



# Weekly Impact Weather Briefing

December 23, 2024  
7:53 AM

Prepared by National Weather Service Wakefield, VA

## Weekly Impact Weather Briefing

- Covering the period Monday through Sunday  
December 23-29, 2024
- Updated Every Monday (or Tuesday following a Federal  
Holiday)

### Disclaimer:

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





# Highlights

December 23, 2024  
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- Generally dry through the week with the exception of light rain in the southeast on Tuesday. Low accumulations of freezing rain are possible for interior portions of the southeast Tuesday morning.
- Next chance for widespread rain will be late this weekend.
- Temperatures follow a gradual warming trend through the week with above-normal temperatures expected this weekend into next week.
- **Marine** - Sub-Small Craft Advisory conditions expected through this week.

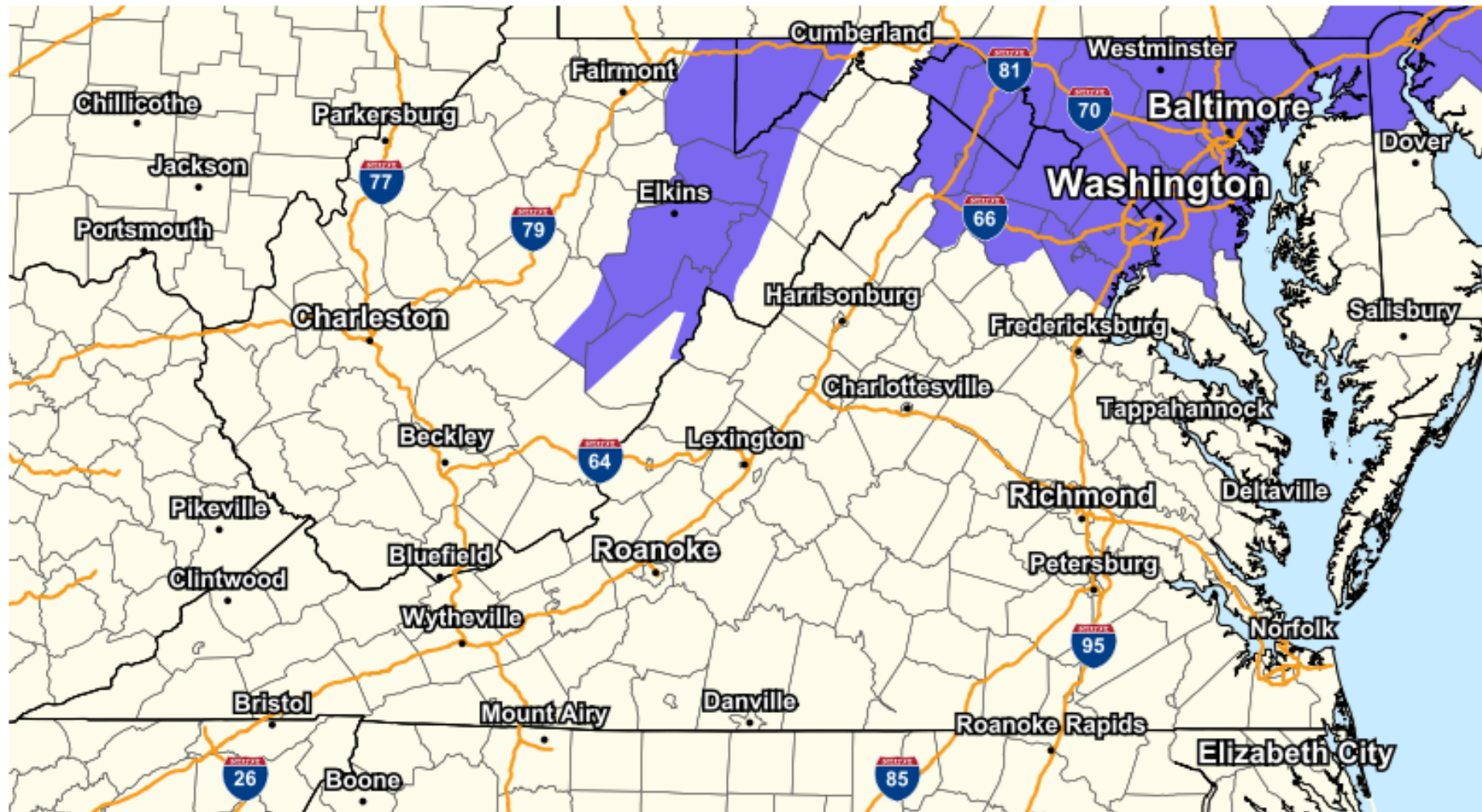


# Current Advisory In Effect

December 23, 2024  
7:53 AM



## Current Watches, Warnings, and Advisories



Graphic Created  
December 23rd, 2024  
7:35 AM EST

## Key Points:

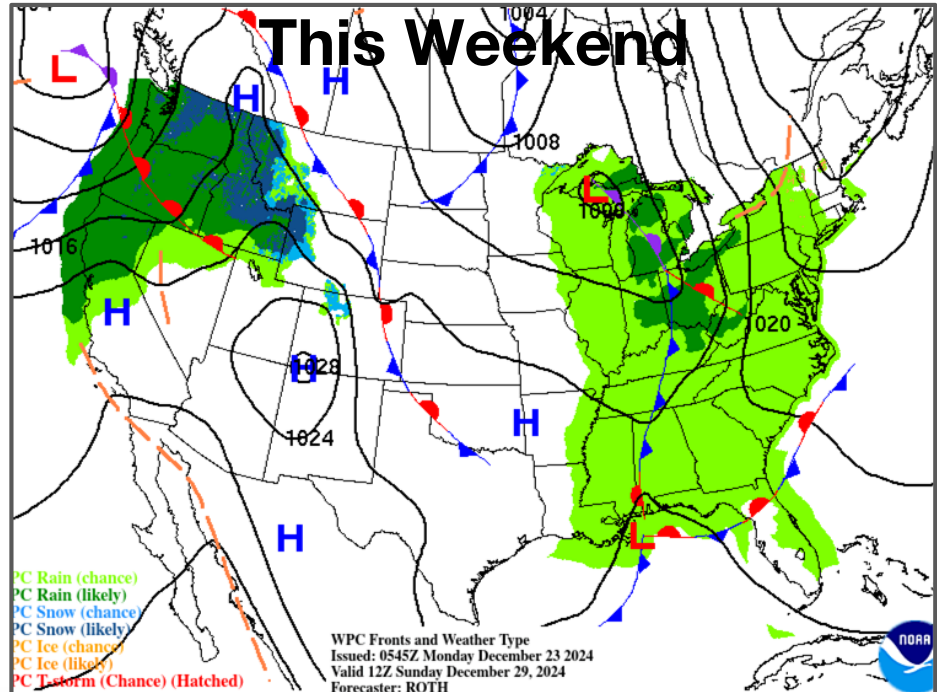
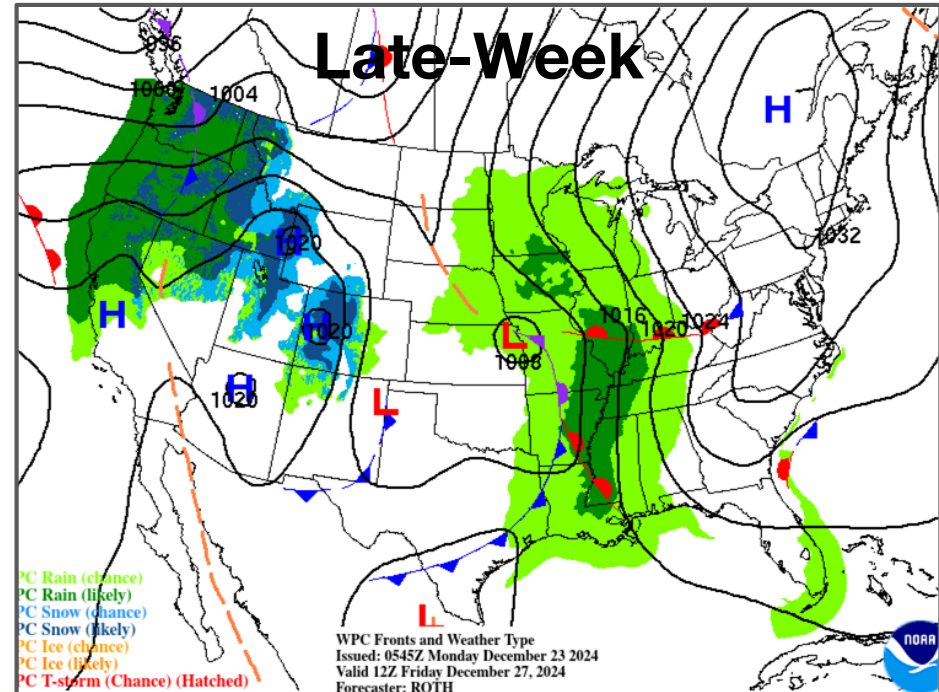
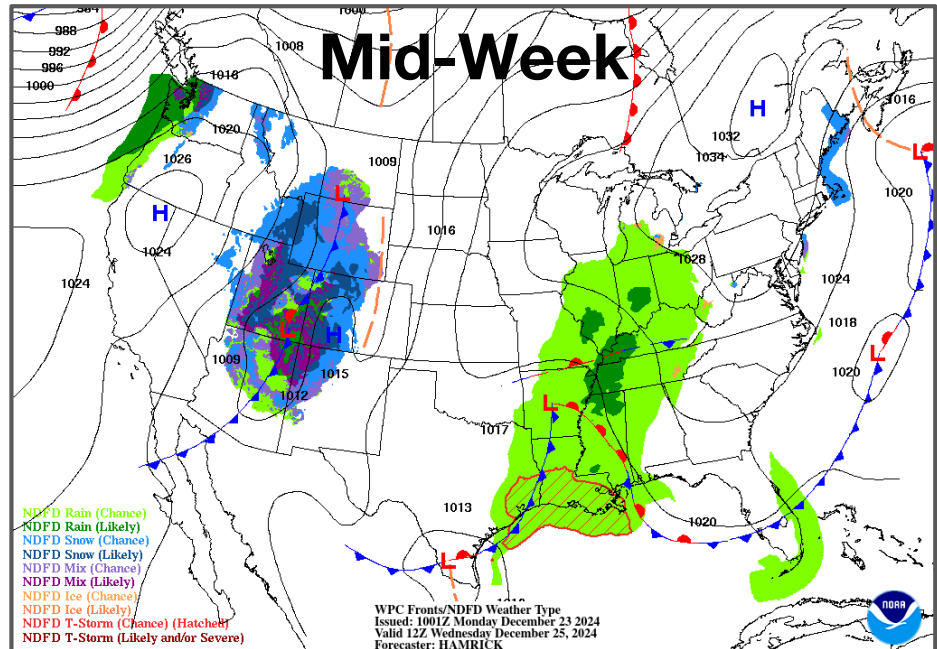
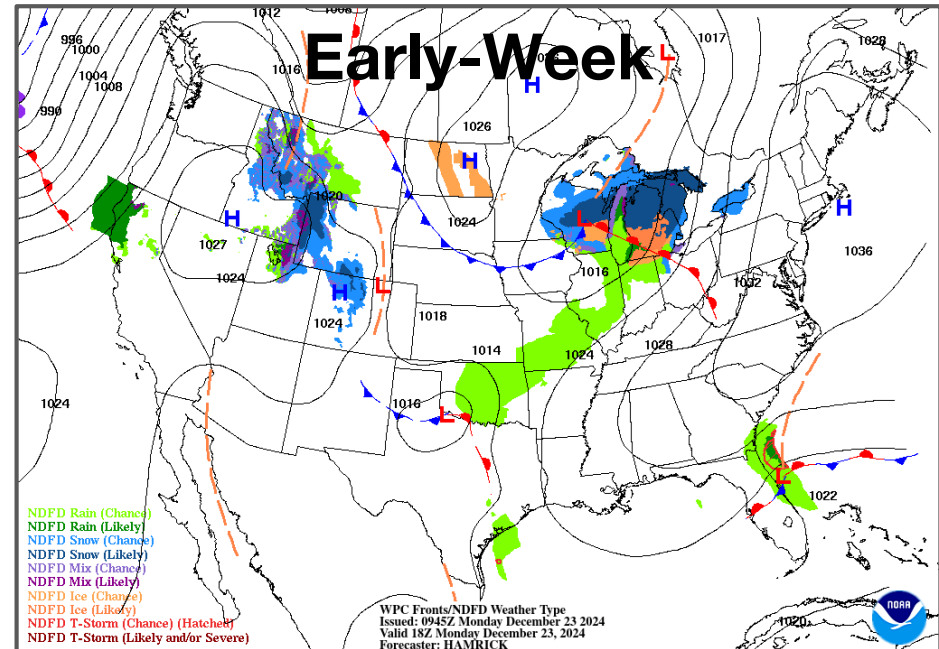
- A Winter Weather Advisory is in effect for northern VA for the morning of Dec 24th.
- A period of light freezing rain is expected across northern VA from 4am to 10 am Tuesday.
- Temperatures should warm to above freezing after 10 am.
- Advisories may change with later forecast updates so please keep updated at [weather.gov](http://weather.gov).





