30	28	27	28	30	32	31	30	28	26	24	27	31	32	28	25
Cape Charles	33	35	35	33	30	28	28	31	35	38	38	37	35	35	36	39	41	43	41	39	36	33	31	32	35	36	32	30
Elizabeth City	35	37	33	29	26	23	22	29	39	42	37	34	33	33	35	40	45	49	45	41	35	31	29	33	36	38	31	27
Emporia	34	36	31	26	23	22	21	30	39	41	36	33	31	31	32	34	36	39	36	33	29	27	25	29	36	38	29	24
Farmville	32	34	29	25	21	20	19	28	37	39	34	31	30	30	30	31	33	34	32	29	26	23	20	26	33	36	27	22
Goochland	32	34	29	23	21	19	18	26	35	37	34	31	29	29	29	30	32	33	31	28	26	22	19	25	32	34	24	19
Louisa	31	33	28	23	20	18	17	25	34	36	33	31	29	28	28	29	30	30	29	27	24	21	17	23	31	34	24	18
Norfolk / Portsmouth	35	37	35	31	28	25	24	30	37	41	39	35	34	33	35	38	43	45	42	39	35	31	30	33	36	38	32	29
Ocean City	33	33	30	27	24	22	21	27	33	34	31	30	29	29	28	32	35	38	36	34	31	27	24	26	31	33	28	25
Petersburg	34	36	32	26	23	21	20	29	38	40	36	32	31	30	30	32	34	36	34	31	29	25	23	29	34	36	27	22
Richmond	33	35	31	27	23	21	20	27	36	39	35	32	31	30	30	32	33	35	32	30	28	25	23	28	33	35	26	21
Salisbury	32	32	28	25	23	21	21	27	33	35	31	28	28	27	26	29	33	35	34	31	28	26	24	26	31	32	27	23
Snow Hill	33	33	29	26	23	22	22	28	34	35	32	29	29	29	28	32	35	37	35	33	30	27	25	27	31	33	28	25
South Hill	33	36	31	26	23	21	21	29	38	40	36	32	31	31	32	34	36	38	35	32	29	26	24	29	36	38	30	25
Suffolk	35	37	32	28	25	23	21	29	38	41	37	34	32	32	33	36	41	44	41	37	33	29	28	31	35	37	30	26
Tappahannock	32	34	30	25	23	21	19	26	35	37	33	30	29	29	29	32	34	35	33	31	29	26	24	27	32	34	26	21
Virginia Beach	34	37	35	31	29	26	25	31	37	40	38	36	35	34	36	41	44	47	44	41	37	33	32	34	36	37	33	31
Wakefield	34	36	31	27	22	20	19	28	38	41	35	32	31	31	32	34	37	39	37	33	30	26	24	29	34	35	27	23
Williamsburg	35	36	32	28	24	22	21	27	36	39	36	33	31	31	32	35	38	39	37	33	30	27	25	29	34	35	28	24







# Daily Highs / Lows / Precipitation

January 4, 2025  
5:02 AM

## Maximum Temperature Forecast

	1/4	1/5	1/6	1/7	1/8	1/9	1/10
	Sat	Sun	Mon	Tue	Wed	Thu	Fri
Accomac	35	38	41	35	34	33	36
Ahoskie	37	43	45	38	38	35	38
Bowling Green	35	38	34	34	33	30	34
Cambridge	34	36	34	33	32	30	34
Cape Charles	37	40	44	36	34	33	36
Elizabeth City	39	43	50	38	39	36	39
Emporia	37	43	40	39	38	35	39
Farmville	35	40	36	37	35	32	37
Goochland	35	39	34	34	33	30	35
Louisa	35	37	32	34	32	30	34
Norfolk / Portsmouth	39	43	46	38	38	35	39
Ocean City	35	35	39	34	33	32	34
Petersburg	38	41	37	36	36	33	37
Richmond	37	40	36	35	34	32	36
Salisbury	34	36	36	33	33	31	35
Snow Hill	35	37	38	33	33	31	34
South Hill	37	42	39	39	38	35	39
Suffolk	38	43	45	37	38	35	38
Tappahannock	36	39	36	34	34	31	35
Virginia Beach	39	41	48	38	38	35	38
Wakefield	37	42	40	36	36	33	38
Williamsburg	38	41	40	36	36	33	37

