



Weekly Impact Weather Briefing

March 21, 2024
7:56 AM

Prepared by National Weather Service Wakefield, VA

Weekly Impact Weather Briefing

- Covering the period Thursday through Wednesday March 21-27, 2024
- Updated Every Thursday

Disclaimer:

- This Thursday 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.



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Wakefield, VA



Highlights

March 21, 2024
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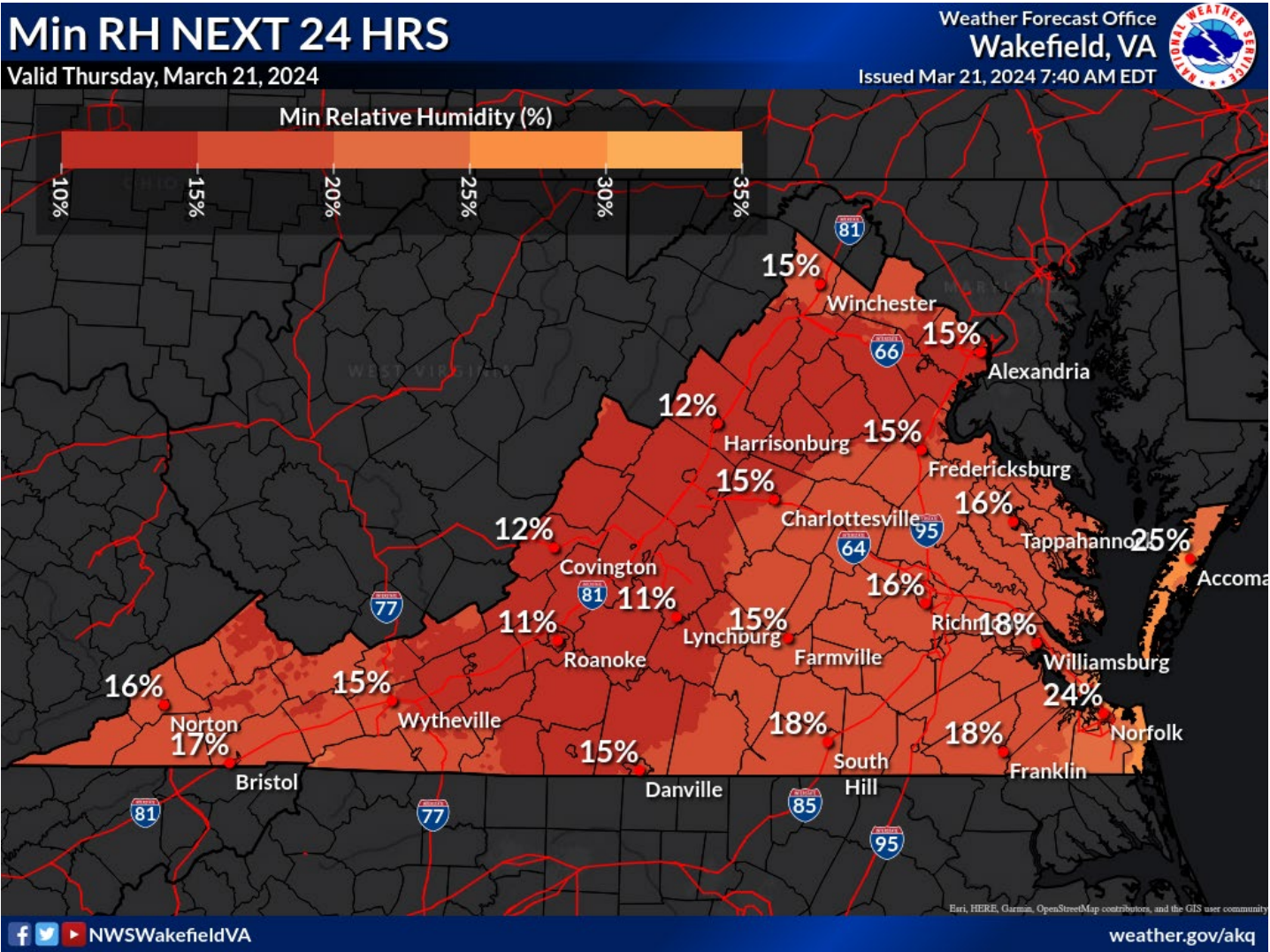
- Very dry conditions persist today with an Increased Threat Of Fire Potential today. Winds are lighter than yesterday, however, humidity remains extremely low.
- Showers move in from the south Friday night with rainfall becoming moderate to occasionally heavy late Friday night into Saturday. Between 1.5 to up to 3 to 4 inches of rain is possible with the highest amounts east of I-95 to the coast and Eastern Shore.
- Southeast winds increase late Friday and Saturday gusting to 25 to 35 mph, highest near the coast, Bay and NE NC. Winds become northwest Sunday with peak winds gusts around 35 mph inland and near 50 mph along the Bay, coast, and NE NC.
- Minor coastal flooding is likely across the northern Albemarle Sound as well as the Bay and tidal rivers with Saturday and into Sunday.
- **Marine Weather** - Small Craft Advisory conditions are expected Friday with a southeast wind. Gale Conditions are expected Saturday as winds shift from the southeast to northwest. This shift in winds will result in dangerous wave conditions along the Bay and coastal waters.