# This Week's Weather Pattern

December 23, 2024  
7:53 AM



## Key Points:

- Overall dry pattern in place with high pressure in control for most of the week
- Weak low pressure off the Carolina coast will bring precip chances to southeastern portions of the area on Tuesday.



# Expected Rainfall Through 72 Hours

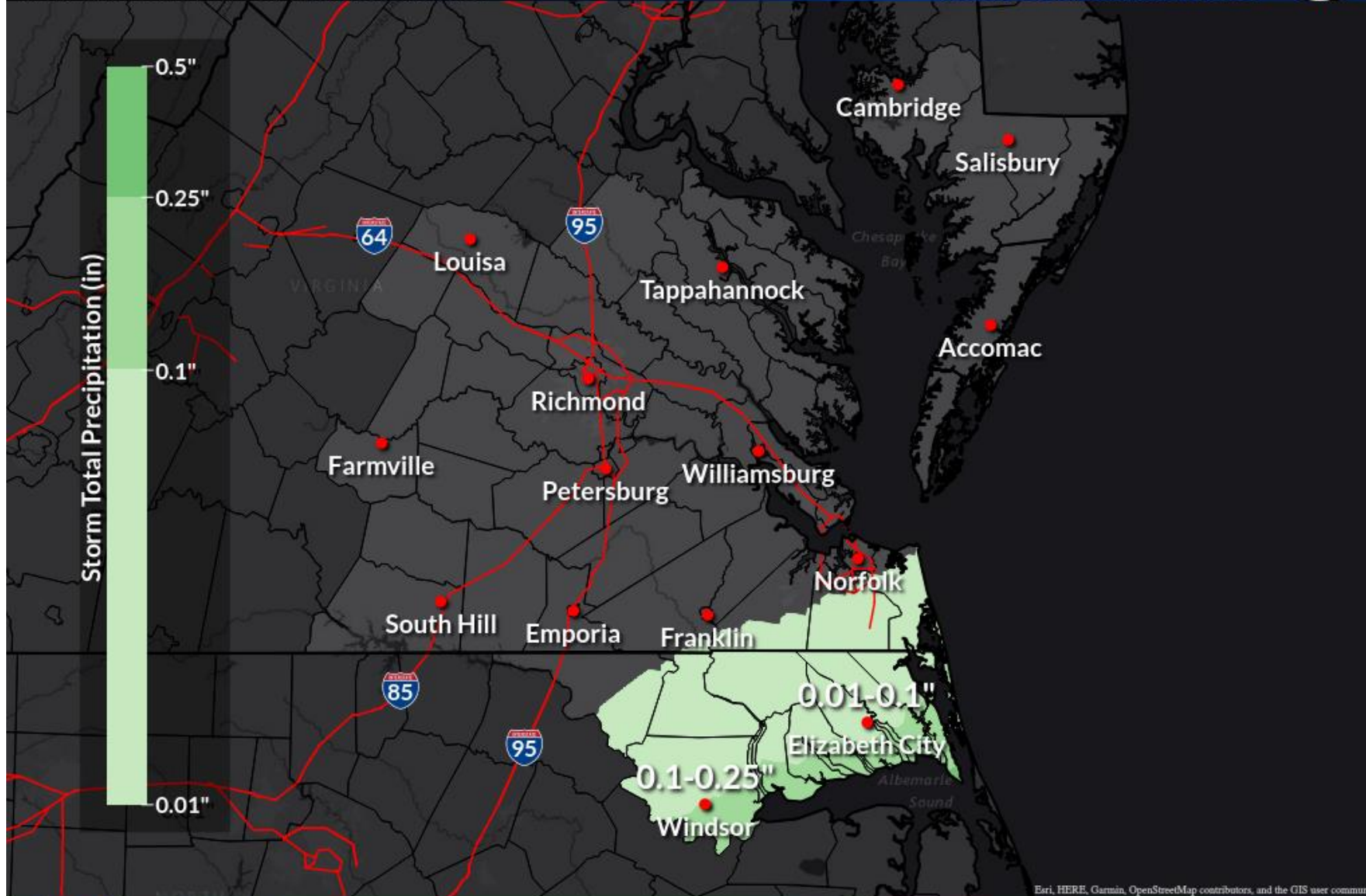
December 23, 2024  
7:53 AM

## Rain Totals Through 72 Hrs

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

Weather Forecast Office  
Wakefield, VA

Issued Dec 23, 2024 7:40 AM EST



## Key Points:

- Light rain expected in the southeast on Tuesday.