## Minimum Temperature Forecast

	1/4	1/5	1/6	1/7	1/8	1/9	1/10
	Sat	Sun	Mon	Tue	Wed	Thu	Fri
Accomac	28	24	30	26	23	19	21
Ahoskie	25	20	32	23	17	17	17
Bowling Green	22	16	27	17	10	11	12
Cambridge	21	21	23	24	21	17	19
Cape Charles	31	27	35	27	25	25	26
Elizabeth City	26	20	33	25	19	19	19
Emporia	24	19	30	22	15	15	15
Farmville	22	18	27	20	13	13	14
Goochland	21	17	26	17	10	10	12
Louisa	21	15	25	16	8	10	10
Norfolk / Portsmouth	28	23	33	28	22	22	22
Ocean City	25	20	28	20	21	17	19
Petersburg	24	19	29	20	14	14	15
Richmond	24	19	29	19	13	13	15
Salisbury	24	19	26	22	15	15	18
Snow Hill	24	20	28	24	21	17	19
South Hill	20	20	30	24	17	17	17
Suffolk	26	19	32	25	18	18	19
Tappahannock	23	18	29	19	13	13	15
Virginia Beach	30	24	34	30	24	24	24
Wakefield	24	18	31	21	15	15	16
Williamsburg	25	19	31	22	16	16	17

## Probability of Precipitation Forecast

	1/5		1/6				1/7			
	Sun		Mon				Tue			
	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm
Accomac	0	0	25	70	90	80	60	20	0	0
Ahoskie	0	10	35	55	75	65	30	5	0	0
Bowling Green	0	5	75	95	95	65	45	10	0	0
Cambridge	0	0	25	80	95	75	60	15	0	0
Cape Charles	0	0	35	65	85	75	50	15	0	0
Elizabeth City	0	5	25	55	75	70	40	15	0	0
Emporia	0	15	50	65	85	60	30	5	0	0
Farmville	0	30	80	90	95	50	30	5	0	0
Goochland	0	10	85	90	95	60	35	5	0	0
Louisa	0	10	85	95	95	60	40	5	0	0
Norfolk / Portsmouth	0	5	35	60	80	70	45	10	0	0
Ocean City	0	0	15	70	95	80	65	20	0	0
Petersburg	0	15	65	80	95	60	40	10	0	0
Richmond	0	10	75	85	95	60	40	10	0	0
Salisbury	0	0	20	75	95	75	65	20	0	0
Snow Hill	0	0	20	75	95	75	60	20	0	0
South Hill	0	20	60	70	90	60	25	5	0	0
Suffolk	0	5	35	60	75	70	40	5	0	0
Tappahannock	0	5	60	90	95	65	50	10	0	0
Virginia Beach	0	5	30	60	80	75	50	20	0	0
Wakefield	0	10	50	70	85	65	40	5	0	0
Williamsburg	0	5	50	75	90	70	45	10	0	0

