



Winter Weather Briefing

January 21, 2025
4:00 PM

Prepared by National Weather Service Wakefield, VA

Decision Support Briefing #10

→ As of 4:30 PM EST
Tuesday, January 21, 2025

NEW

What Has Changed?

- Winter Storm Warnings have been expanded to include southside Hampton Roads as well as Bertie NC, where 3 to 5" of snow is expected.
- Winter Weather Advisories have been expanded and now include Accomack and York VA for the potential of 1 to 3" of snow.
- Phone lines at the NWS office in Wakefield are down at this time. If you need to reach us, we can be reached via cell phone at 757-377-8151. We are also available via this email address, NWS Chat and our Social Media Platforms.



Disclaimer: Information may become outdated after briefing time. Consult 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 21, 2025

4:00 PM

- **Winter Storm Warnings** are now in effect across most of northeast NC, including the northern Outer Banks, as well as southside Hampton Roads, including Norfolk and Va Beach. Overall model confidence and snow has increased over this area, with 3-5" of snow forecast tonight into Wednesday AM. Locally higher amounts will be possible. **Winter Weather Advisories** are in effect for much of the remainder of southeast VA into interior northeast NC, where 1-3" of snow is expected. A light accumulation of snow (<1") is also possible across the rest of central/eastern VA and the MD eastern shore.
- **Remaining very cold through midweek.** Daily highs Wednesday will again be in the 20s, with early morning lows in the single digits to mid teens. **Prepare now for minimum wind chills as low as 5 to 10 above in the south and near to occasionally below zero across the north each night through Wednesday night/early Thursday.**
- **Marine Weather** - A Freezing Spray Advisory is in effect through Wednesday morning, with light to moderate freezing spray expected. Small Craft Advisories are in effect tonight into Wednesday morning.





Winter Storm Watch

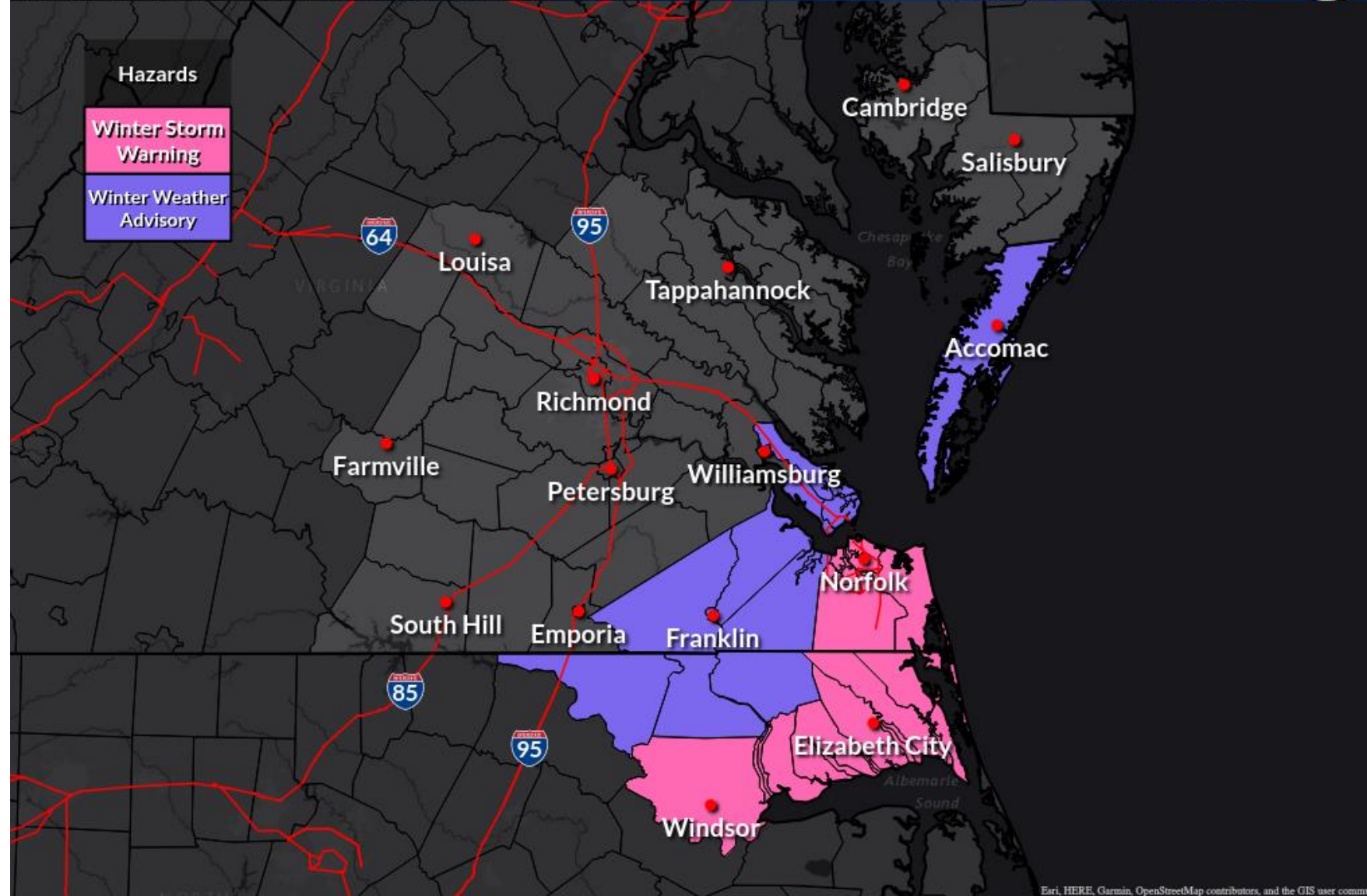
January 21, 2025
4:00 PM

Winter Weather Hazards

Valid This Evening through Wednesday Morning

Weather Forecast Office
Wakefield, VA

Issued Jan 21, 2025 3:04 PM EST



NWSWakefieldVA

weather.gov/akq

Key Points:

- Snow accumulations of 3-5" are expected in the warning area, with locally higher totals possible; 1-3" is expected in the Advisory area (highest in E/SE sections closest to the Warning).
- A light accumulation (<1") of snow is possible a couple tiers of counties west of the advisory area.



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Wakefield, VA



Expected Snow Late Today Into Wed

January 21, 2025
4:00 PM

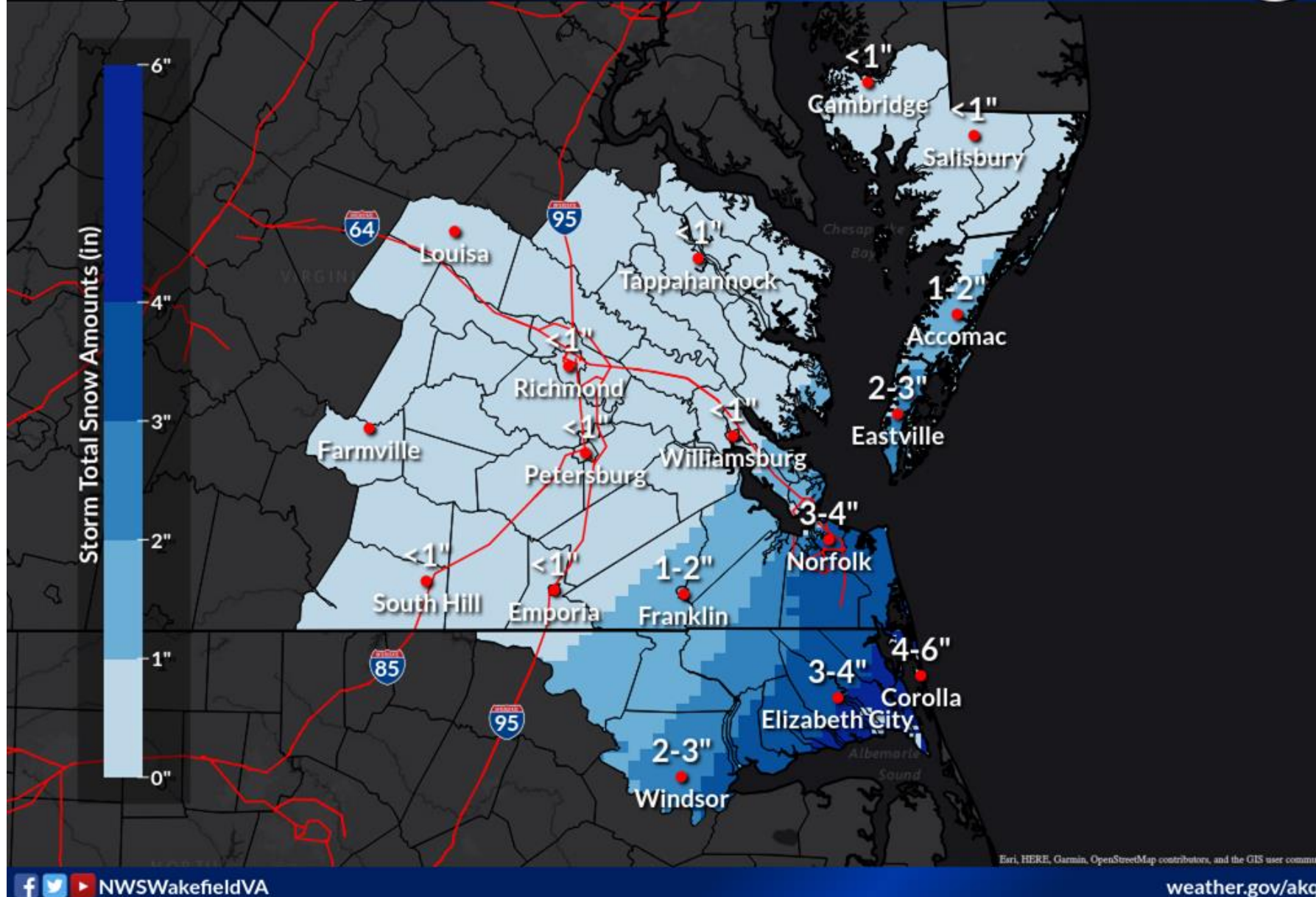
Snow Totals Through 72 Hrs

Weather Forecast Office
Wakefield, VA



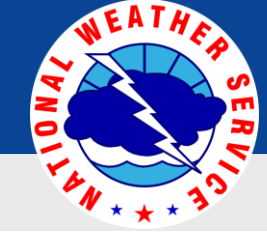
Valid Tonight 7:00 PM EST Through Fri 7:00 PM EST.