NWSWakefieldVA

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



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

National Weather Service  
Wakefield, VA



# Accumulated Precipitation Forecasts

December 23, 2024  
7:53 AM

## Monday - Wednesday

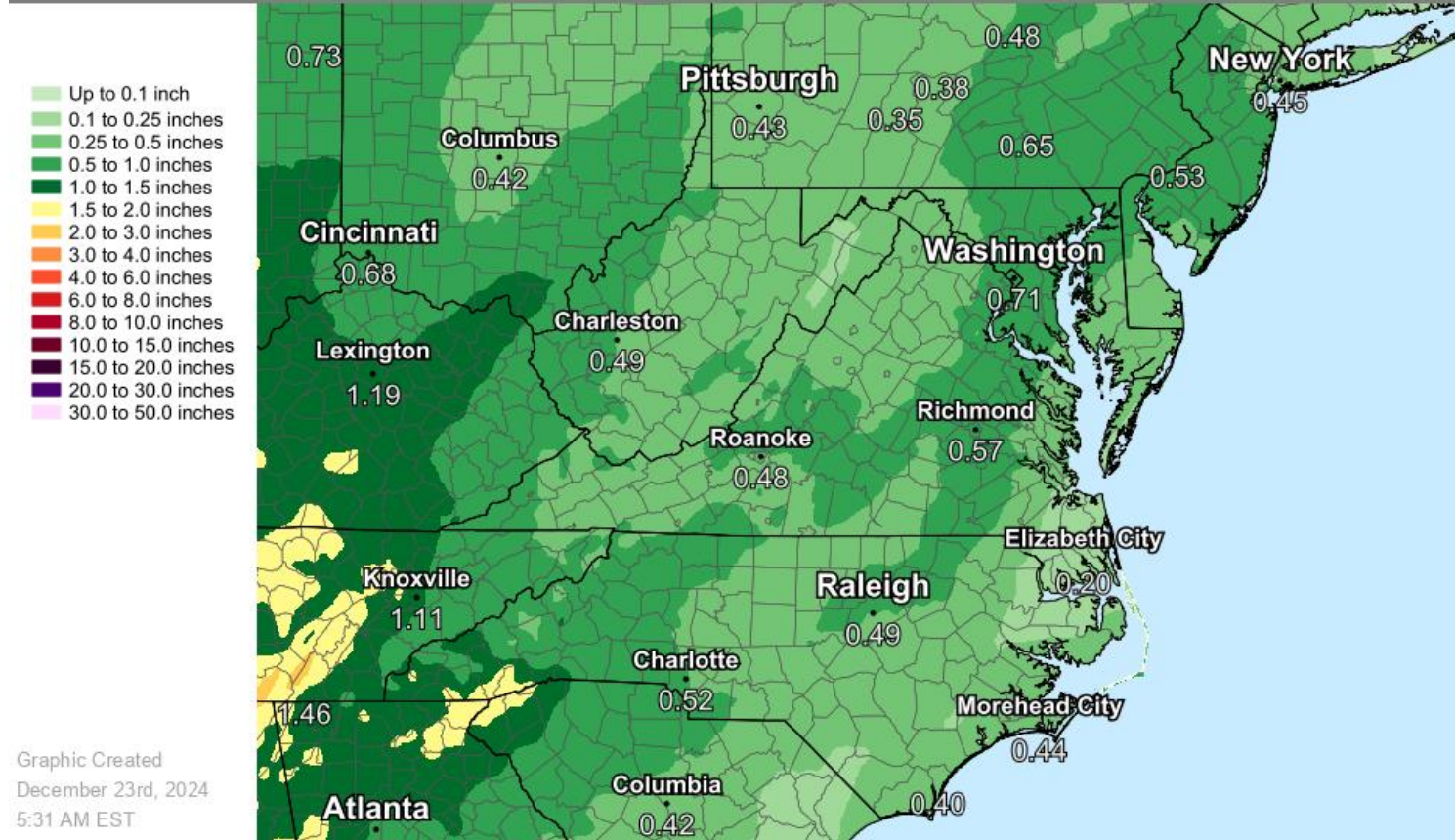
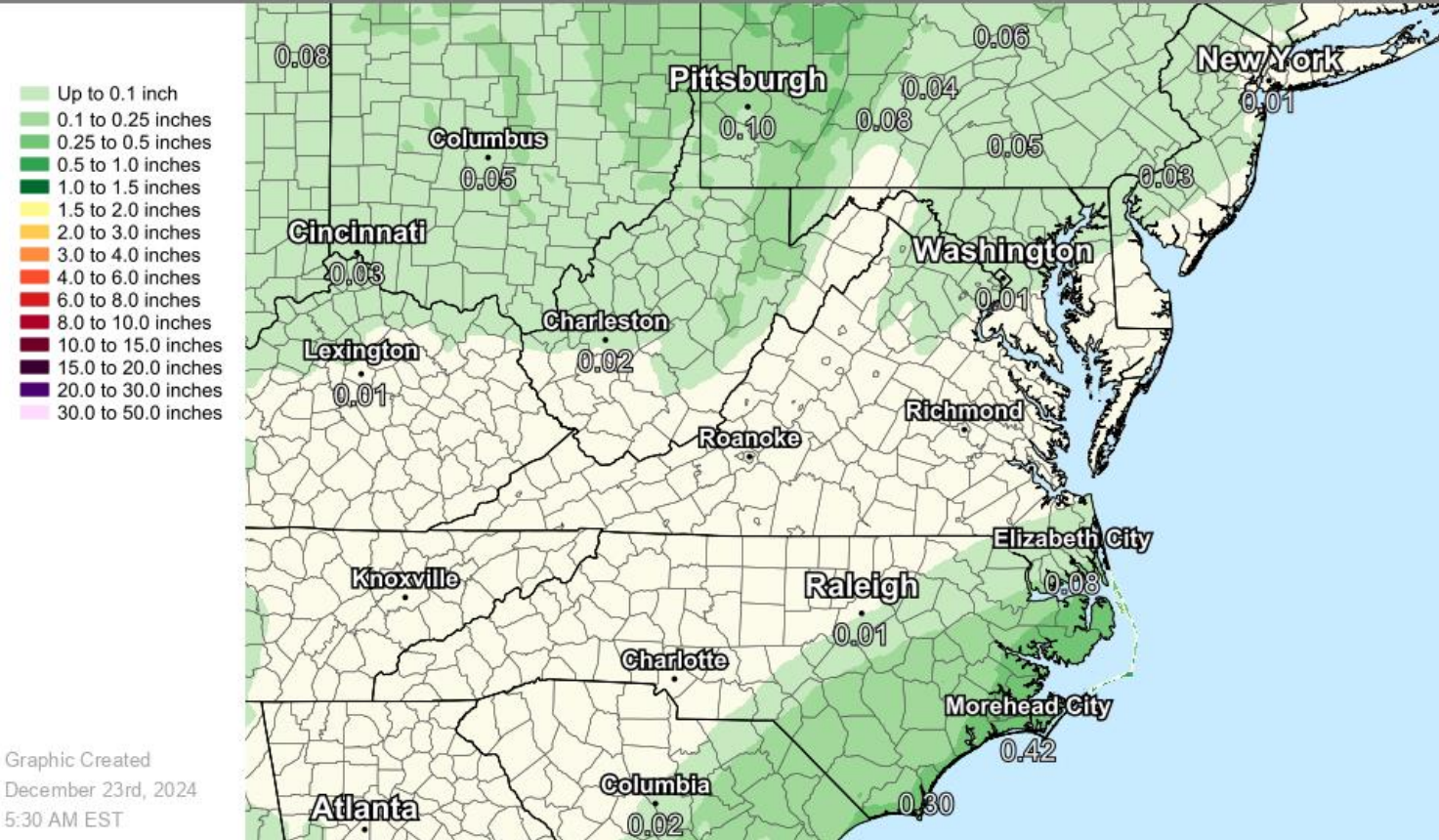
## Thursday - Sunday

### Forecast Precipitation

### Forecast Precipitation

Valid Ending Thursday December 26th, 2024 at 1 AM EST

Valid Ending Monday December 30th, 2024 at 1 AM EST

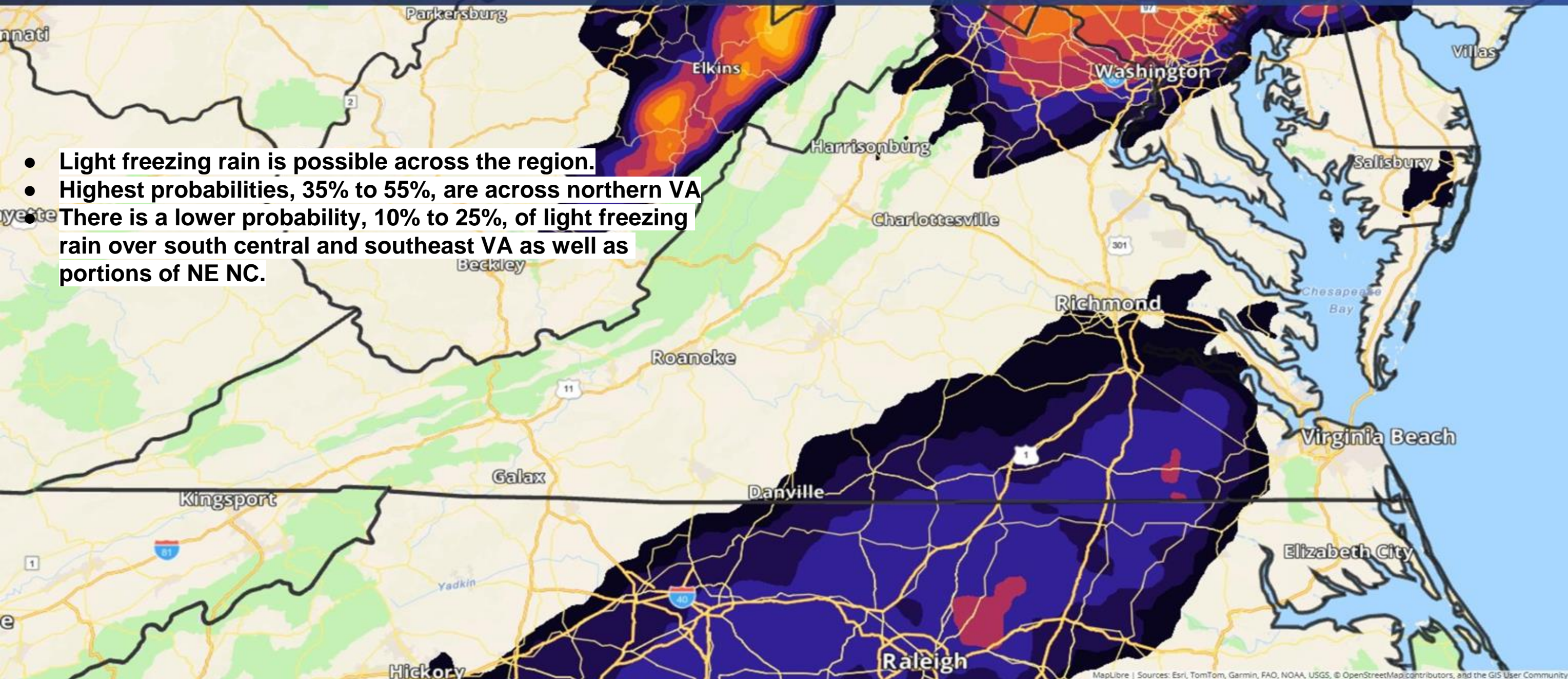
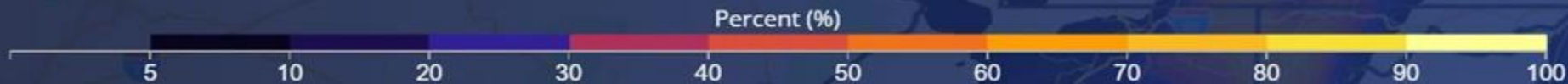


- Mostly dry through this week with the exception of light rain in the southeast Tuesday.
- Additional rain chances this weekend.

# Probability Of ANY Light Freezing Rain

Tue, Dec 24, 2024, 12 pm EST

Issued: Mon, Dec 23, 2024, 8 am EST



- Light freezing rain is possible across the region.
- Highest probabilities, 35% to 55%, are across northern VA
- There is a lower probability, 10% to 25%, of light freezing rain over south central and southeast VA as well as portions of NE NC.