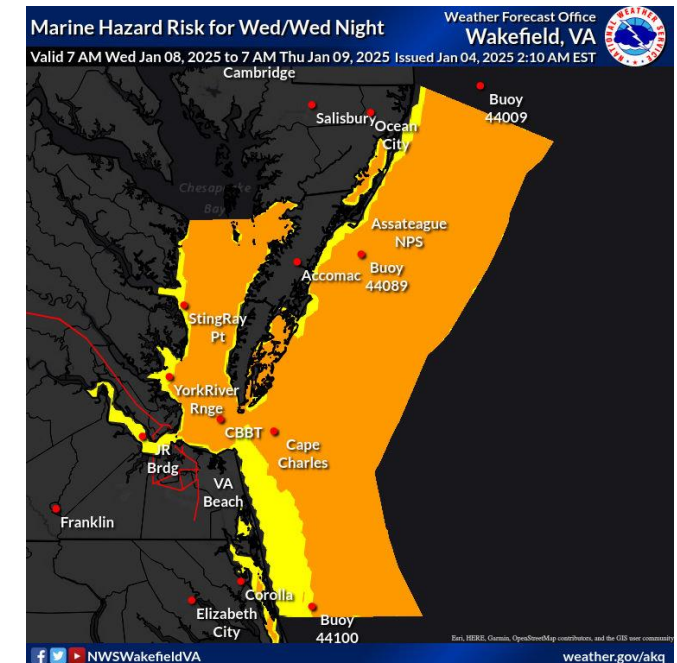
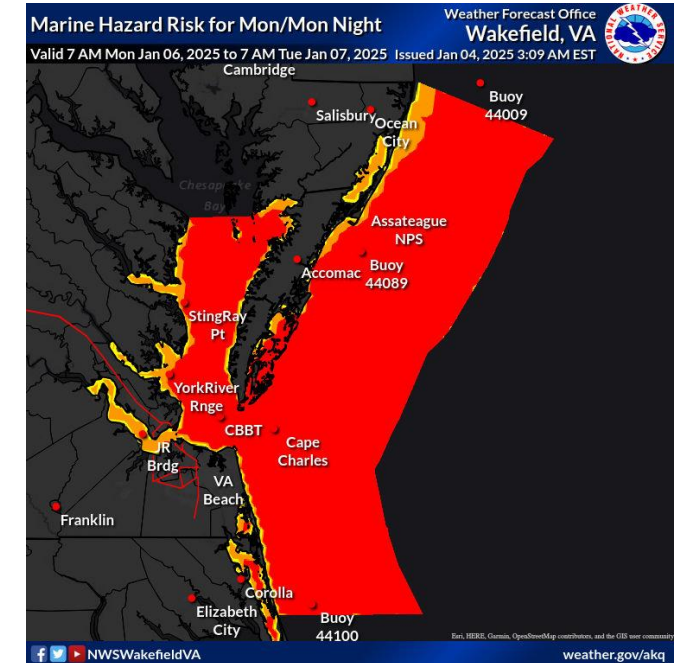