Issued Jan 21, 2025 3:25 PM EST



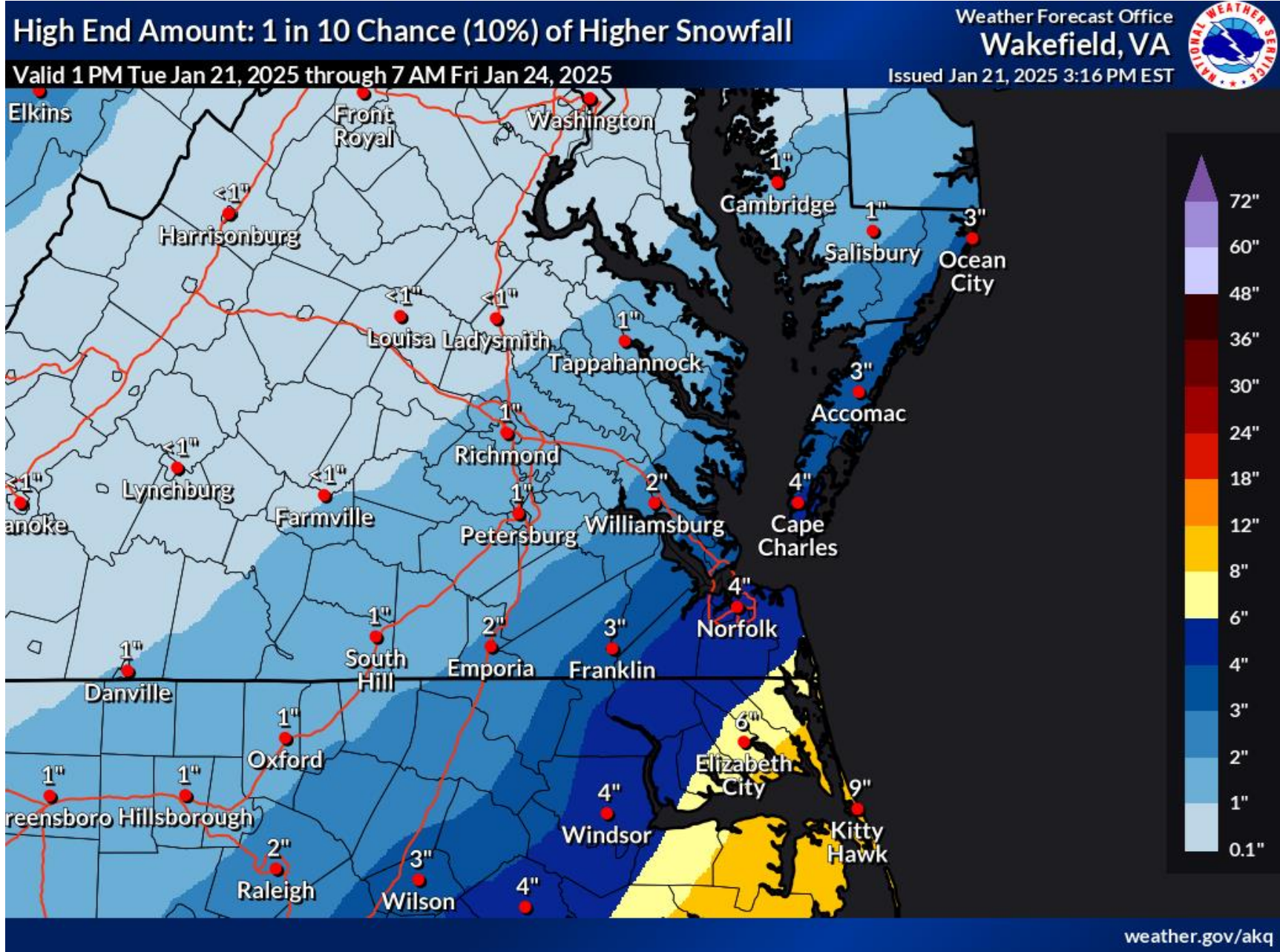
- **SNOW AMOUNTS:** 3-5" of snow is forecast over coastal northeast NC, with 2-4" in far SE VA. Slightly lower totals are expected just inland, but even 0.5-1" of snow will likely cause minor travel issues given the cold temperatures.
- **TIMING:** Best timing for snow this evening into early Wednesday morning.
- **HAZARDS:** Temperatures will be well below freezing and any accumulating snow will likely cause some travel issues.





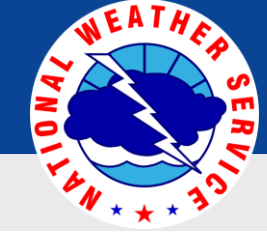
High End (Worst Case) Snow Today/Wed

January 21, 2025
4:00 PM



This graphic illustrates the WORST case potential snowfall (1 in 10 chance). **This can be useful for planning purposes in case forecast snow totals increase.**





Snow Timing and Temps - Tonight-Fri

January 21, 2025
4:00 PM

Weather Forecast

	1/21	1/22			1/23				1/24				
	Tue 6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm
Accomac	☁	☁											
Ahoskie	☁	☁	☁										
Bowling Green	☁												
Cambridge	☁	☁											
Cape Charles	☁	☁	☁										
Corolla	☁	☁	☁			☁	☁	☁					
Edenton	☁	☁	☁				☁	☁					
Elizabeth City	☁	☁	☁				☁	☁					
Emporia	☁	☁											
Farmville	☁												
Gloucester	☁	☁											
Goochland	☁												
Hampton/NNews	☁	☁	☁										
Louisa	☁												
Norfolk / Portsmouth	☁	☁	☁										
Ocean City	☁	☁											
Petersburg	☁	☁											
Richmond	☁	☁											
Salisbury	☁	☁											
South Hill	☁	☁											
Suffolk	☁	☁	☁										
Tappahannock	☁	☁											
Virginia Beach	☁	☁	☁					☁	☁				
Wakefield	☁	☁											
Williamsburg	☁	☁											
Windsor	☁	☁	☁					☁	☁				

*Created: 4 pm EST Tue 1/21/2025. Shows most impactful weather for the period beginning at the time shown. Weather symbols display where Probability of Precipitation ≥ 0%.

- Rain + **- Fz Rain +** **- Snow +**

Temperature Forecast

	1/21	1/22				1/23				1/24			
	Tue 6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm
Accomac	22	18	16	23	21	17	15	30	30	25	23	33	30
Ahoskie	25	21	18	27	23	16	12	32	30	23	19	36	31
Bowling Green	22	18	12	21	19	14	11	30	28	22	18	33	29
Cambridge	19	17	14	20	17	12	10	28	28	23	20	31	27
Cape Charles	24	24	23	24	24	23	22	32	33	31	30	34	32
Corolla	27	26	25	30	28	26	24	35	35	31	29	36	34
Edenton	28	24	22	29	26	21	18	33	32	27	24	37	34
Elizabeth City	27	24	21	27	24	19	17	34	31	25	21	36	32
Emporia	24	20	17	26	21	13	9	31	29	21	17	37	32
Farmville	24	20	14	24	20	14	10	32	30	23	19	36	31
Gloucester	23	20	18	24	21	17	15	32	30	24	21	34	31
Goochland	22	19	12	22	19	13	10	32	30	22	18	34	30
Hampton/NNews	24	22	21	26	24	21	19	33	32	27	24	35	32
Louisa	22	17	10	20	17	12	9	31	28	20	16	33	29
Norfolk / Portsmouth	26	24	22	27	25	21	19	33	32	27	25	36	33
Ocean City	21	18	16	23	21	17	15	30	28	23	20	32	28
Petersburg	25	21	17	25	22	15	12	32	30	23	19	36	31
Richmond	24	20	15	24	21	15	12	32	30	24	20	35	31
Salisbury	20	17	12	22	19	13	10	29	27	21	17	31	27
South Hill	24	22	17	26	22	16	12	31	30	24	21	37	32
Suffolk	26	23	21	27	24	19	17	33	31	24	21	36	33
Tappahannock	22	19	14	22	19	14	11	30	29	22	19	33	29
Virginia Beach	26	24	23	27	26	24	22	33	33	30	28	36	34
Wakefield	25	20	17	26	22	15	12	32	30	22	18	35	31
Williamsburg	24	20	18	26	22	16	13	32	30	23	19	36	32
Windsor	28	23	20	28	24	18	15	33	31	24	21	38	33