MapLibre | Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community



# Expected Ice Through 72 Hours

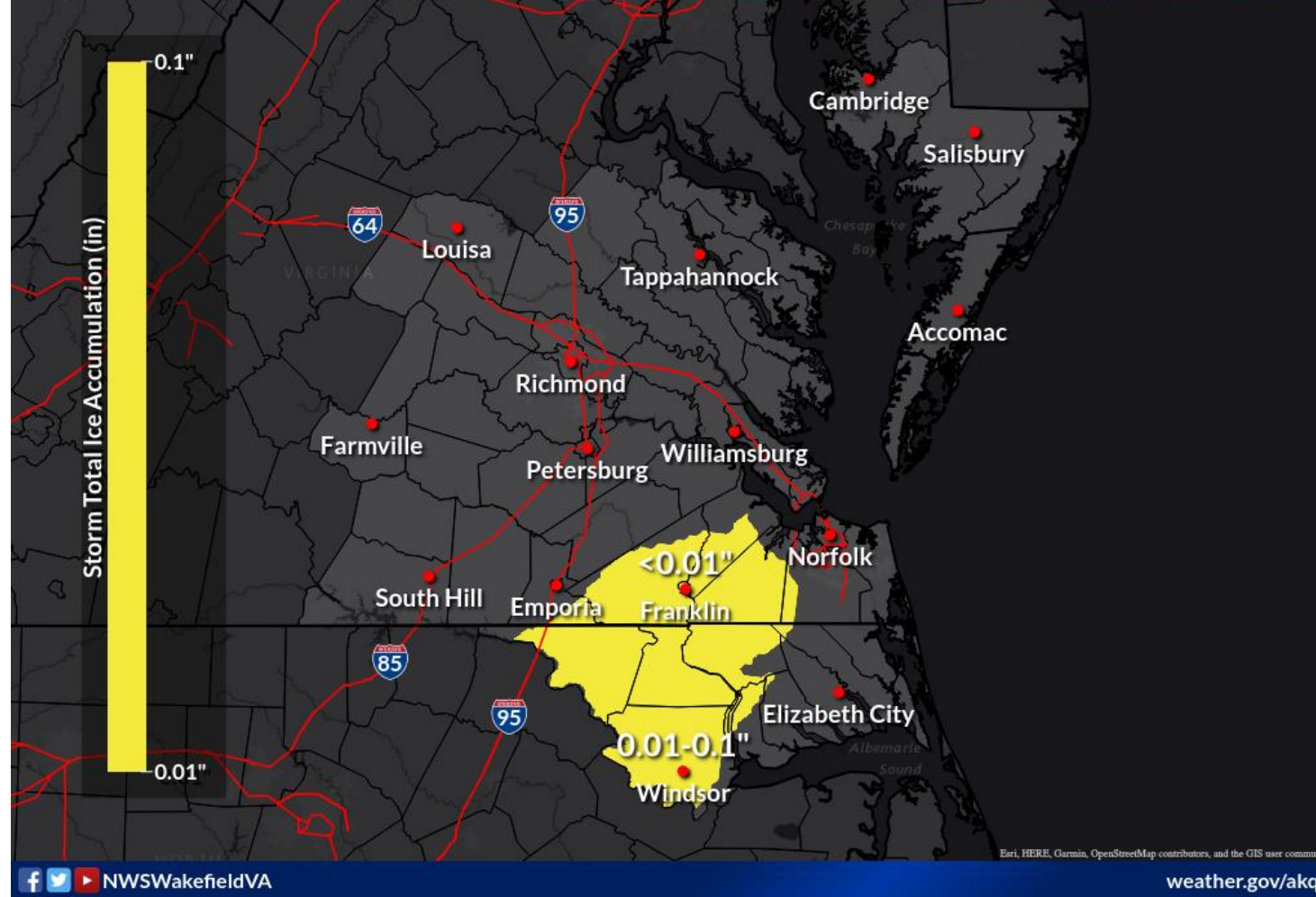
December 23, 2024  
7:53 AM

## Ice Totals Through 72 Hrs

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

Weather Forecast Office  
Wakefield, VA

Issued Dec 23, 2024 7:40 AM EST

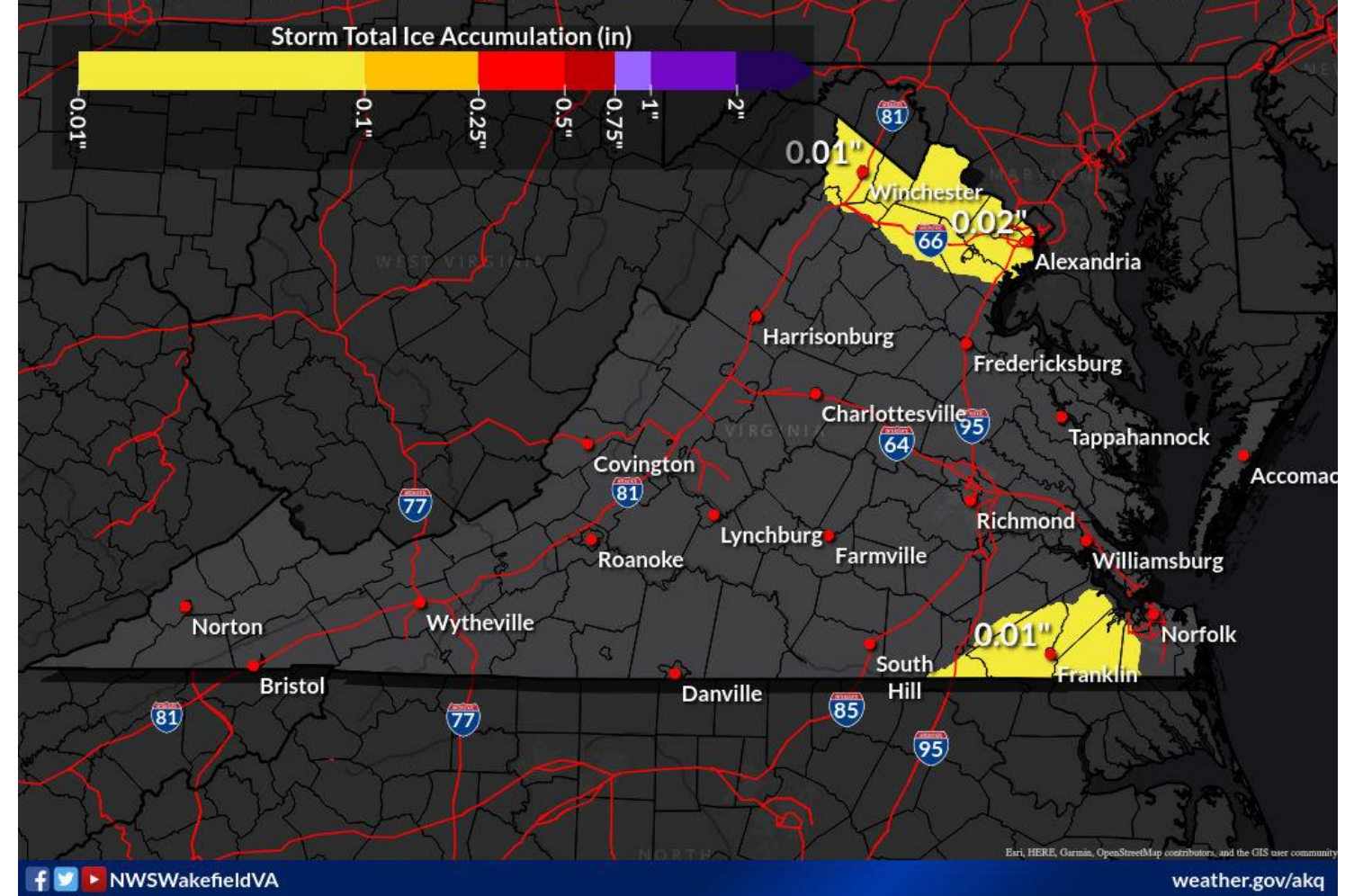


## Expected Ice Accumulation - Official NWS Forecast

Valid 7 AM Mon Dec 23, 2024 through 7 AM Thu Dec 26, 2024 EST

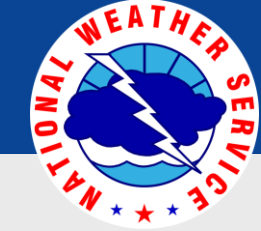
Weather Forecast Office  
Wakefield, VA

Issued Dec 23, 2024 3:17 AM EST



- Light freezing rain/drizzle possible Tuesday morning for the interior southeast and northern Virginia



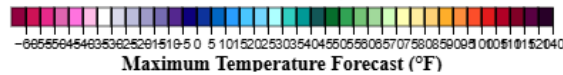


# Regional Forecast Summary

December 23, 2024  
7:53 AM

## Maximum Temperature Forecast (°F)

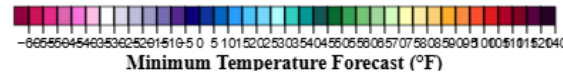
	12/23	12/24	12/25	12/26	12/27	12/28	12/29
	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Accomac	38	46	46	46	49	52	56
Ahoskie	43	46	50	50	53	59	61
Bowling Green	38	45	45	44	48	51	54
Cambridge	36	44	44	43	48	50	54
Cape Charles	40	45	45	45	47	51	55
Corolla	46	48	49	49	51	55	57
Deltaville	38	47	46	45	48	53	56
Edenton	45	48	50	52	54	59	62
Elizabeth City	44	48	50	52	55	59	62
Emporia	42	47	49	49	52	57	59
Farmville	40	49	47	47	48	52	54
Hampton / Newport News	40	47	48	47	50	54	58
Louisa	37	46	45	45	46	50	52
Norfolk / Portsmouth	41	48	48	48	50	55	59
Ocean City	37	46	44	43	47	50	53
Petersburg	41	48	48	48	50	56	58
Richmond	40	47	47	47	49	54	57
Salisbury	37	45	45	44	49	52	56
South Hill	41	49	49	49	51	56	59
Suffolk	42	47	50	49	52	57	60
Tappahannock	38	45	45	45	48	52	56
Virginia Beach	42	48	47	48	50	54	57
Williamsburg	40	48	48	47	50	55	59



Created: 8 am EST Mon 12/23/2024 | Values are maximums over the period beginning at the time shown.

## Minimum Temperature Forecast (°F)

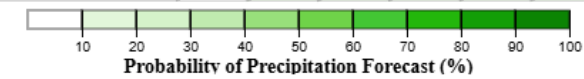
	12/23	12/24	12/25	12/26	12/27	12/28	12/29
	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Accomac	17	31	30	30	30	36	41
Ahoskie	17	24	30	31	33	38	43
Bowling Green	15	23	28	28	28	33	38
Cambridge	14	25	28	29	29	34	40
Cape Charles	23	36	37	37	39	41	45
Corolla	31	40	44	44	46	49	49
Deltaville	20	25	32	32	34	37	42
Edenton	23	30	34	34	37	40	45
Elizabeth City	22	29	35	35	37	41	45
Emporia	16	22	26	29	29	35	40
Farmville	14	22	26	29	29	34	39
Hampton / Newport News	23	32	37	37	38	41	45
Louisa	13	23	28	28	28	32	38
Norfolk / Portsmouth	26	31	36	37	38	42	45
Ocean City	18	32	31	31	33	36	43
Petersburg	16	23	28	29	29	35	40
Richmond	18	24	29	30	30	35	40
Salisbury	12	24	27	27	27	33	40
South Hill	15	23	27	29	30	36	41
Suffolk	22	27	33	34	35	40	44
Tappahannock	15	23	29	29	30	34	39
Virginia Beach	28	36	39	39	39	45	46
Williamsburg	20	25	31	32	32	37	42



Created: 8 am EST Mon 12/23/2024 | Values are minimums over the period beginning at the time shown.

## Probability of Precipitation Forecast (%)

	12/23	12/24	12/25	12/26	12/27	12/28	12/29	12/30
	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
Accomac	0	15	10	10	10	20	40	40
Ahoskie	0	40	10	10	10	15	40	40
Bowling Green	0	10	10	10	10	20	40	40
Cambridge	0	15	10	10	10	20	40	40
Cape Charles	0	20	10	10	10	20	40	40
Corolla	5	55	25	10	10	20	40	40
Deltaville	0	10	10	10	10	15	40	40
Edenton	5	50	15	10	10	15	40	40
Elizabeth City	5	45	15	10	10	15	40	40
Emporia	0	15	10	10	10	15	40	40
Farmville	0	5	10	10	10	25	40	40
Hampton / Newport News	0	20	10	10	10	15	40	40
Louisa	0	10	10	10	10	25	40	40
Norfolk / Portsmouth	0	30	10	10	10	15	40	40
Ocean City	0	10	10	10	10	20	40	40
Petersburg	0	10	10	10	10	15	40	40
Richmond	0	10	10	10	10	20	40	40
Salisbury	0	10	10	10	10	20	40	40
South Hill	0	15	10	10	10	20	40	40
Suffolk	0	30	10	10	10	15	40	40
Tappahannock	0	10	10	10	10	20	40	40
Virginia Beach	0	35	15	10	10	15	40	40
Williamsburg	0	15	10	10	10	15	40	40



Created: 8 am EST Mon 12/23/2024 | Values are maximums over the period beginning at the time shown.