Fire Potentail Today (Dry)

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Maximum Wind Gust Forecast

	3/21 Thu			3/22 Fri		
	6am	12pm	6pm	12am	6am	12pm
Blacksburg	12↗	14↗	10↗	10↖	10↖	10↖
Bristol	7↓	7↓	7↖	9↖	16↖	21↖
Charlottesville	10↗	13↗	10↗	10↗	9↖	13↗
Fredericksburg	16↗	15↗	12↗	7↖	12↖	16↗
Harrisonburg	13↗	14↗	12↗	8↖	13↖	20↗
Luray	12↗	13↗	12↗	7↖	9↖	16↗
Lynchburg	8↖	8↗	8↗	13↗	13↗	12↖
Manassas	17↗	18↗	14↗	7↓	12↖	18↗
Norfolk	18↗	14↓	10↖	9↖	18↖	20↖
Richmond	12↓	10↖	7↖	7↖	12↖	16↗
Roanoke	10↗	13↗	10↗	7↖	8↖	8↖
South Hill	9↖	6↖	6↗	9↖	13↖	16↗
Williamsburg	13↓	10↖	9↖	9↖	14↖	18↗
Winchester	18↗	18↗	15↗	8↖	15↖	22↗
Wytheville	7↗	14↗	10↗	6↖	9↖	12↖