National Oceanic and Atmospheric Administration

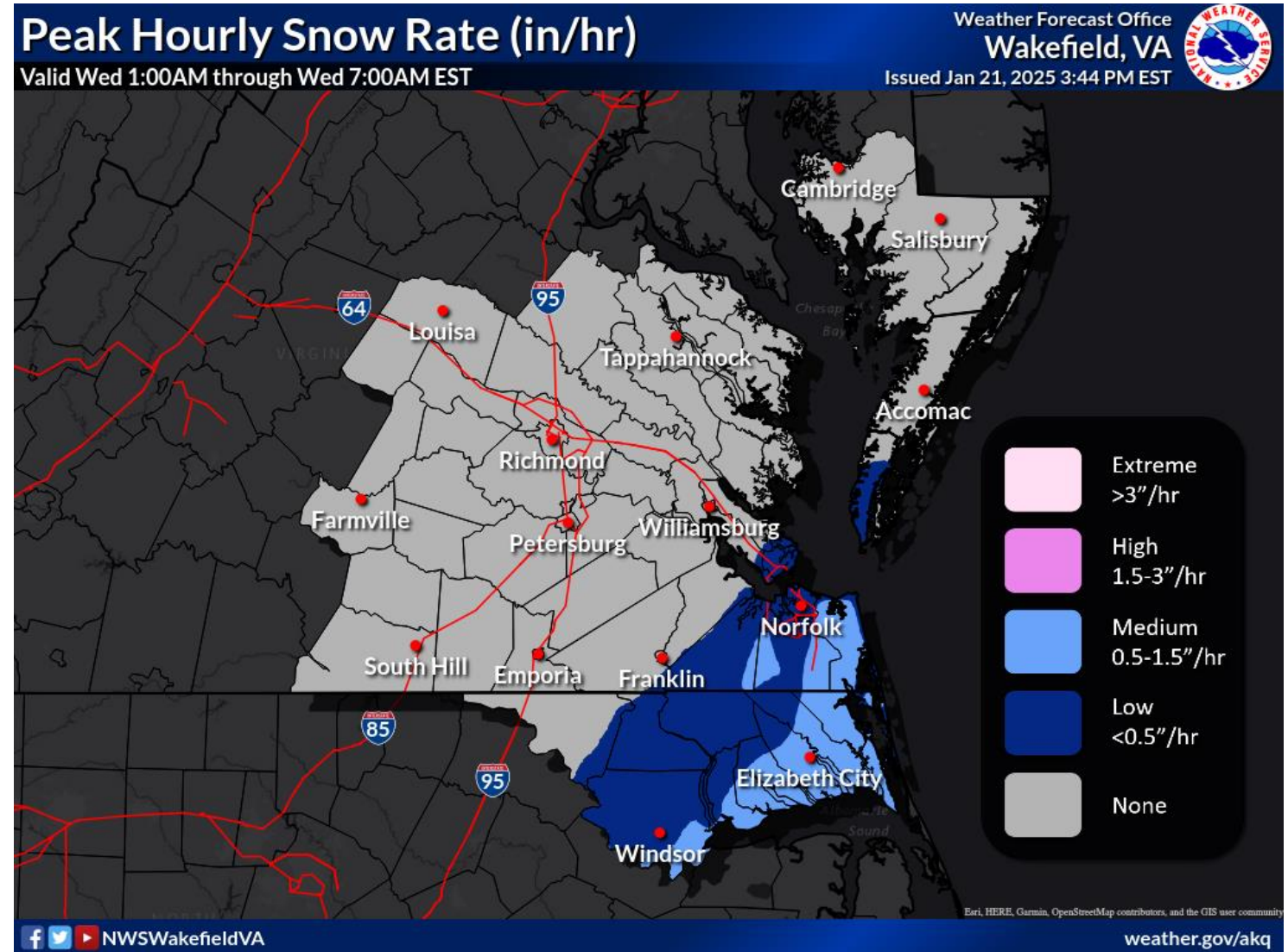
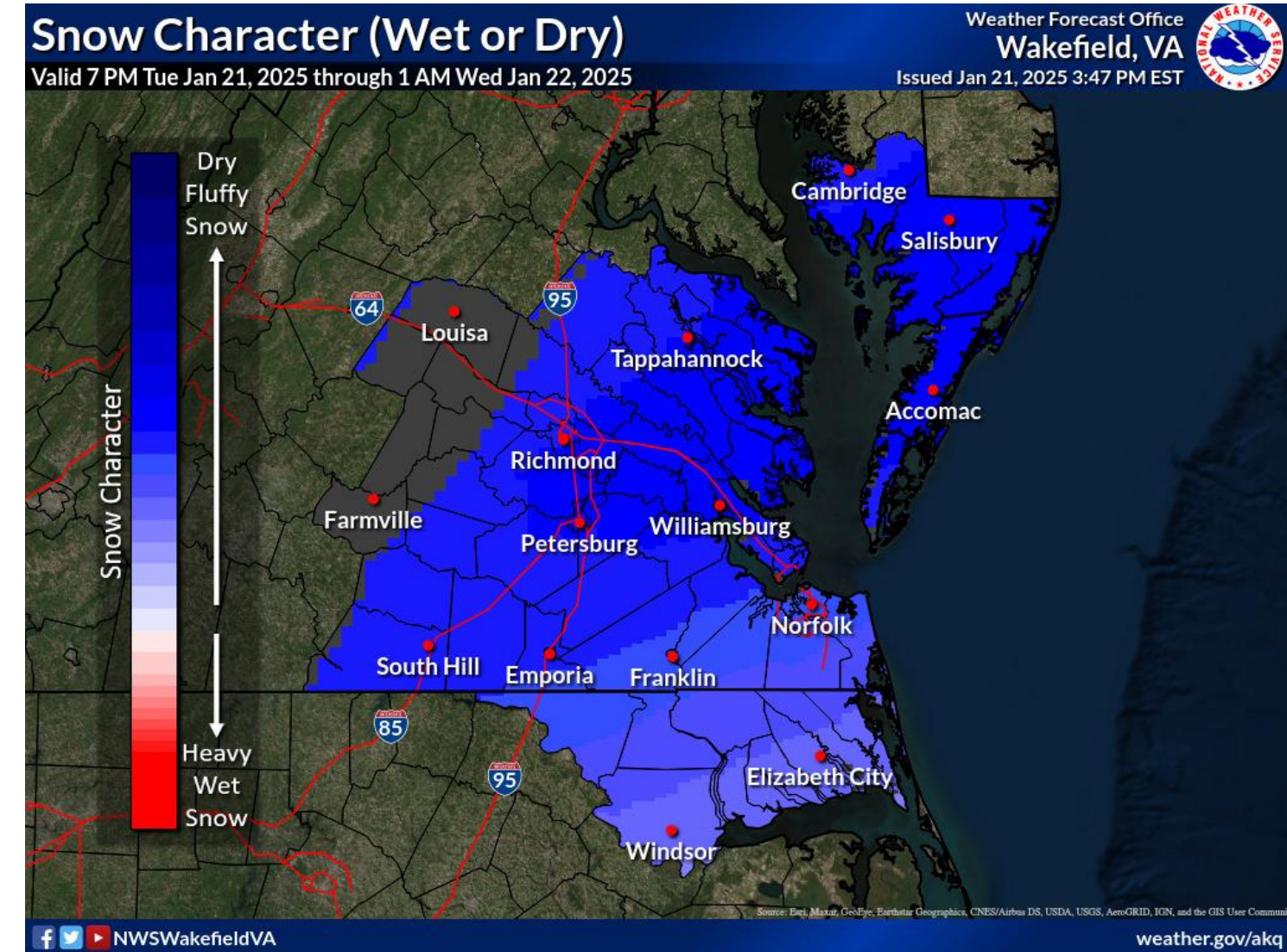
U.S. Department of Commerce

National Weather Service
Wakefield, VA



Snow Character and Peak Snowfall Rate

January 21, 2025
4:00 PM



This will be a very dry, fluffy snow with peak rates of up to 1"/hour. The most likely timing for peak snowfall rate is between 9 PM and 3 AM.



Cold Weather Advisory

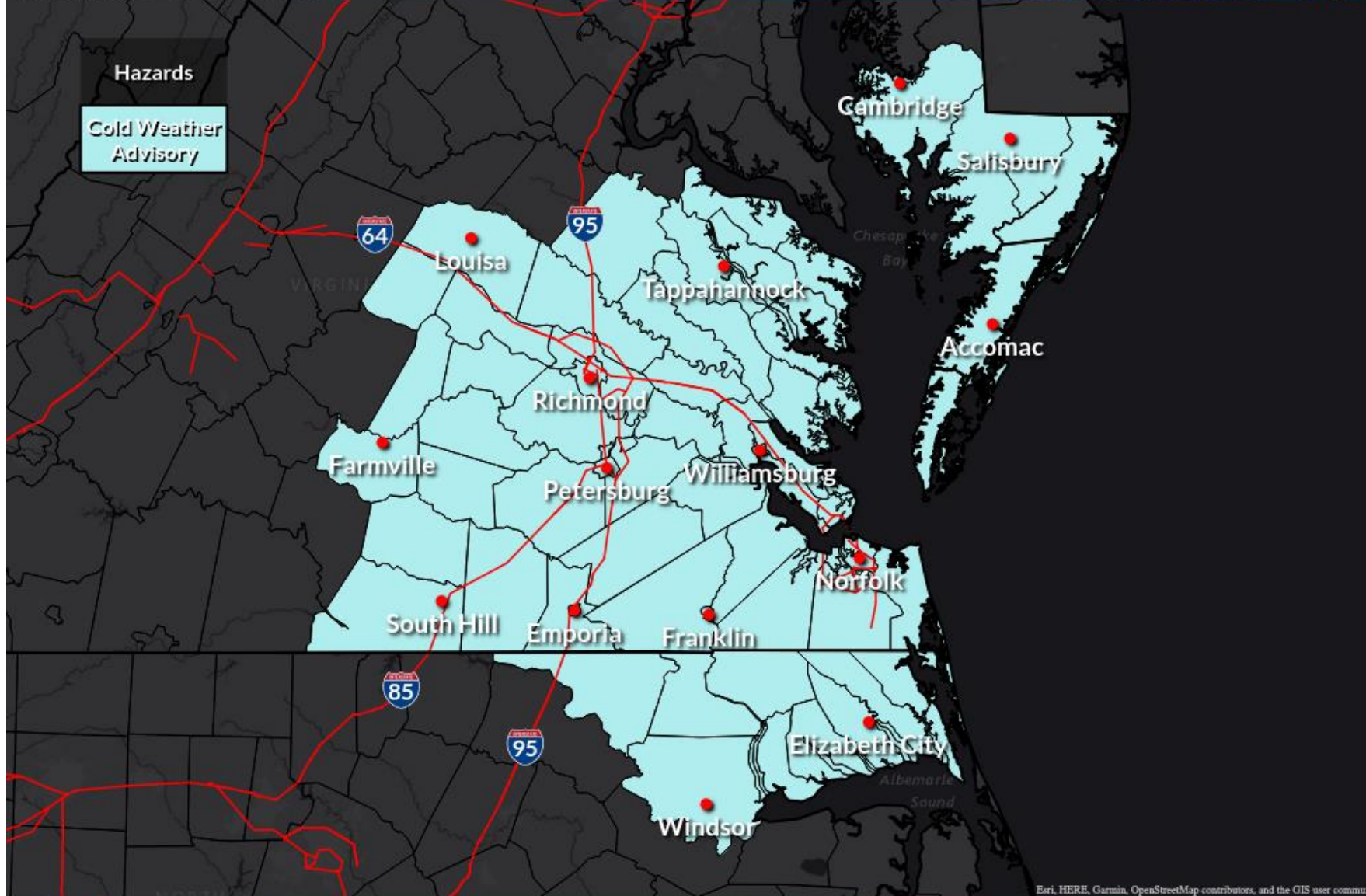
January 21, 2025
4:00 PM

Cold Weather Advisory

Valid Tonight-Wednesday AM

Weather Forecast Office
Wakefield, VA

Issued Jan 21, 2025 7:53 AM EST



Eri, HERE, Garmin, OpenStreetMap contributors, and the GIS user community

NWSWakefieldVA

weather.gov/akq

Key Points:

- Cold Weather Advisories have been issued for the entire area from tonight-Wednesday AM.
- A 5-15 mph wind and lows in the teens will result in widespread 0-10°F wind chills over the entire area.