National Oceanic and Atmospheric Administration

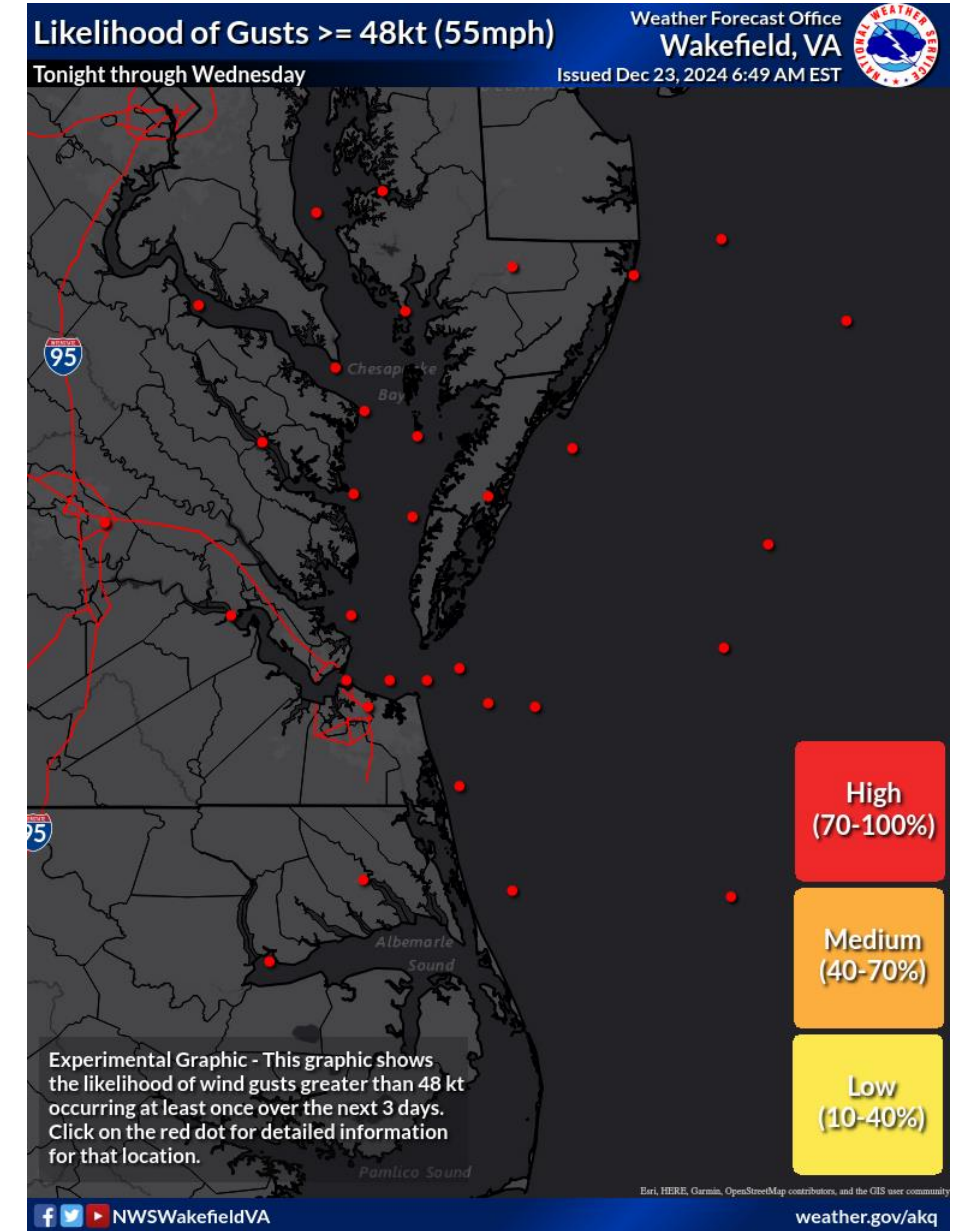
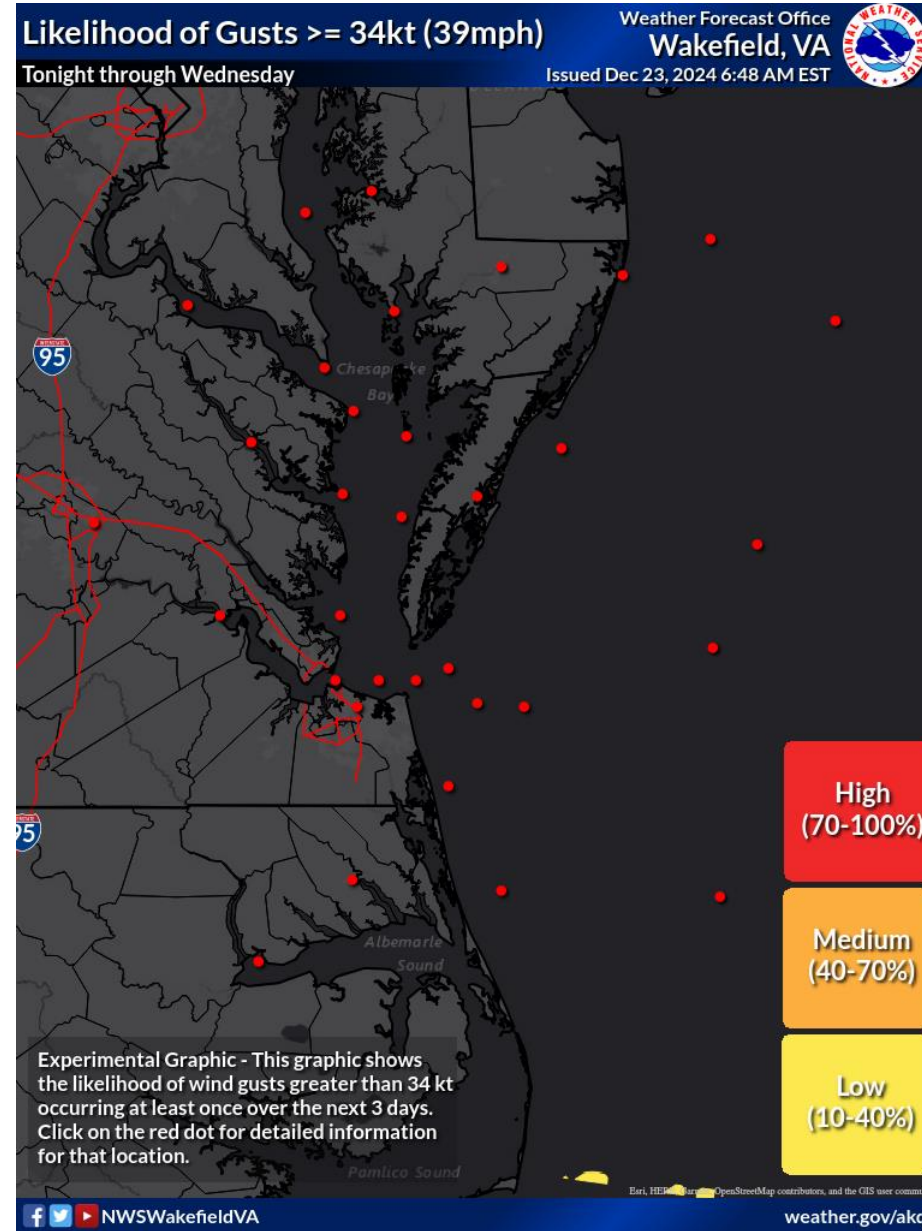
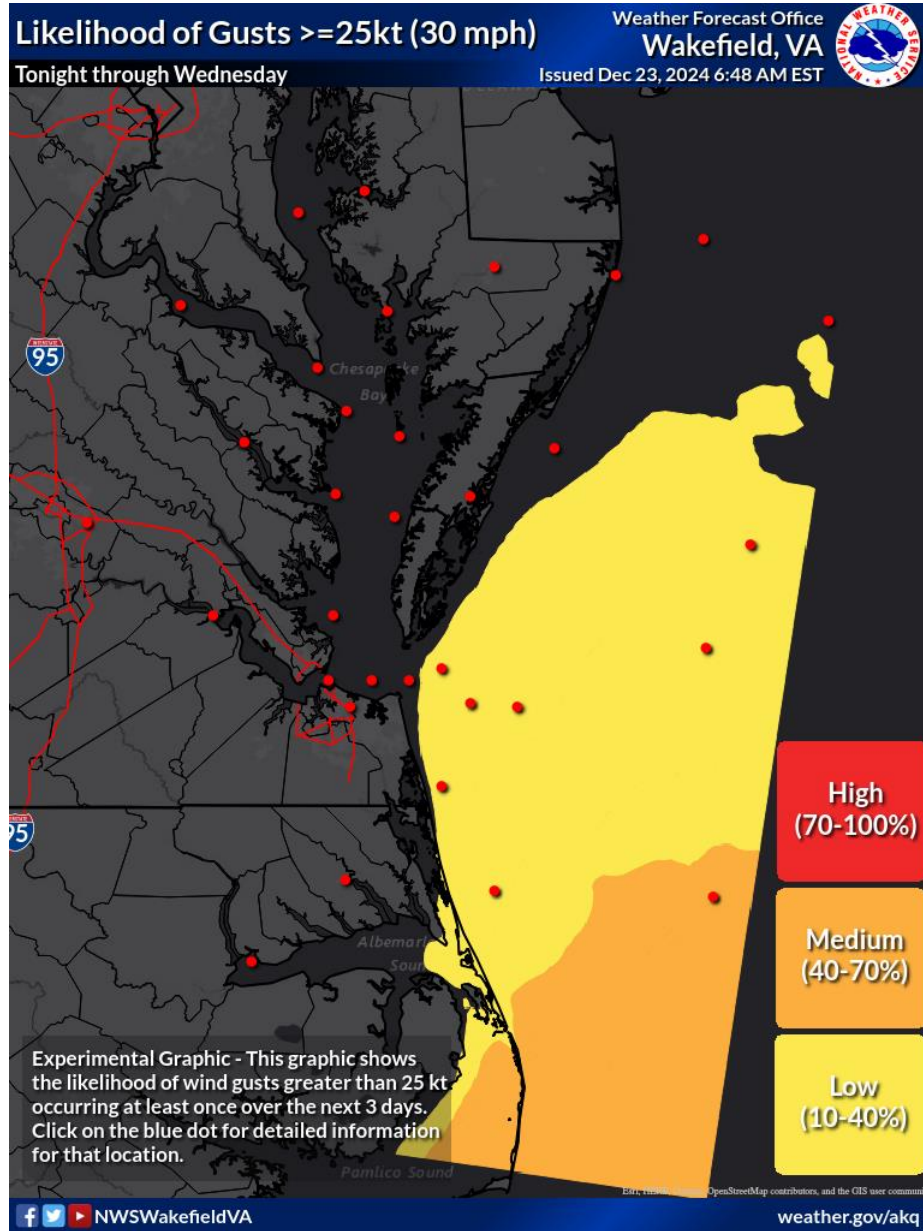
U.S. Department of Commerce