*Table values in mph

**Created: 8 am EDT Thu 3/21/2024

***Values are maximums over the period beginning at the time shown.

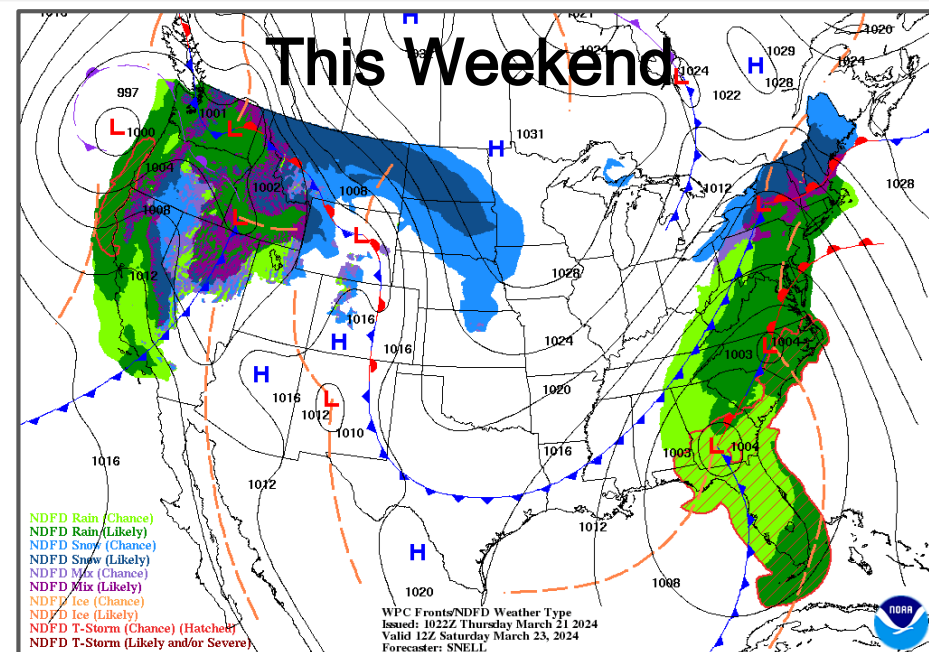
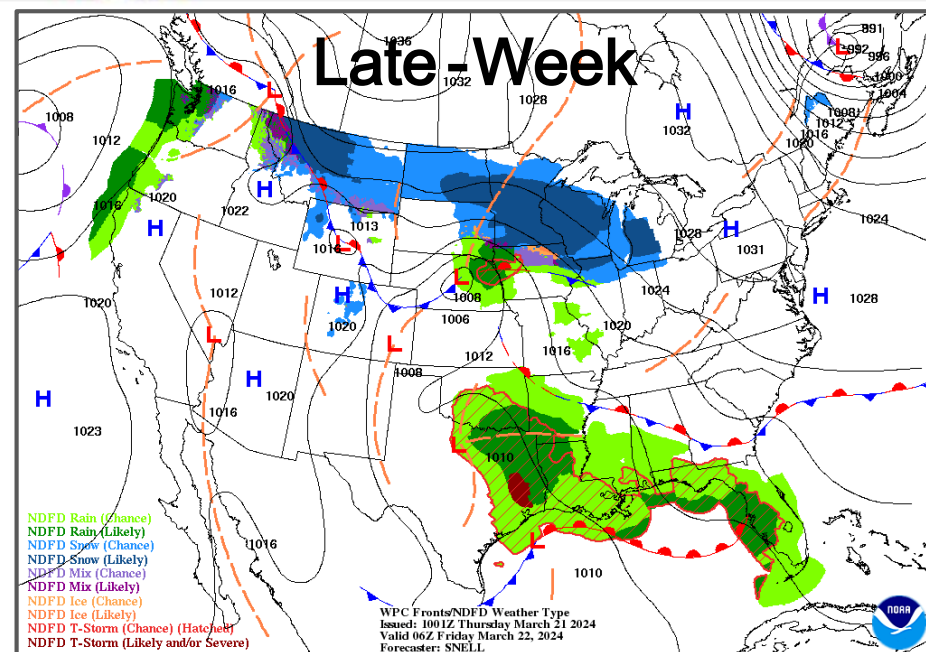
- Very dry conditions persist today, however winds are lighter than yesterday. Locations in the mountains will still see NW winds gusting to near 20 mph today.