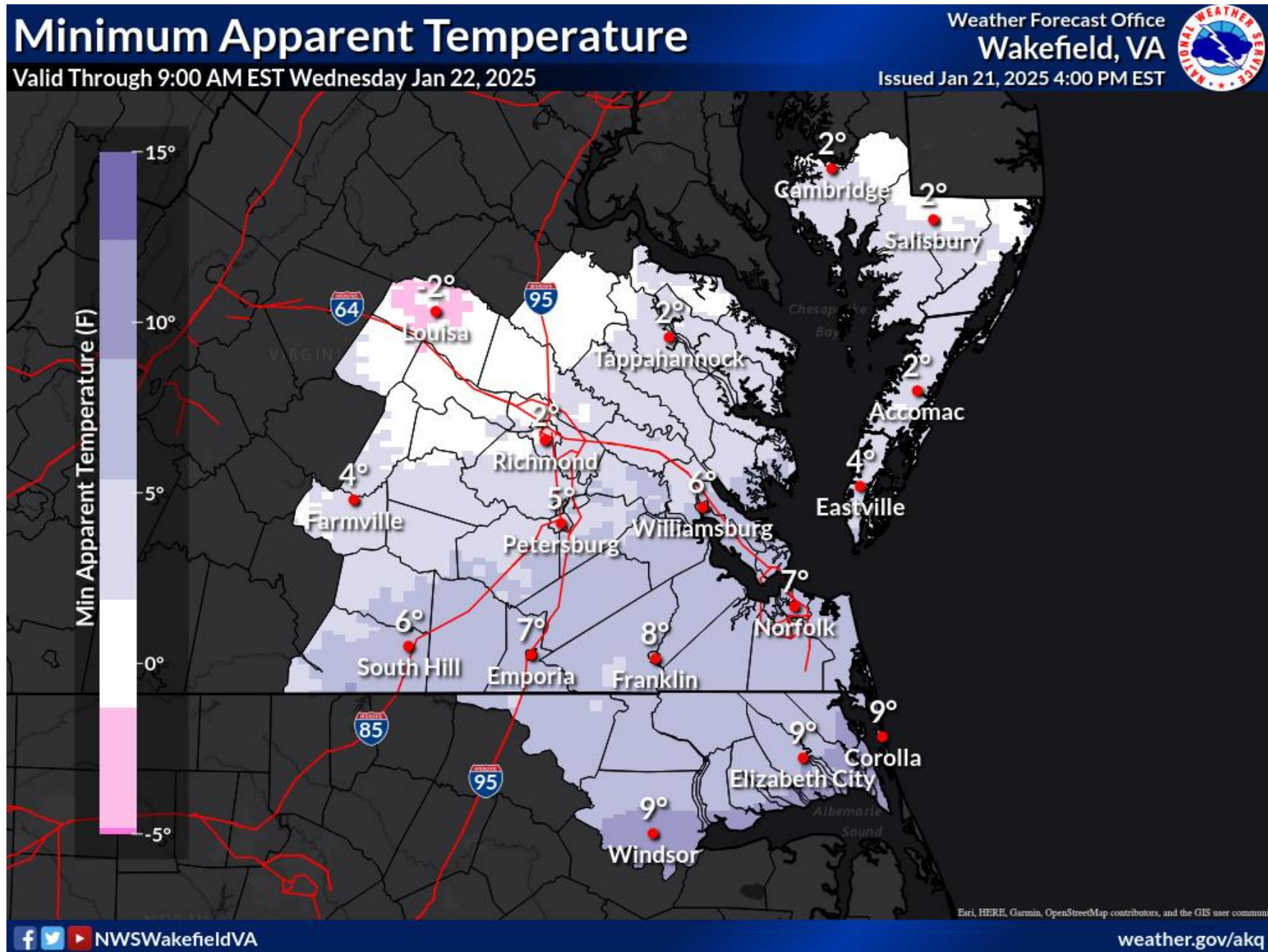
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National Weather Service
Wakefield, VA



Minimum Wind Chills - Tonight

January 21, 2025
4:00 PM



- The combination of air temperatures in the teens and a 5-15 mph wind will lead to wind chills mainly from 0 to 10 degrees later tonight into Wednesday morning.
- Use caution while traveling outside. Wear appropriate clothing, a hat, and gloves.

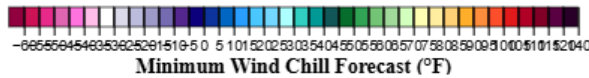


VERY Cold & Windy Through Midweek

January 21, 2025
4:00 PM

Minimum Wind Chill Forecast

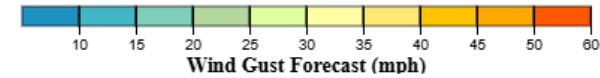
	1/21	1/22				1/23				1/24			
	Tue	Wed		Thu		Thu		Fri		Fri		Sat	
	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm
Accomac	9	4	2	12	12	9	9	23	19	15	14	25	17
Ahoskie	16	8	6	19	17	13	12	29	24	20	15	31	22
Bowling Green	19	4	0	13	14	11	11	25	22	13	13	27	21
Cambridge	12	4	2	9	13	10	10	22	18	13	13	23	15
Cape Charles	11	9	6	10	13	14	14	24	22	19	19	24	20
Corolla	13	10	10	18	18	17	15	27	25	21	19	28	22
Edenton	14	12	10	19	13	11	11	28	23	17	17	32	22
Elizabeth City	15	11	9	17	15	12	12	29	25	16	15	30	21
Emporia	15	8	7	19	14	10	9	28	22	18	17	33	22
Farmville	16	6	4	18	14	10	10	27	24	20	14	31	23
Gloucester	15	9	6	15	16	15	15	27	25	15	15	29	21
Goochland	15	3	-1	15	14	10	9	26	23	14	13	29	21
Hampton/NNews	14	9	8	15	16	15	13	27	22	16	16	28	20
Louisa	14	2	-2	13	12	2	2	25	21	17	10	27	21
Norfolk / Portsmouth	14	9	9	16	16	15	12	27	24	17	16	29	22
Ocean City	8	4	2	12	15	9	9	23	17	11	10	24	14
Petersburg	16	8	5	17	16	12	12	27	24	20	14	31	24
Richmond	16	5	3	16	16	12	12	26	24	15	15	30	23
Salisbury	9	2	-2	11	14	10	9	23	16	10	9	22	13
South Hill	17	8	6	19	16	12	12	26	25	16	16	33	24
Suffolk	16	11	10	17	18	17	13	29	25	16	16	30	26
Tappahannock	14	4	1	13	14	11	10	25	18	14	12	26	17
Virginia Beach	14	9	7	15	16	14	14	25	22	20	19	28	21
Wakefield	16	9	7	18	16	12	12	29	23	19	14	31	24
Williamsburg	15	8	6	18	17	13	13	27	24	15	14	31	24
Windsor	17	12	10	20	17	15	15	30	25	21	16	33	24



Created: 7 am EST Tue 1/21/2025 | Values are minimums over the period beginning at the time shown.

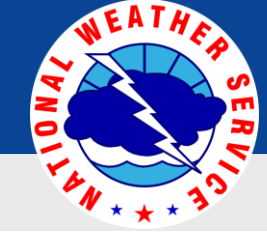
Wind Gust Forecast (mph)

	1/21	1/22				1/23				1/24			
	Tue	Wed		Thu		Thu		Fri		Fri		Sat	
	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm
Accomac	10	12	18	16	7	5	5	10	7	7	10	15	12
Ahoskie	9	8	13	13	5	3	3	6	2	3	5	8	5
Bowling Green	3	5	10	10	3	3	3	8	5	3	5	9	7
Cambridge	6	6	12	15	5	2	3	8	5	6	8	15	9
Cape Charles	16	18	26	23	14	9	9	13	10	13	17	18	16
Corolla	23	25	32	25	16	12	12	15	10	13	16	17	14
Edenton	14	14	17	16	10	7	7	8	5	6	7	10	7
Elizabeth City	14	14	18	20	9	5	6	9	6	5	7	13	7
Emporia	5	5	10	9	2	1	1	6	2	2	3	7	5
Farmville	2	6	9	7	3	2	3	8	6	3	5	8	6
Gloucester	7	7	15	12	5	3	3	7	3	5	6	9	6
Goochland	2	6	12	10	3	3	3	9	6	5	5	9	7
Hampton/NNews	13	12	21	18	9	6	6	10	7	7	10	14	9
Louisa	3	6	10	8	3	3	5	9	5	5	5	8	6
Norfolk / Portsmouth	15	15	23	21	10	6	7	12	7	7	12	15	9
Ocean City	10	14	20	16	7	3	6	10	8	8	13	16	12
Petersburg	5	5	13	12	5	2	2	7	5	3	5	9	5
Richmond	3	7	13	12	5	3	3	8	5	3	6	10	7
Salisbury	8	8	12	15	5	3	3	9	6	6	8	15	9
South Hill	3	7	12	9	3	2	2	7	5	5	6	8	5
Suffolk	12	9	16	16	7	3	3	8	5	3	6	10	5
Tappahannock	5	7	13	12	3	3	3	7	5	5	7	10	7
Virginia Beach	17	21	29	24	15	10	10	15	10	13	17	18	14
Wakefield	6	5	12	12	3	1	2	6	2	2	5	8	5
Williamsburg	6	6	13	13	5	3	3	7	5	3	5	9	5
Windsor	10	8	13	12	6	3	3	6	2	3	5	8	5