National Weather Service  
Wakefield, VA



# Marine Wind Probabilities

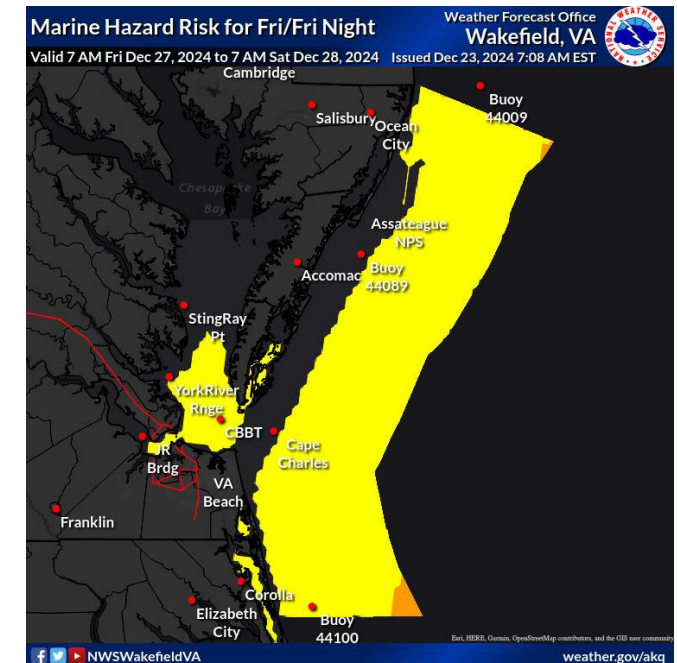
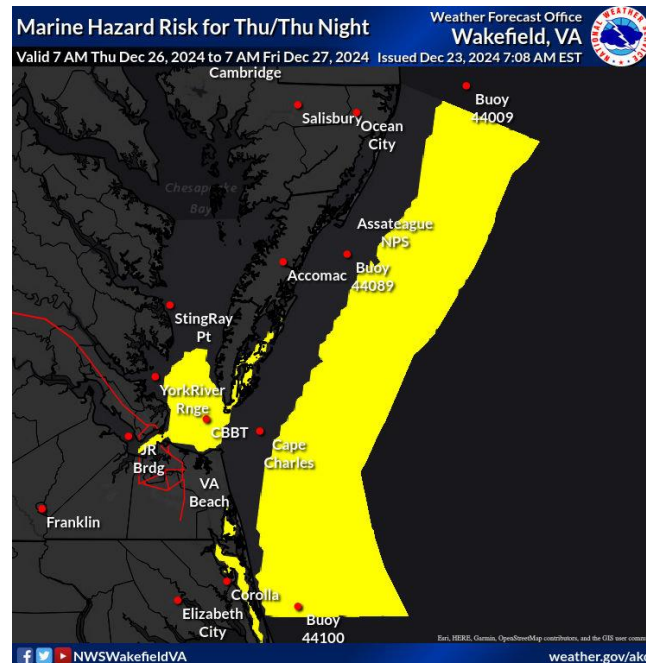
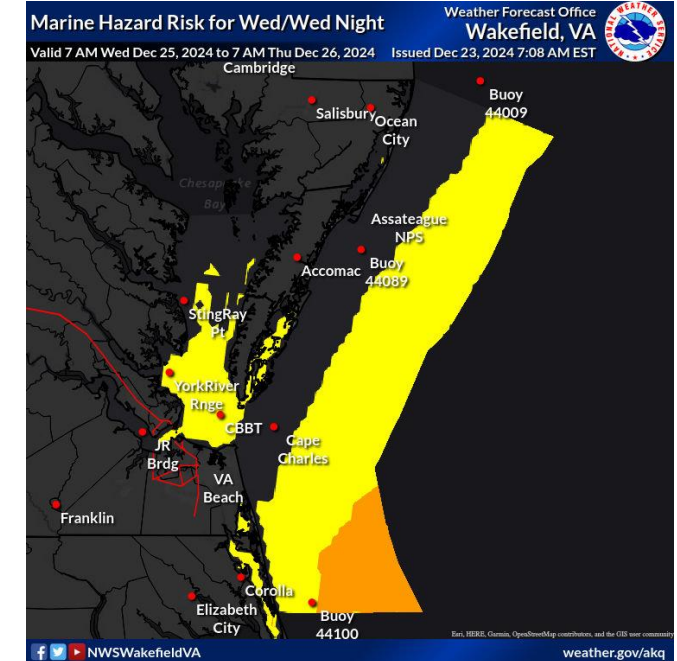
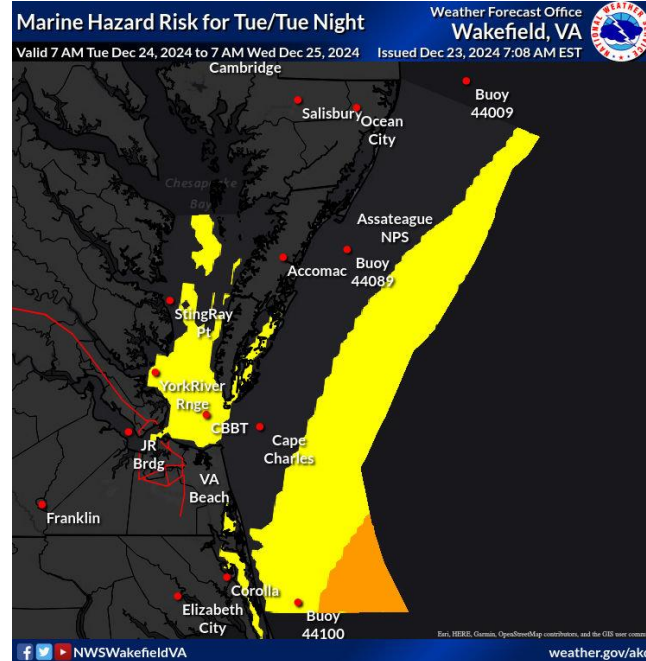
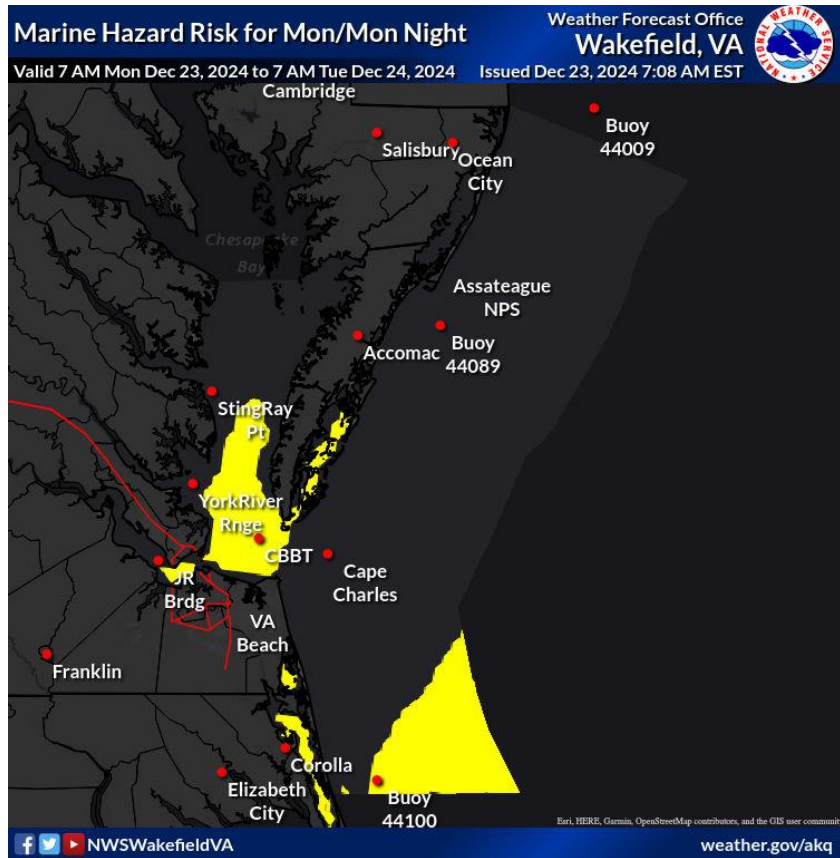
December 23, 2024  
7:53 AM





# Marine Threat Potential - Next 5 Days

December 23, 2024  
7:53 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).