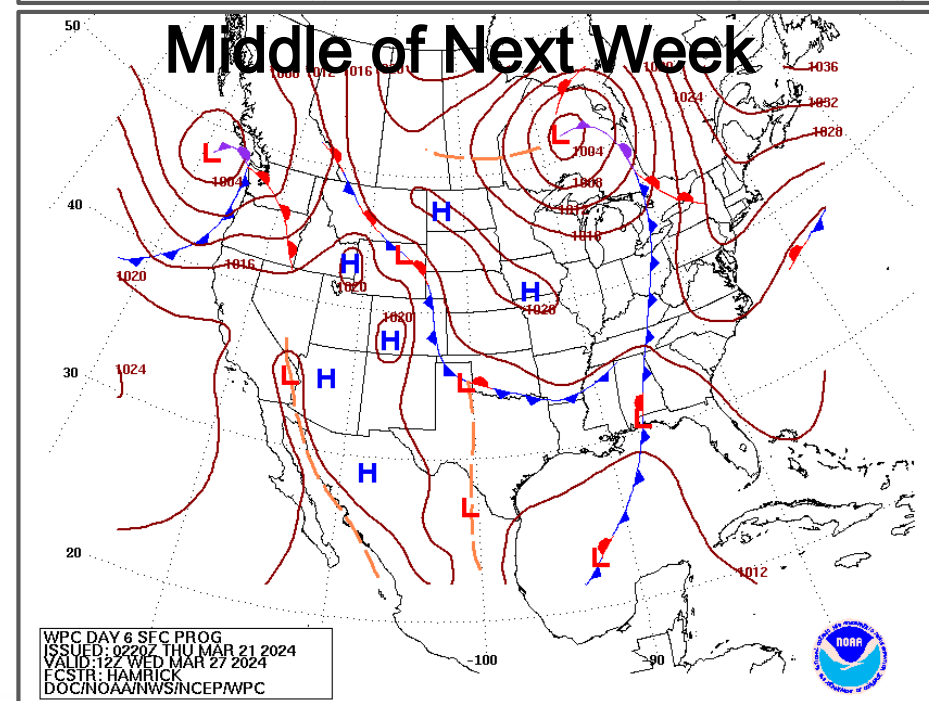
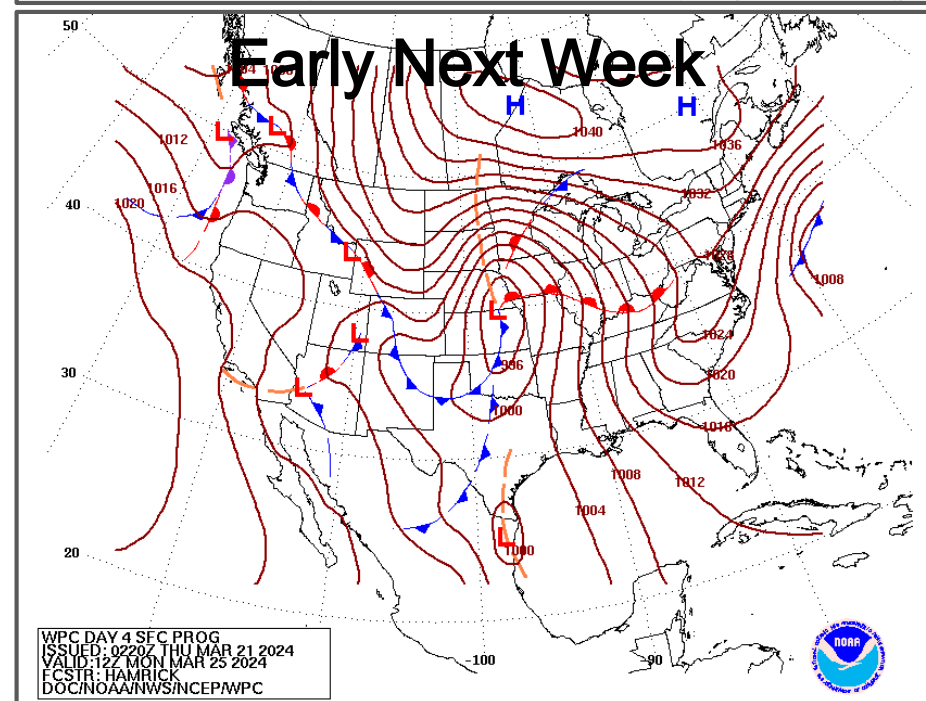
This Week's Weather Pattern

March 21, 2024
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Key Points:

- Dry through Friday then rain moves up from the south Friday night and Saturday.
- Windy conditions are expected Saturday and especially Sunday.
- A low pressure system will develop over the southeast US and lift north to the mid Atlantic coast Saturday. The storm system moves offshore Sunday and Monday.