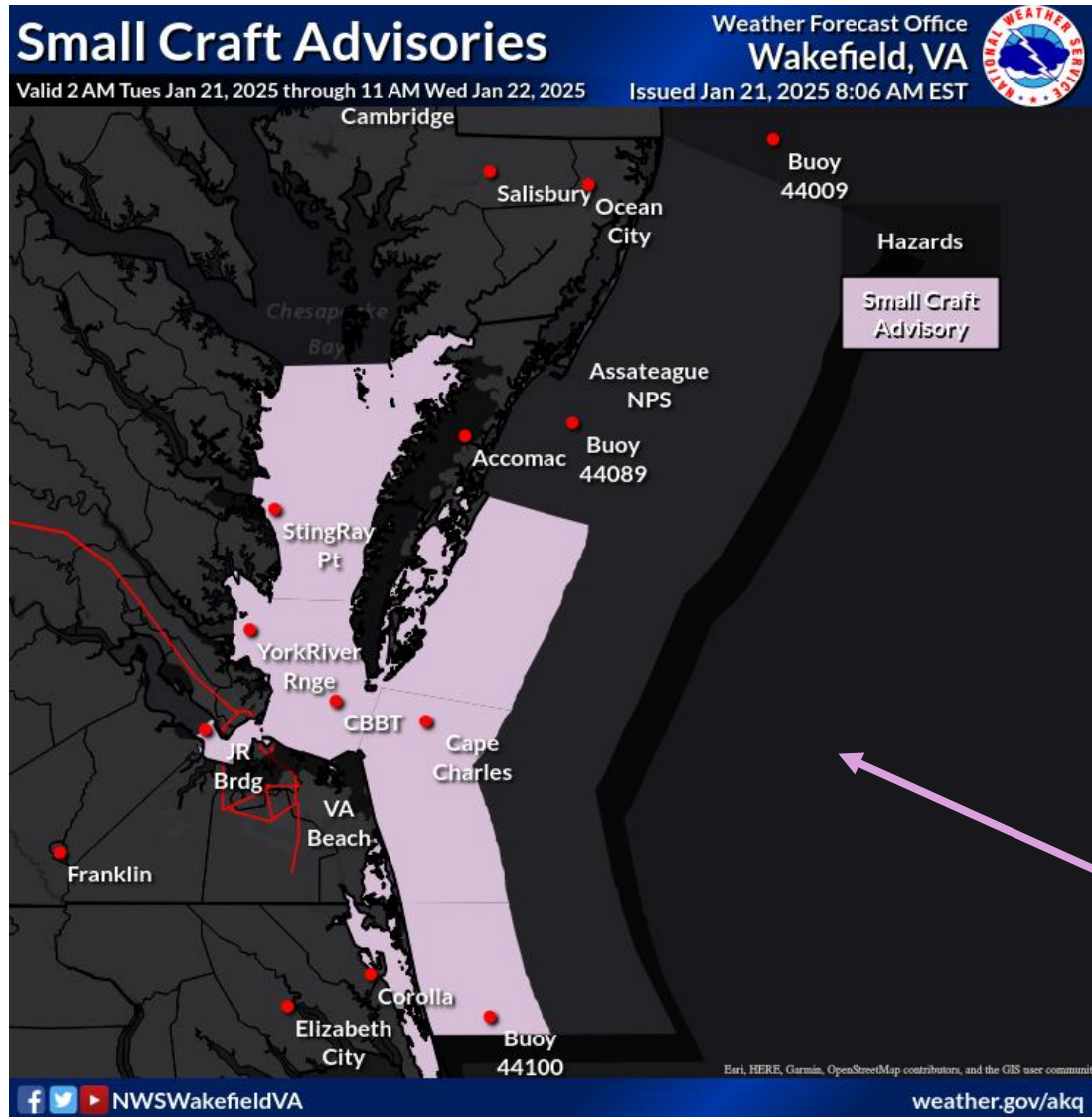
Created: 7 am EST Tue 1/21/2025 |





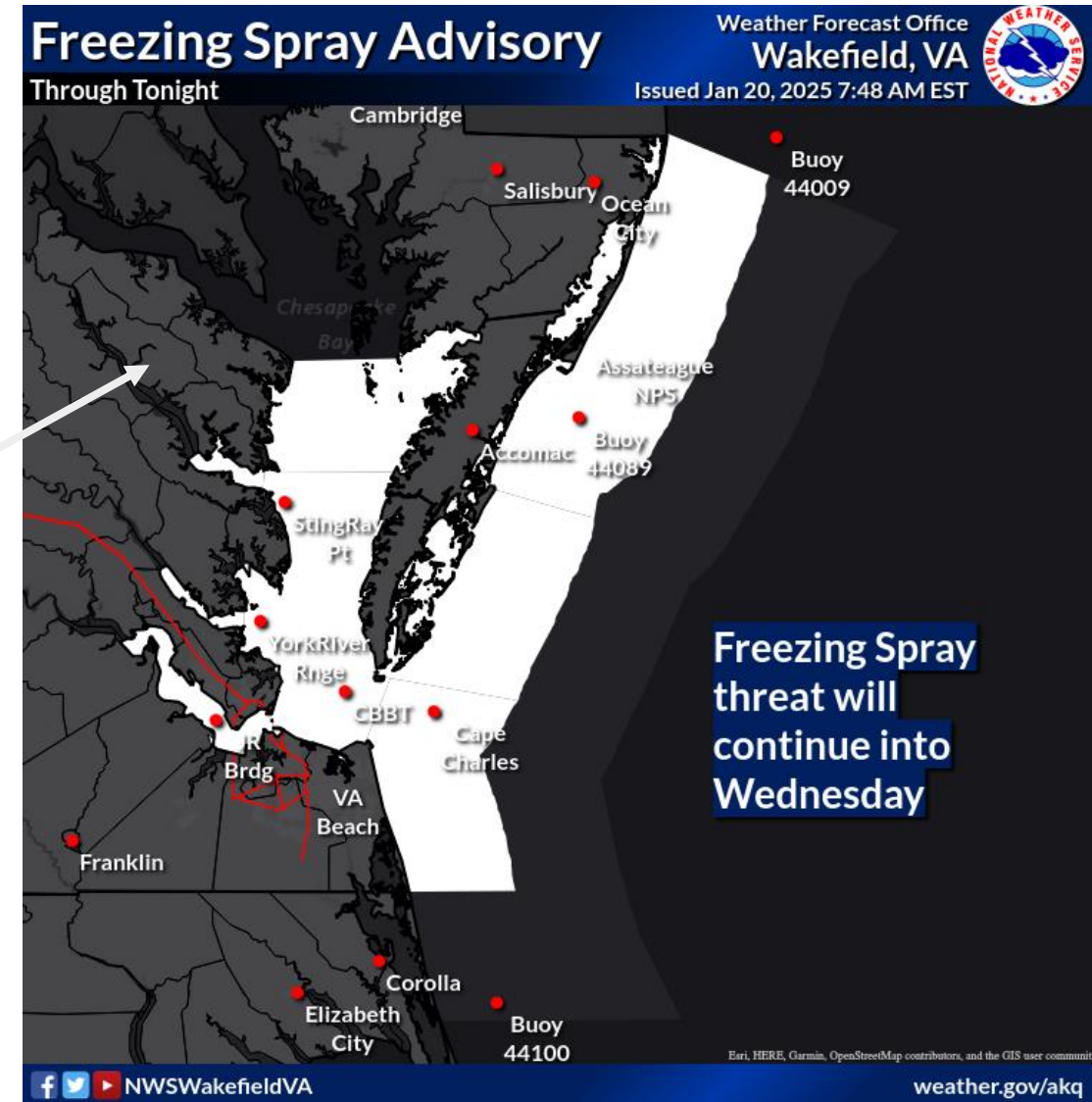
Marine Hazards

January 21, 2025
4:00 PM



Freezing Spray Advisories remain in effect for all local waters north of the VA/NC border until 10 AM Wednesday.