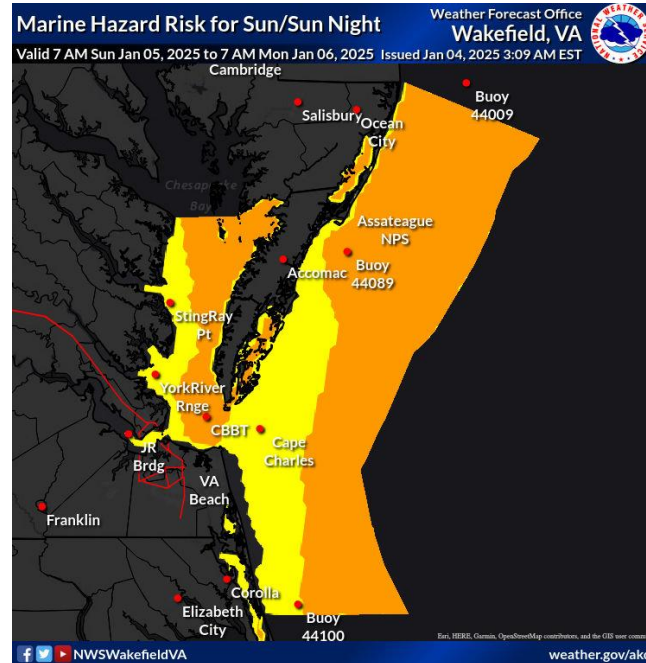
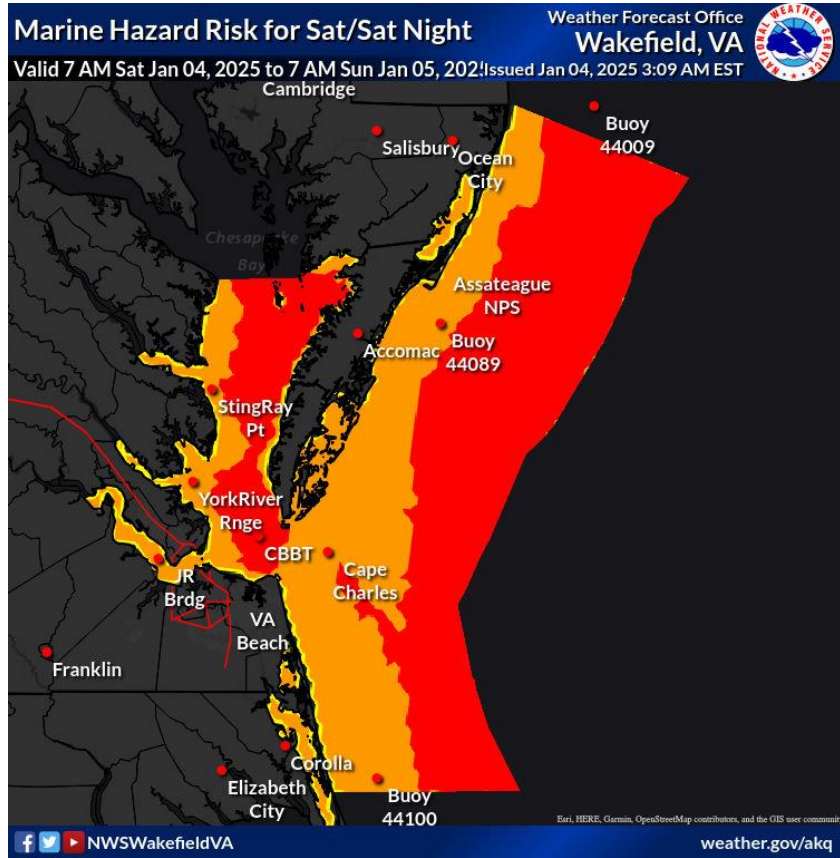