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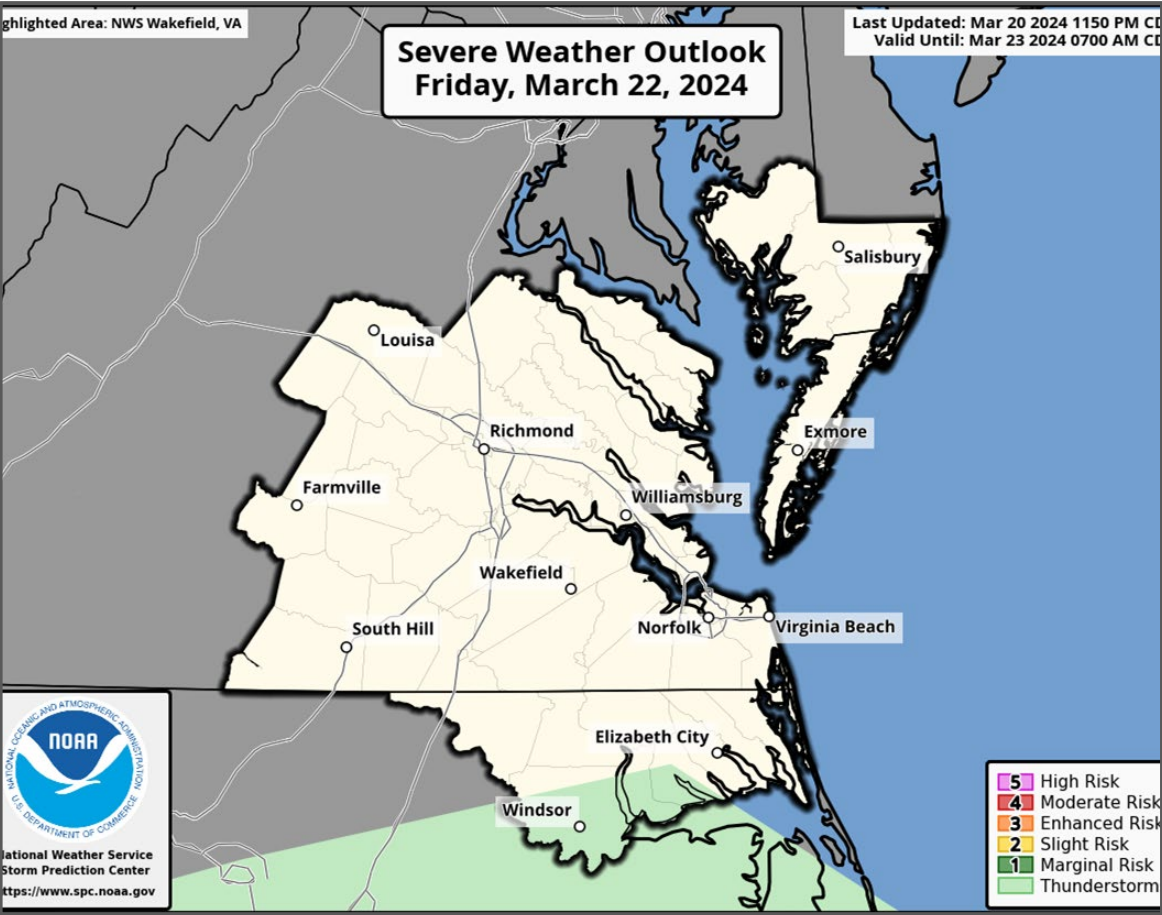
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Wakefield, VA