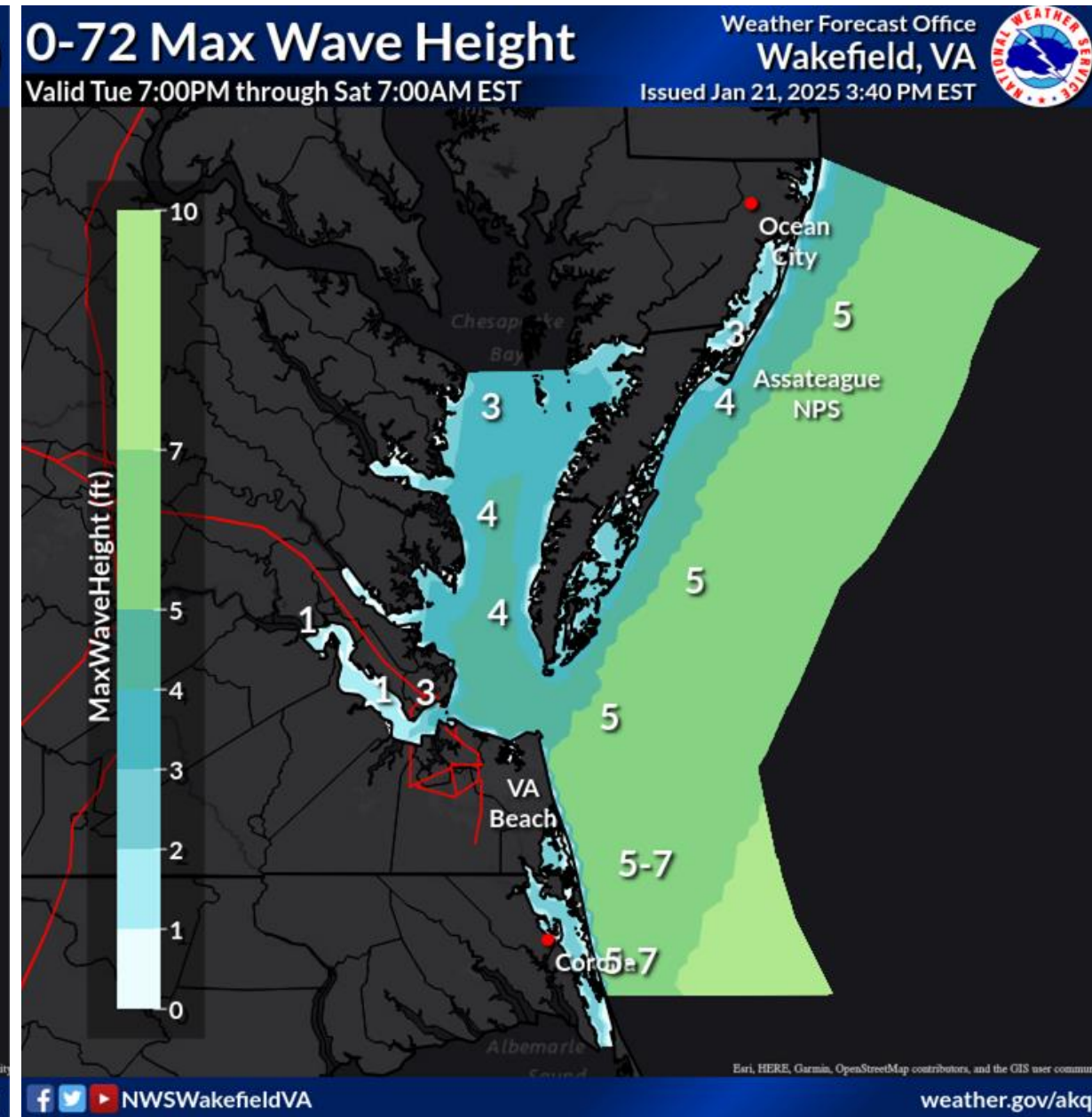
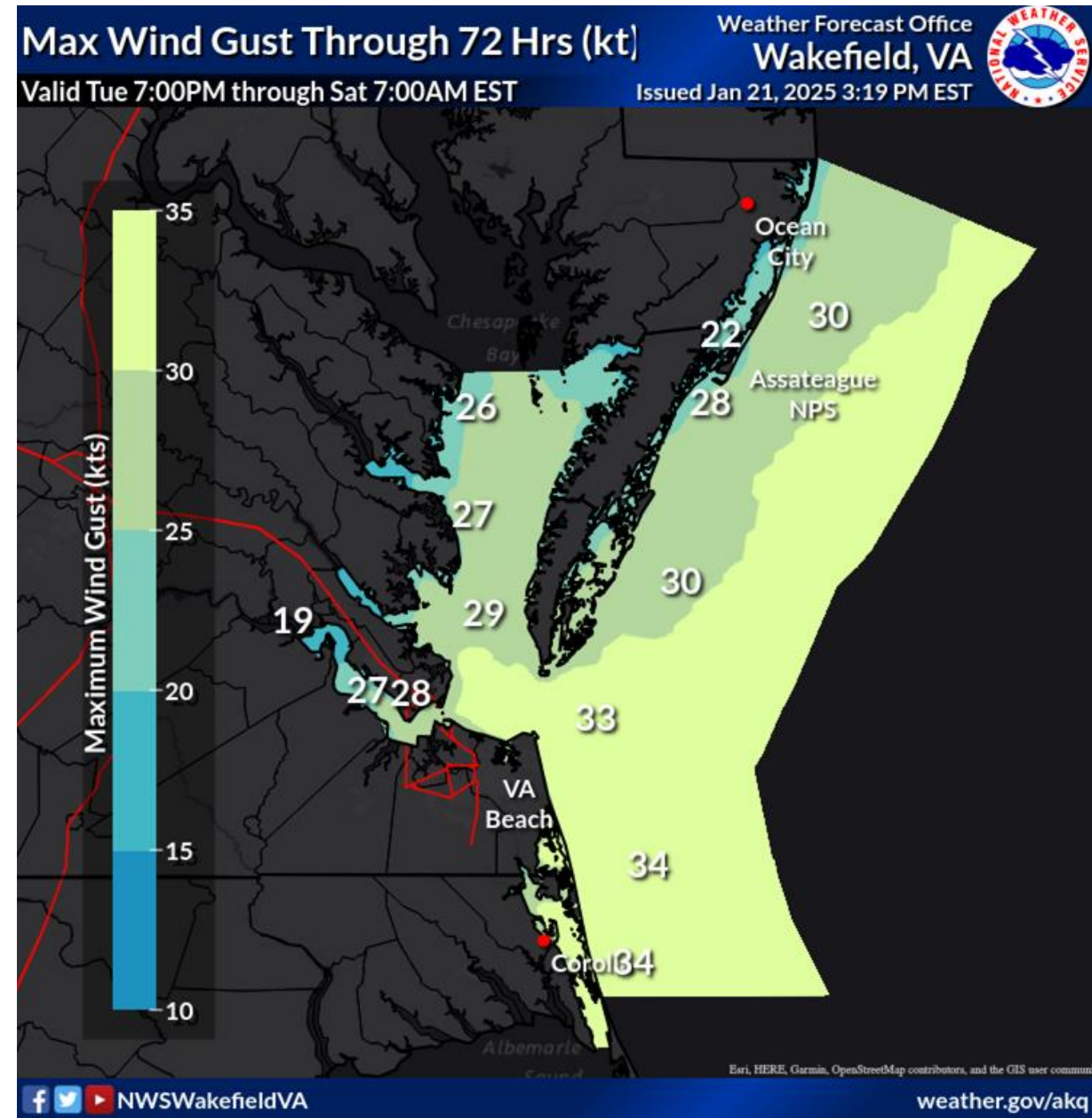
Small Craft Advisories will go into effect tonight for the Ches Bay, Lower James River, Currituck Sound and coastal waters south of Parramore Island.





Marine Threat Potential

January 21, 2025
4:00 PM



Key Points:

- Small Craft Advisories in effect tonight into Wednesday morning.
- Light to potentially moderate freezing spray is likely each night from tonight through Wednesday night.

For Port specific forecast information visit: https://www.weather.gov/akq/dss_port



Freezing Spray Advisory

January 21, 2025
4:00 PM

In Effect Through Wednesday Morning

FREEZING SPRAY ADVISORY



WHAT: Light to moderate icing accumulation on vessels from freezing spray



WINDS: N to NW 15-25 kt, Gusts to up to 30 Kt over the lower Chesapeake Bay and Atlantic Coastal Waters.



WHERE: Chesapeake Bay from Smith Point to the Mouth of Chesapeake Bay, the York, James, and Rappahannock Rivers, and Atlantic Coastal Waters from Fenwick Island, DE to Cape Charles, VA

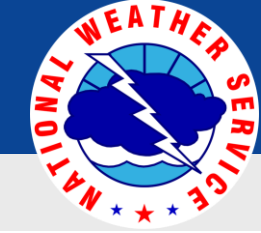


WHEN: Tonight through Wednesday morning.