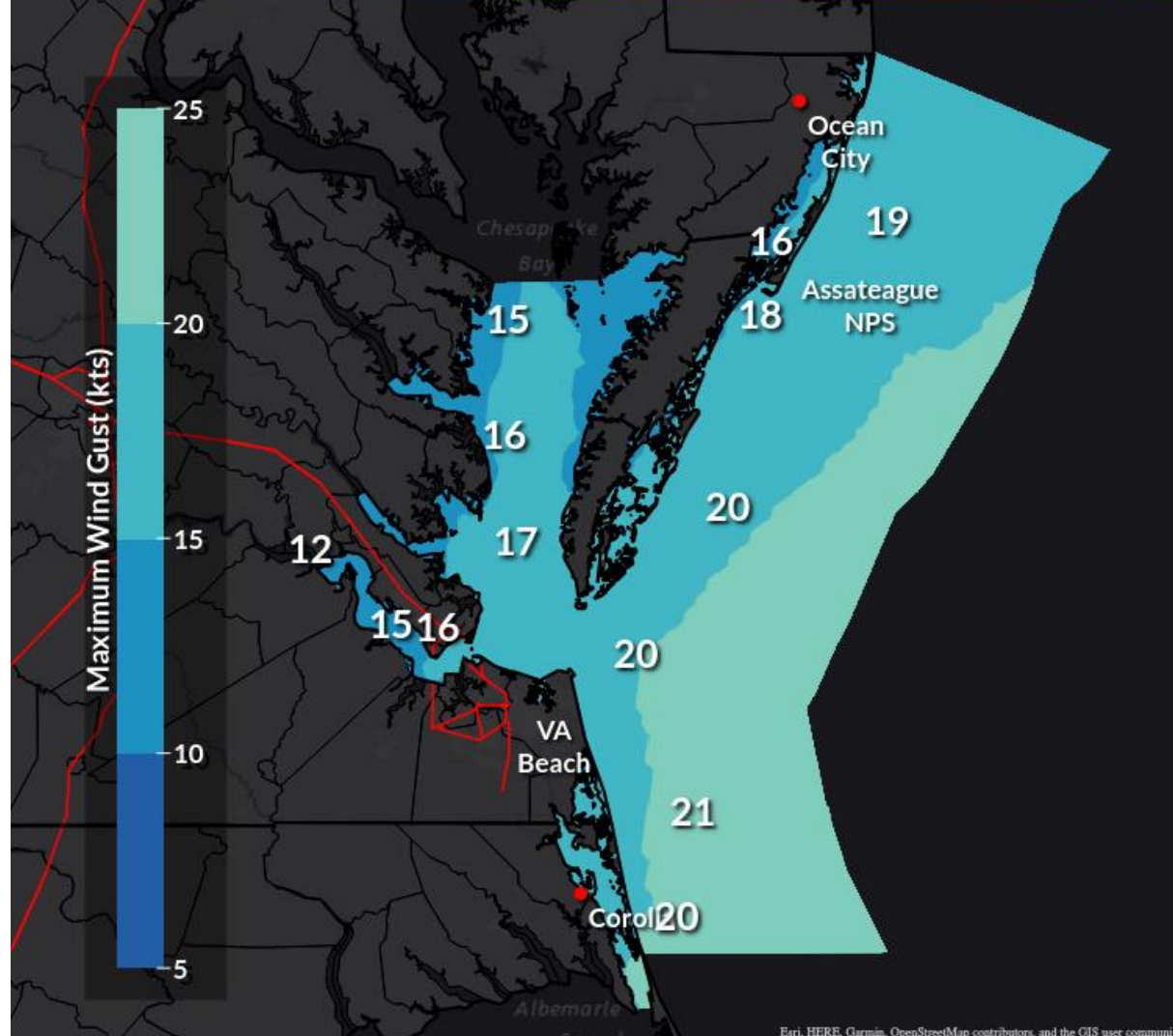




# Marine Threat Potential

December 23, 2024  
7:53 AM

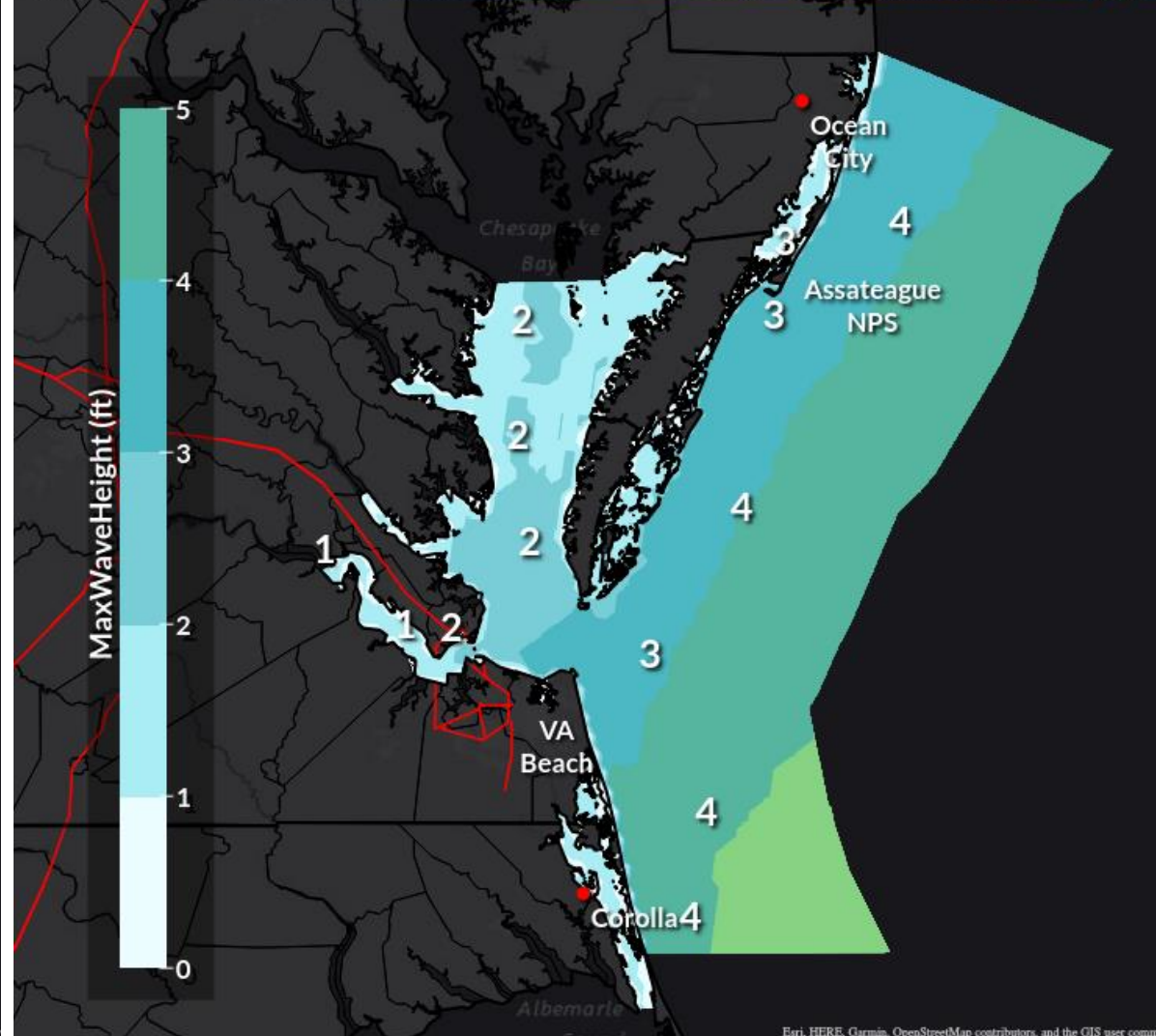
**Max Wind Gust Through 72 Hrs (kt)**  
Valid Mon 7:00AM through Thu 7:00PM EST  
Weather Forecast Office  
Wakefield, VA  
Issued Dec 23, 2024 3:13 AM EST



NWSWakefieldVA

weather.gov/akq

**0-72 Max Wave Height**  
Valid Mon 7:00AM through Thu 7:00PM EST  
Weather Forecast Office  
Wakefield, VA  
Issued Dec 23, 2024 7:40 AM EST



NWSWakefieldVA

weather.gov/akq

## Key Points:

- Sub-SCA conditions expected through this week

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



# Marine Forecast Summary

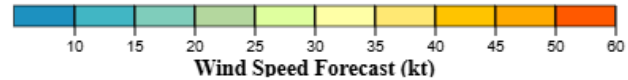
December 23, 2024  
7:53 AM

## Wind Speed Forecast (kt)

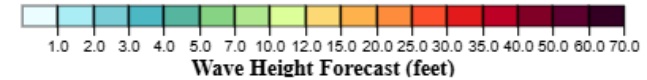
## Wave Height Forecast (feet)

	12/23 Mon			12/24 Tue			12/25 Wed			12/26 Thu			12/27 Fri			
	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	
CBBT	11	8	6	5	8	9	9	11	13	11	12	12	12	13	13	12
Cape Henry	12	8	7	5	9	9	10	13	14	12	13	13	13	13	13	13
Chesapeake Light	11	8	6	5	9	10	11	14	15	14	13	12	13	14	14	13
Chincoteague Shoal	10	6	5	7	9	9	10	12	13	12	11	10	11	11	11	11
Duck, NC	12	9	7	4	8	9	10	13	15	13	12	11	12	13	14	12
Fenwick Shoal	8	4	4	8	8	9	10	13	14	13	11	11	12	10	10	9
HRBT	11	7	6	4	6	7	8	9	11	11	10	10	10	11	11	11
JRB	9	6	5	3	6	6	6	7	9	9	9	9	10	10	10	9
New Point Comfort	10	7	5	5	6	6	7	10	12	10	10	10	10	10	10	10
Parramore Banks	11	7	5	6	8	9	9	12	13	12	12	10	11	12	12	11
Rappahannock Light	10	5	5	5	7	6	7	10	11	10	9	9	9	9	9	9
Tangier	10	5	6	7	8	7	8	10	11	9	9	9	9	8	9	10
Thimble Shoal	11	8	6	5	7	8	9	11	13	12	12	12	12	12	12	12

	12/23 Mon			12/24 Tue			12/25 Wed			12/26 Thu			12/27 Fri			
	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	
CBBT	2.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	3.0	3.0	2.0	3.0	3.0	3.0	3.0
Cape Henry	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Chesapeake Light	3.0	3.0	2.0	2.0	2.0	2.0	3.0	3.0	4.0	4.0	4.0	3.0	3.0	4.0	4.0	4.0
Chincoteague Shoal	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Duck, NC	3.0	3.0	2.0	2.0	2.0	3.0	3.0	4.0	4.0	4.0	4.0	3.0	3.0	4.0	4.0	4.0
Fenwick Shoal	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
HRBT	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0
JRB	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
New Point Comfort	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Parramore Banks	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Rappahannock Light	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Tangier	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Thimble Shoal	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



Created: 8 am EST Mon 12/23/2024 |



Created: 8 am EST Mon 12/23/2024 | Values are maximums over the period beginning at the time shown.