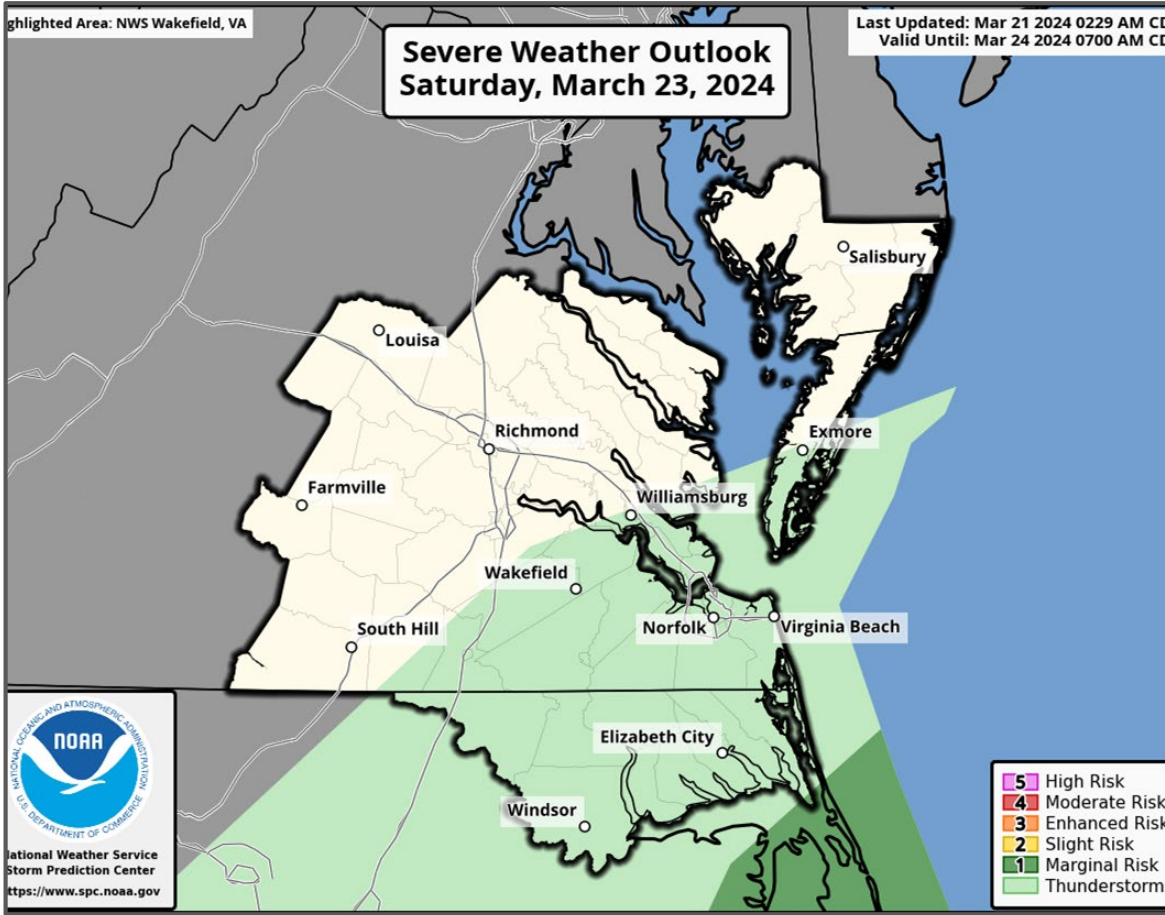
Severe Thunderstorm Potential

March 21, 2024
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Friday



Saturday



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

- There is a low potential for a thunderstorm Saturday afternoon over southeast VA.
- Severe storms are not expected though rain will be moderate to heavy at times.