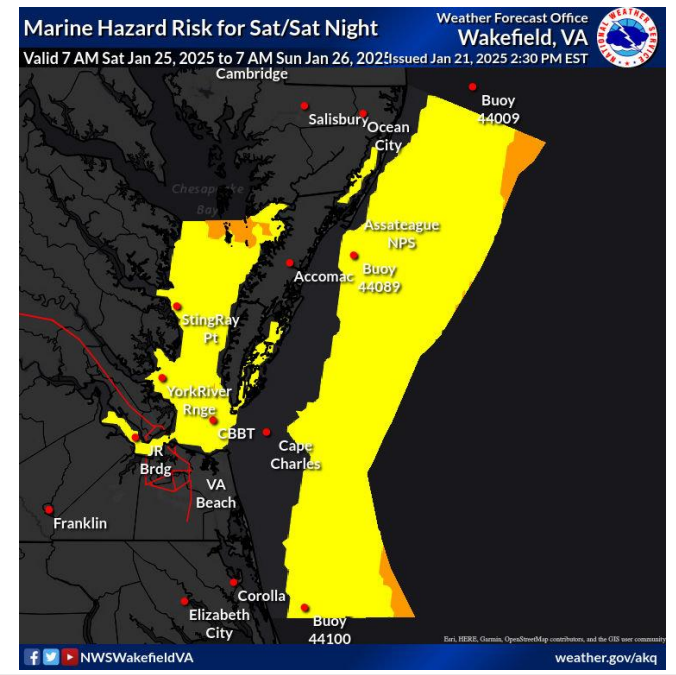
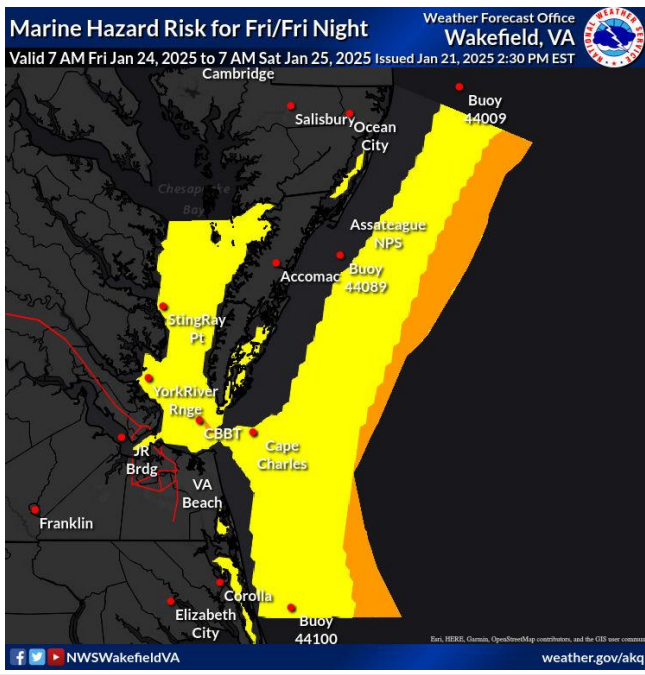
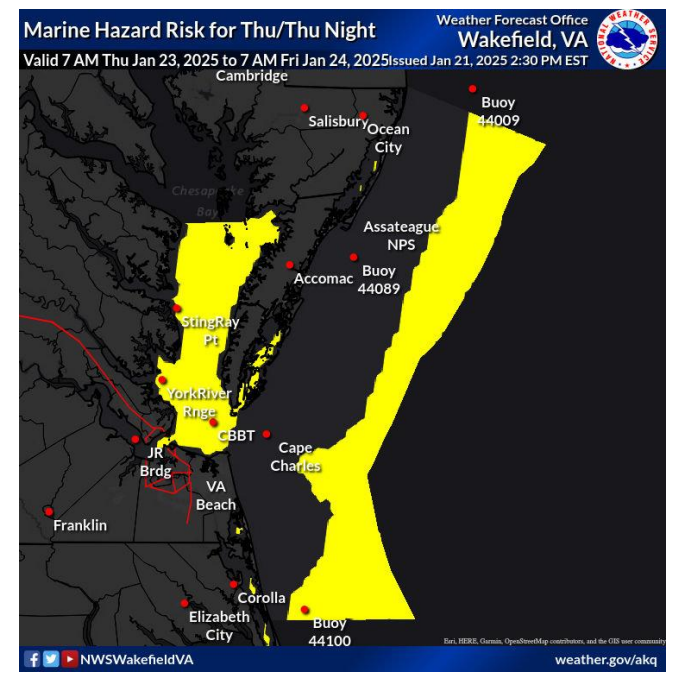
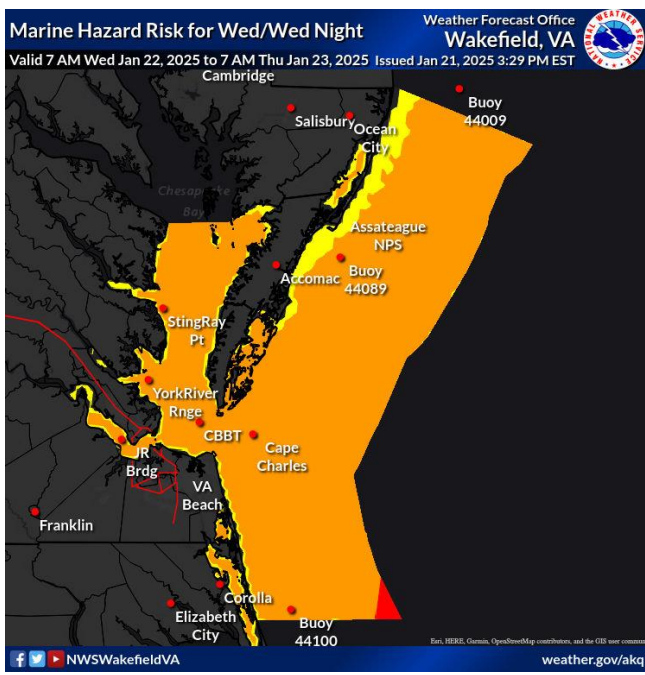
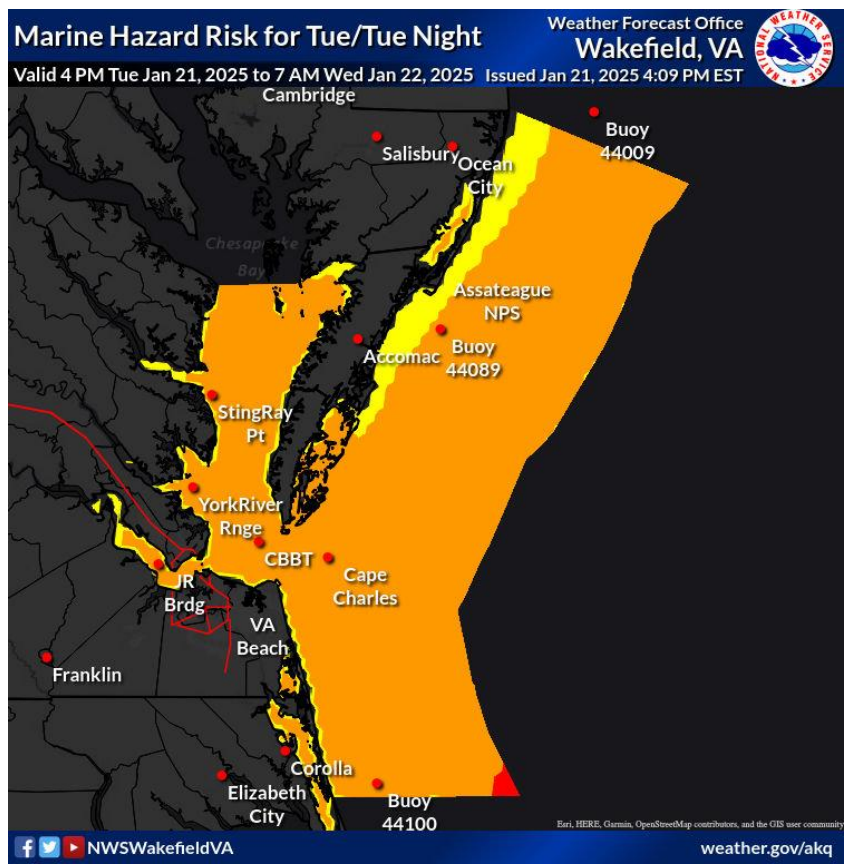
IMPACTS: Freezing spray may damage electronic equipment and can reduce vessel stability





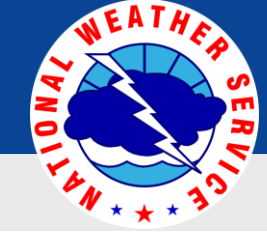
Marine Threat Potential - Next 5 Days

January 21, 2025
4:00 PM



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





Marine Forecast Summary

January 21, 2025
4:00 PM

Maximum Wind Gust Forecast (knots)

	1/21 Tue		1/22 Wed						1/23 Thu						
	6pm	9pm	12am	3am	6am	9am	12pm	3pm	6pm	9pm	12am	3am	6am	9am	12pm
	CBBT	18↓	20↓	23↓	26↓	29↓	27↓	23↓	18↓	16↓	13↓	12↓	11↓	12↓	13↓
Cape Henry	19↓	21↓	25↓	28↓	30↓	27↓	23↓	19↓	15↓	13↓	12↓	12↓	13↓	14↓	14↓
Chesapeake Light	21↓	23↓	26↓	29↓	30↓	28↓	23↓	19↓	16↓	14↓	12↓	12↓	14↓	15↓	16↓
Chincoteague Shoal	15↓	18↓	22↓	24↓	25↓	22↓	18↓	14↓	11↓	9↓	8↓	9↓	10↓	11↓	11↓
Duck, NC	22↓	24↓	27↓	30↓	32↓	28↓	24↓	21↓	17↓	14↓	12↓	12↓	13↓	14↓	14↓
Fenwick Shoal	16↓	19↓	21↓	23↓	23↓	22↓	20↓	15↓	10↓	6↓	6↓	7↓	8↓	10↓	12↓
HRBT	17↓	17↓	20↓	23↓	26↓	23↓	20↓	17↓	14↓	11↓	9↓	9↓	10↓	12↓	11↓
JRB	16↓	17↓	20↓	23↓	25↓	22↓	18↓	15↓	13↓	10↓	9↓	9↓	9↓	10↓	10↓
New Point Comfort	15↓	16↓	20↓	24↓	25↓	23↓	19↓	15↓	13↓	10↓	9↓	9↓	9↓	10↓	10↓
Parramore Banks	16↓	18↓	22↓	25↓	26↓	22↓	17↓	13↓	11↓	9↓	8↓	8↓	9↓	11↓	11↓
Rappahannock Light	14↓	16↓	18↓	23↓	25↓	22↓	18↓	14↓	11↓	8↓	7↓	7↓	8↓	9↓	9↓
Tangier	13↓	15↓	19↓	23↓	23↓	21↓	18↓	13↓	10↓	8↓	7↓	8↓	8↓	9↓	9↓
Thimble Shoal	17↓	19↓	23↓	27↓	29↓	26↓	22↓	18↓	15↓	13↓	11↓	11↓	11↓	12↓	12↓

Wave Height Forecast (feet)