# Marine Threat Potential - Next 5 Days

January 4, 2025  
5:02 AM



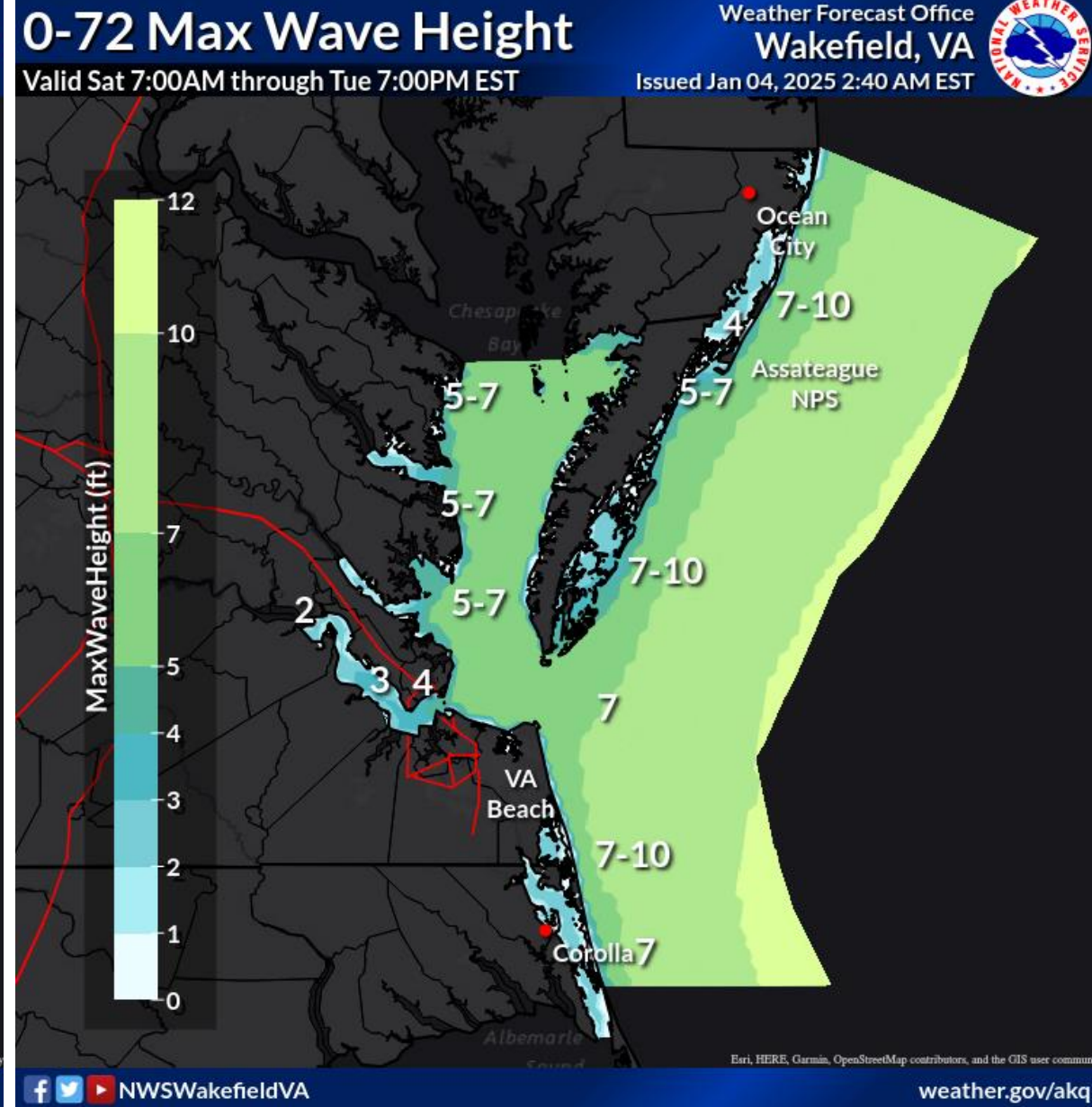
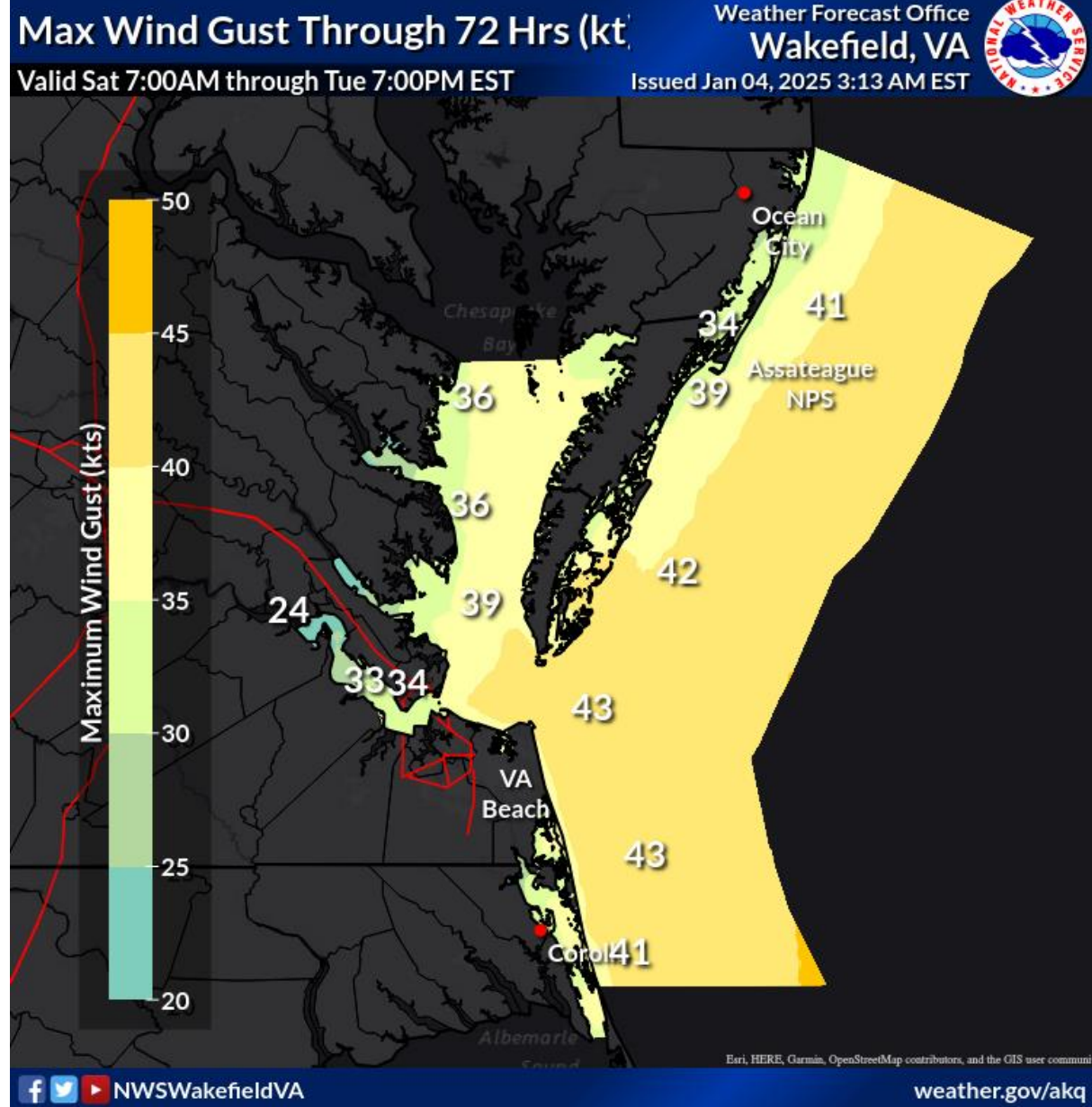
<b>Limited</b>	Wind Gusts $\geq$ 20 knots (15 kt Bay & rivers) and/or Waves $\geq$ 4 feet (2 ft Bay & rivers).
<b>Elevated</b>	Wind Gusts $\geq$ 25 knots (20 kt Bay & rivers) and/or Waves $\geq$ 5 feet ( $\geq$ 4 ft Bay & rivers).
<b>Significant</b>	Wind Gusts $\geq$ 34 knots and/or Waves $\geq$ 8 feet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