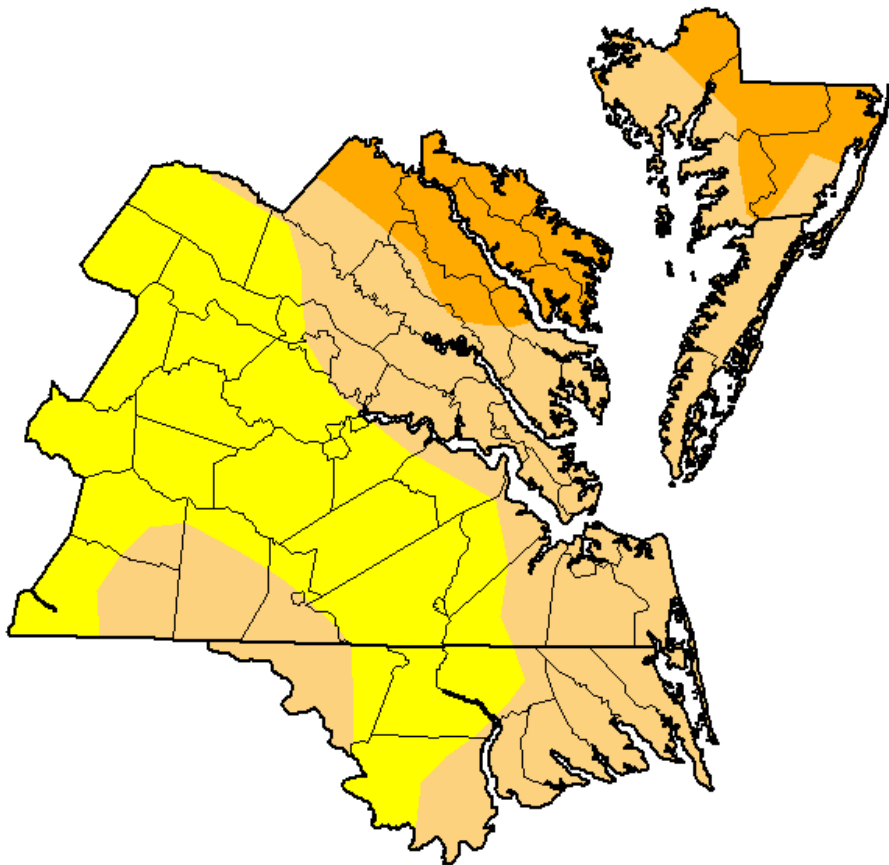
# Drought Monitor

December 23, 2024  
7:53 AM

For more info, visit: [droughtmonitor.unl.edu](http://droughtmonitor.unl.edu)

## U.S. Drought Monitor Wakefield, VA WFO

**December 17, 2024**  
(Released Thursday, Dec. 19, 2024)  
Valid 7 a.m. EST



### Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	0.00	100.00	57.56	13.41	0.00	0.00
<b>Last Week</b> 12-10-2024	0.00	100.00	100.00	20.00	2.81	0.00
<b>3 Months Ago</b> 09-17-2024	35.04	64.96	0.00	0.00	0.00	0.00
<b>Start of Calendar Year</b> 01-02-2024	82.11	17.89	2.47	0.00	0.00	0.00
<b>Start of Water Year</b> 10-01-2024	83.76	16.24	0.00	0.00	0.00	0.00
<b>One Year Ago</b> 12-19-2023	66.30	33.70	7.46	0.00	0.00	0.00

### Intensity:

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

### Author:

Brian Fuchs  
National Drought Mitigation Center



[droughtmonitor.unl.edu](http://droughtmonitor.unl.edu)

## Potential Impacts

Category	Impact
D0	Crop growth is stunted; planting is delayed
	Fire danger is elevated; spring fire season starts early
	Lawns brown early; gardens begin to wilt
D1	Surface water levels decline
	Irrigation use increases; hay and grain yields are lower than normal
	Honey production declines
	Wildfires and ground fires increase
	Trees and landscaping are stressed; fish are stressed
D2	Voluntary water conservation is requested; reservoir and lake levels are below normal capacity
	Specially crops are impacted in both yield and fruit size
	Producers begin feeding cattle; hay prices are high
	Warnings are issued on outdoor burns; air quality is poor
	Golf courses conserve water
	Trees are brittle and susceptible to insects
D3	Fish kills occur; wildlife move to farms for food
	Water quality is poor; groundwater is declining; irrigation ponds are dry; outdoor water restrictions are implemented
	Crop loss is widespread; Christmas tree farms are stressed; dairy farmers are struggling financially
	Well drillers and bulk water haulers see increased business
D3	Water recreation and hunting are modified; wildlife disease outbreak is observed
	Extremely reduced flow to ceased flow of water is observed; river temperatures are warm; wells are running dry; people are digging more and deeper wells



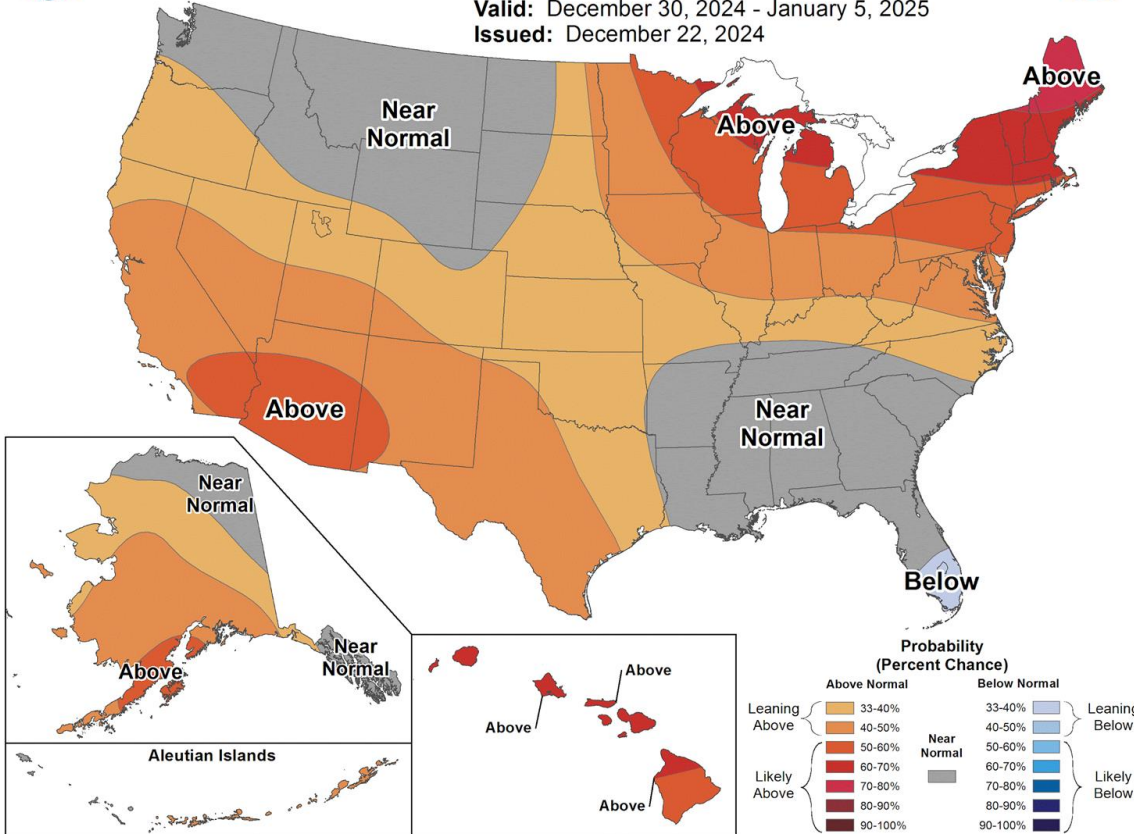
# Looking Ahead to Next Week

December 23, 2024  
7:53 AM



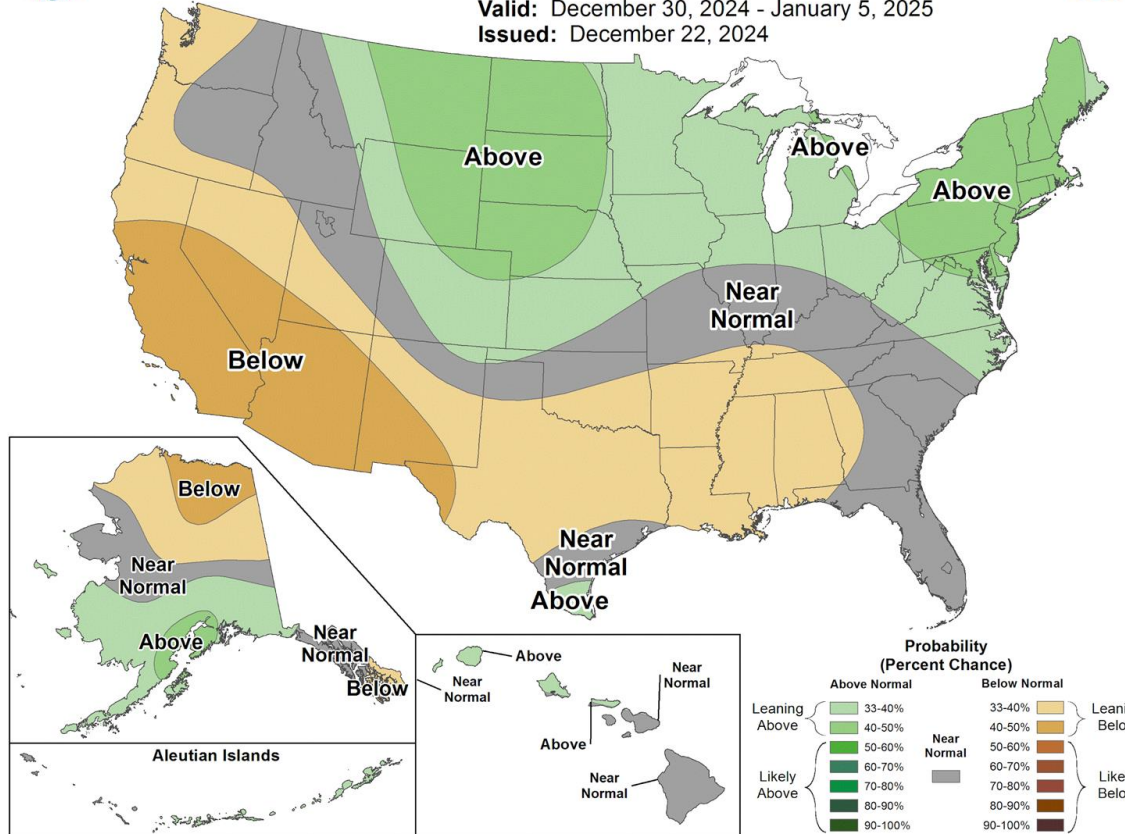
## 8-14 Day Temperature Outlook

Valid: December 30, 2024 - January 5, 2025  
Issued: December 22, 2024



## 8-14 Day Precipitation Outlook

Valid: December 30, 2024 - January 5, 2025  
Issued: December 22, 2024



## Normal Temperatures:

### Richmond:

Highs: Upper 40s  
Lows: Around 30

### Norfolk:

Highs: Lower 50s  
Lows: Mid 30s

### Salisbury, MD:

Highs: Mid 40s  
Lows: Upper 20s

### Elizabeth City, NC:

Highs: Lower 50s  
Lows: Mid 30s

- Above normal temperatures favored next week.
- Above normal precipitation chances favored next week.





# Highlights

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- Generally dry through the week with the exception of light rain in the southeast on Tuesday. Low accumulations of freezing rain are possible for interior portions of the southeast Tuesday morning.
- Next chance for widespread rain will be late this weekend.
- Temperatures follow a gradual warming trend through the week with above-normal temperatures expected this weekend into next week.
- **Marine** - Sub-Small Craft Advisory conditions expected through this week.