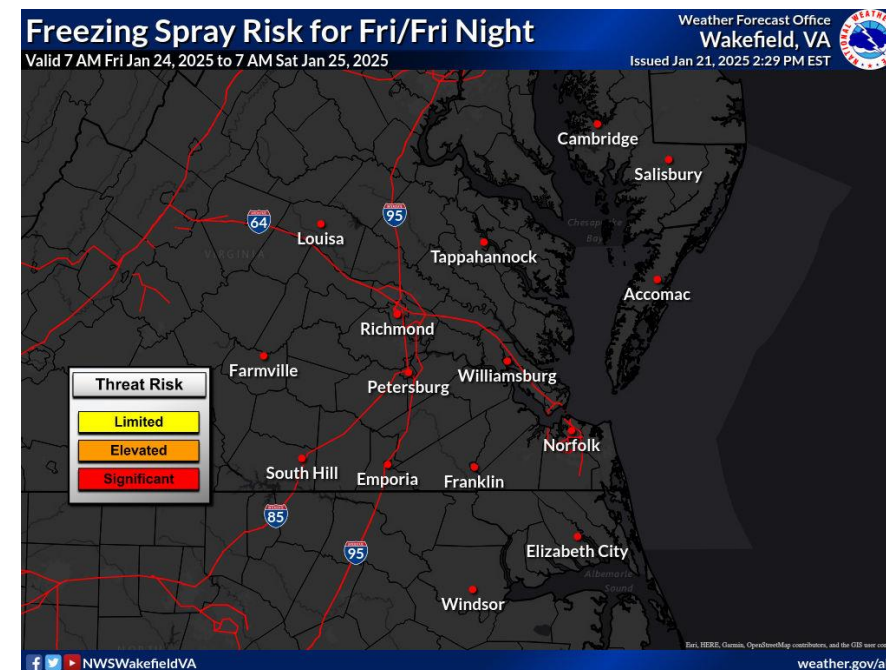
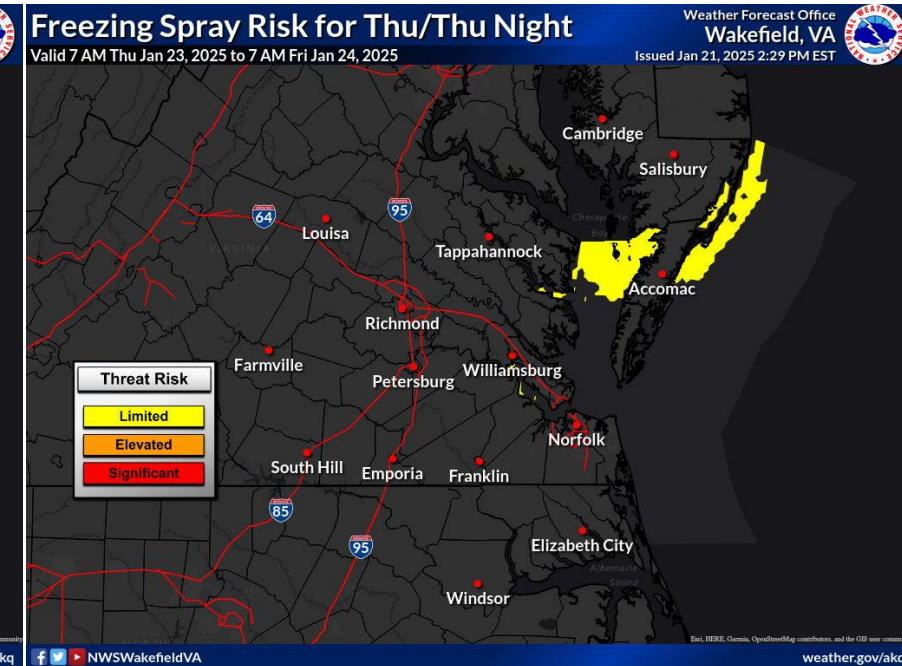
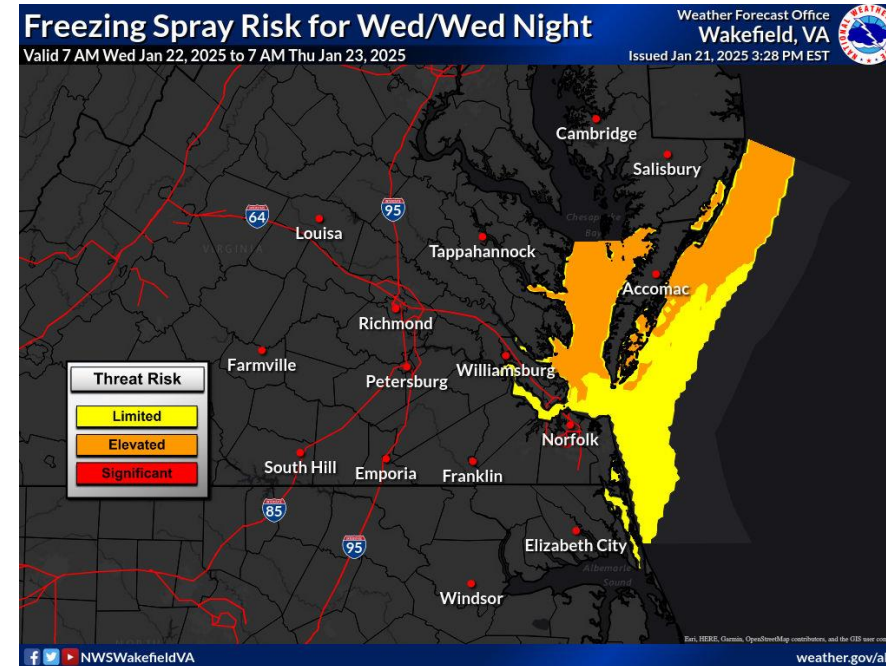
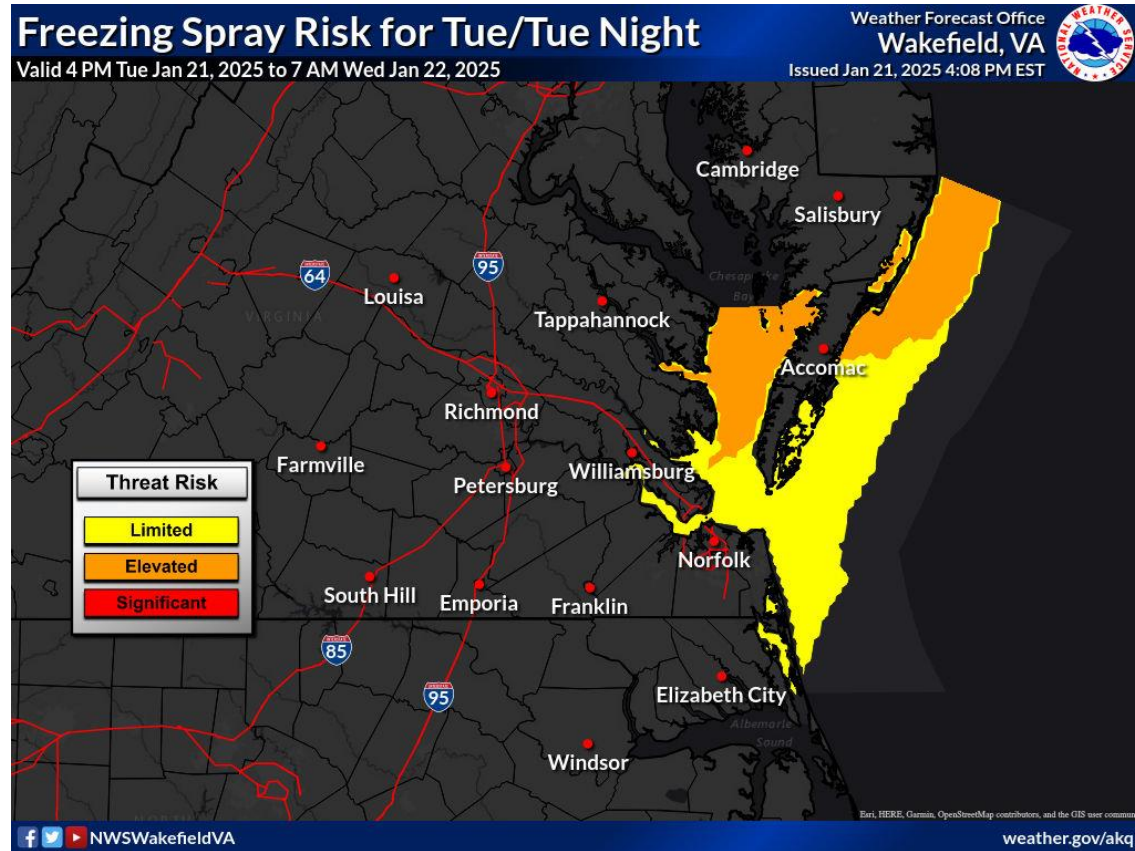
	1/21 Tue		1/22 Wed				1/23 Thu			
	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	
	CBBT	2.0	4.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0
Cape Henry	3.0	4.0	5.0	4.0	3.0	3.0	2.0	2.0	3.0	
Chesapeake Light	4.0	5.0	6.0	5.0	4.0	3.0	3.0	3.0	3.0	
Chincoteague Shoal	2.0	4.0	4.0	3.0	2.0	2.0	2.0	2.0	3.0	
Duck, NC	4.0	5.0	6.0	5.0	4.0	3.0	3.0	3.0	3.0	
Fenwick Shoal	2.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	
HRBT	2.0	3.0	3.0	2.0	2.0	1.0	1.0	1.0	1.0	
JRB	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
New Point Comfort	2.0	3.0	3.0	3.0	2.0	1.0	1.0	1.0	1.0	
Parramore Banks	3.0	4.0	4.0	4.0	3.0	2.0	2.0	2.0	3.0	
Rappahannock Light	2.0	3.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	
Tangier	2.0	3.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	
Thimble Shoal	2.0	4.0	4.0	3.0	2.0	1.0	1.0	1.0	2.0	





Freezing Spray Potential

January 21, 2025
4:00 PM



Limited	Light Freezing Spray Expected.
Elevated	Moderate Freezing Spray Expected.
Significant	Heavy Freezing Spray Expected.





Key Messages

January 21, 2025

4:00 PM

- **Winter Storm Warnings** are now in effect across most of northeast NC, including the northern Outer Banks, as well as southside Hampton Roads, including Norfolk and Va Beach. Overall model confidence and snow has increased over this area, with 3-5" of snow forecast tonight into Wednesday AM. Locally higher amounts will be possible. **Winter Weather Advisories** are in effect for much of the remainder of southeast VA into interior northeast NC, where 1-3" of snow is expected. A light accumulation of snow (<1") is also possible across the rest of central/eastern VA and the MD eastern shore.
- **Remaining very cold through midweek.** Daily highs Wednesday will again be in the 20s, with early morning lows in the single digits to mid teens. **Prepare now for minimum wind chills as low as 5 to 10 above in the south and near to occasionally below zero across the north each night through Wednesday night/early Thursday.**
- **Marine Weather** - A Freezing Spray Advisory is in effect through Wednesday morning, with light to moderate freezing spray expected. Small Craft Advisories are in effect tonight into Wednesday morning.





Contact and Next Briefing Information

January 21, 2025
4:00 PM

For NWS Wakefield, Virginia



Briefing Webpage

→ [NWS Wakefield Briefing](#)



Next Briefing by 8 AM Wednesday, Jan 22



Disclaimer

Information contained in this briefing is time-sensitive

→ See www.weather.gov/akq for the latest information



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