# Marine Threat Potential

January 4, 2025  
5:02 AM



## Key Points:

**Gale Warnings** this morning will be replaced by **Small Craft Advisories** for this afternoon.

Northwest winds slowly decrease today, but remain 15 to 20 kt.

Waves on the Bay 4 to 5 ft and ocean seas up to 7 ft this morning will slowly decrease.

Marine conditions improve late Sun/early Mon, but winds increase again to gale conditions late Mon and into Tue.

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





# Marine Forecast Summary

January 4, 2025  
5:02 AM

## Maximum Wind Gust Forecast

	1/4 Sat		1/5 Sun				1/6 Mon				1/7 Tue				1/8 Wed				1/9 Thu			
	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm
	<b>CBBT</b>	28	27	25	22	16	13	11	16	24	31	38	36	31	29	27	25	19	19	23	26	29
<b>Cape Henry</b>	29	28	25	21	16	13	10	16	23	30	39	37	31	30	28	25	20	20	23	26	30	31
<b>Chesapeake Light</b>	30	30	27	23	19	14	10	16	24	28	40	39	34	32	28	26	23	20	24	28	31	32
<b>Chincoteague Shoal</b>	32	31	28	26	23	18	11	16	25	35	36	35	33	32	29	27	25	24	26	30	32	33
<b>Duck, NC</b>	26	27	25	21	15	12	9	16	21	28	38	37	30	25	23	21	18	19	21	26	27	28
<b>Fenwick Shoal</b>	34	33	30	27	24	20	15	19	26	32	33	32	33	32	29	27	28	28	29	31	34	33
<b>HRBT</b>	27	22	19	16	15	10	10	15	22	28	33	31	26	22	20	17	15	16	19	22	24	25
<b>JRB</b>	27	21	18	15	14	10	11	14	22	28	31	30	25	18	16	14	14	14	17	21	23	21
<b>New Point Comfort</b>	25	22	20	18	14	11	11	16	23	32	34	33	28	26	24	20	17	17	20	24	26	27
<b>Parramore Banks</b>	31	30	28	24	21	15	9	16	24	35	36	35	32	32	28	26	23	21	24	28	31	32
<b>Rappahannock Light</b>	28	26	24	21	15	13	10	15	23	33	36	35	31	29	28	25	21	20	24	26	28	29
<b>Tangier</b>	30	30	27	24	19	15	10	15	23	32	36	35	32	32	30	28	23	23	27	29	31	32
<b>Thimble Shoal</b>	26	26	23	21	15	13	12	16	24	32	37	35	30	27	26	22	18	19	22	25	27	28

\*Table values in kt  
 \*\*Created: 3 am EST Sat 1/4/2025  
 \*\*\*Values are maximums over the period beginning at the time shown.

## Wave Height Forecast

	1/4 Sat		1/5 Sun		1/6 Mon		1/7 Tue		1/8 Wed		1/9 Thu	
	12pm	6pm	12am	6pm	12am	6pm	12am	6pm	12am	6pm	12am	6pm
	<b>CBBT</b>	4.0	3.0	2.0	2.0	5.0	6.0	5.0	4.0	3.0	3.0	4.0
<b>Cape Henry</b>	5.0	4.0	3.0	2.0	5.0	6.0	6.0	5.0	3.0	3.0	4.0	
<b>Chesapeake Light</b>	6.0	5.0	4.0	3.0	5.0	8.0	8.0	6.0	4.0	4.0	5.0	
<b>Chincoteague Shoal</b>	4.0	4.0	3.0	2.0	5.0	6.0	5.0	4.0	3.0	3.0	4.0	
<b>Duck, NC</b>	4.0	4.0	3.0	2.0	4.0	6.0	6.0	5.0	3.0	3.0	5.0	
<b>Fenwick Shoal</b>	5.0	5.0	4.0	3.0	5.0	6.0	6.0	5.0	4.0	4.0	5.0	
<b>HRBT</b>	3.0	2.0	1.0	2.0	3.0	4.0	3.0	2.0	2.0	2.0	3.0	
<b>JRB</b>	2.0	2.0	1.0	1.0	2.0	3.0	2.0	2.0	1.0	2.0	2.0	
<b>New Point Comfort</b>	3.0	2.0	1.0	2.0	5.0	5.0	4.0	3.0	2.0	3.0	4.0	
<b>Parramore Banks</b>	4.0	4.0	3.0	2.0	5.0	6.0	5.0	4.0	3.0	3.0	4.0	
<b>Rappahannock Light</b>	4.0	3.0	2.0	2.0	5.0	6.0	5.0	4.0	3.0	4.0	4.0	
<b>Tangier</b>	5.0	4.0	2.0	2.0	5.0	6.0	5.0	5.0	3.0	4.0	4.0	
<b>Thimble Shoal</b>	4.0	3.0	2.0	2.0	5.0	6.0	5.0	4.0	2.0	4.0	4.0	

\*Table values in feet  
 \*\*Created: 3 am EST Sat 1/4/2025  
 \*\*\*Values are maximums over the period beginning at the time shown.





# Contact and Next Briefing Information

January 4, 2025  
5:02 AM

For NWS Wakefield, Virginia



## Briefing Webpage

→ [NWS Wakefield Briefing](#)



## Contact Information

### Web

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

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→ (757) 899-4200

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### Twitter

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