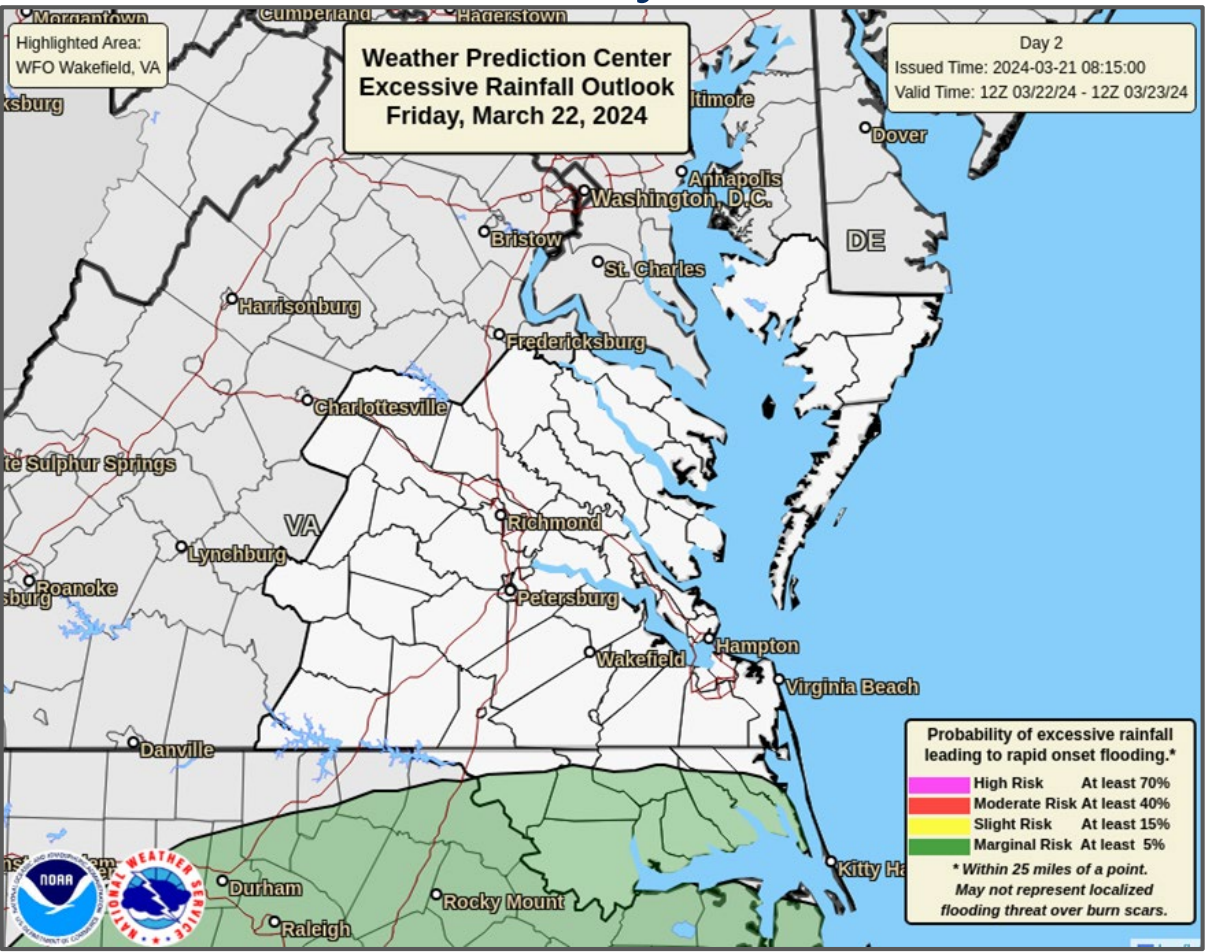




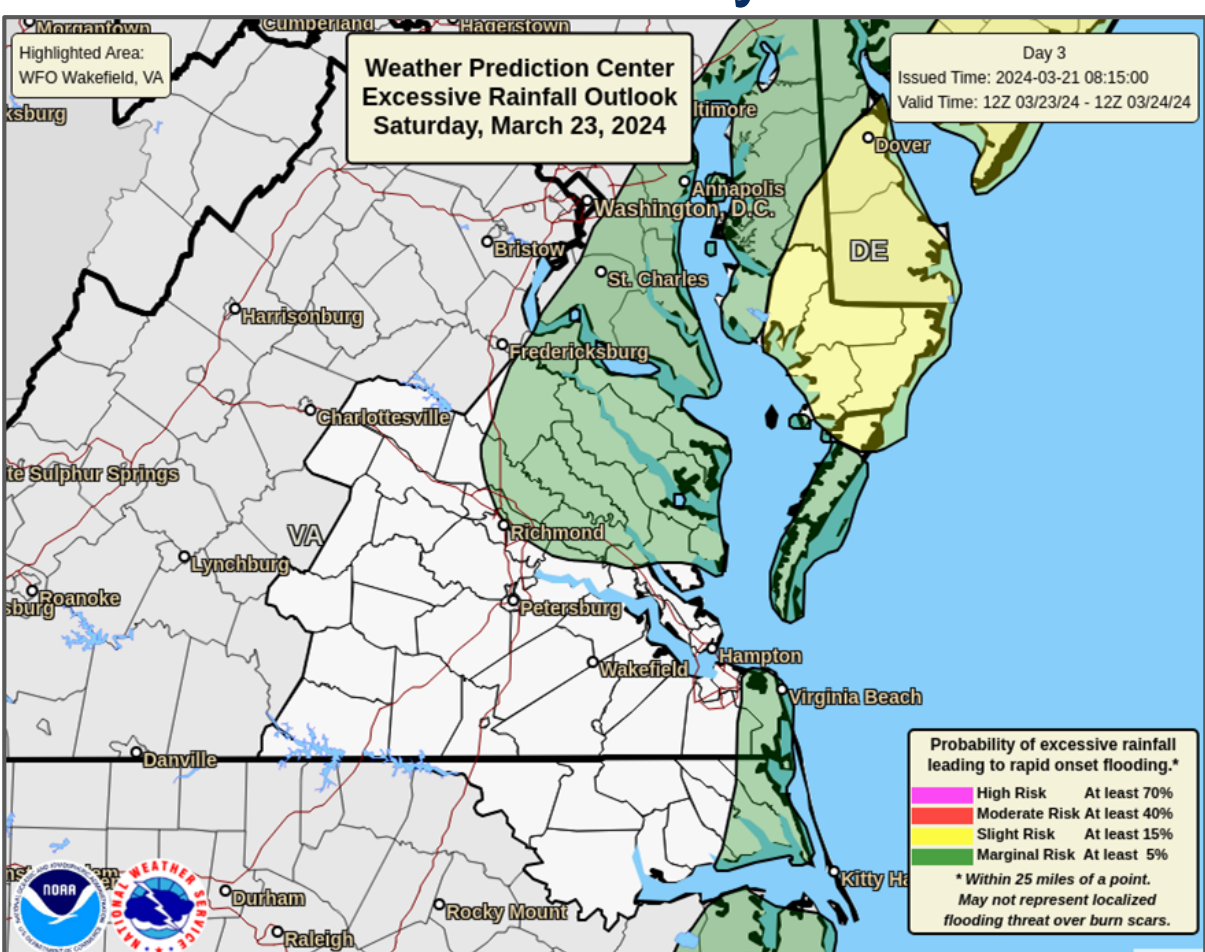
Heavy Rainfall Potential

March 21, 2024
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Friday



Saturday



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

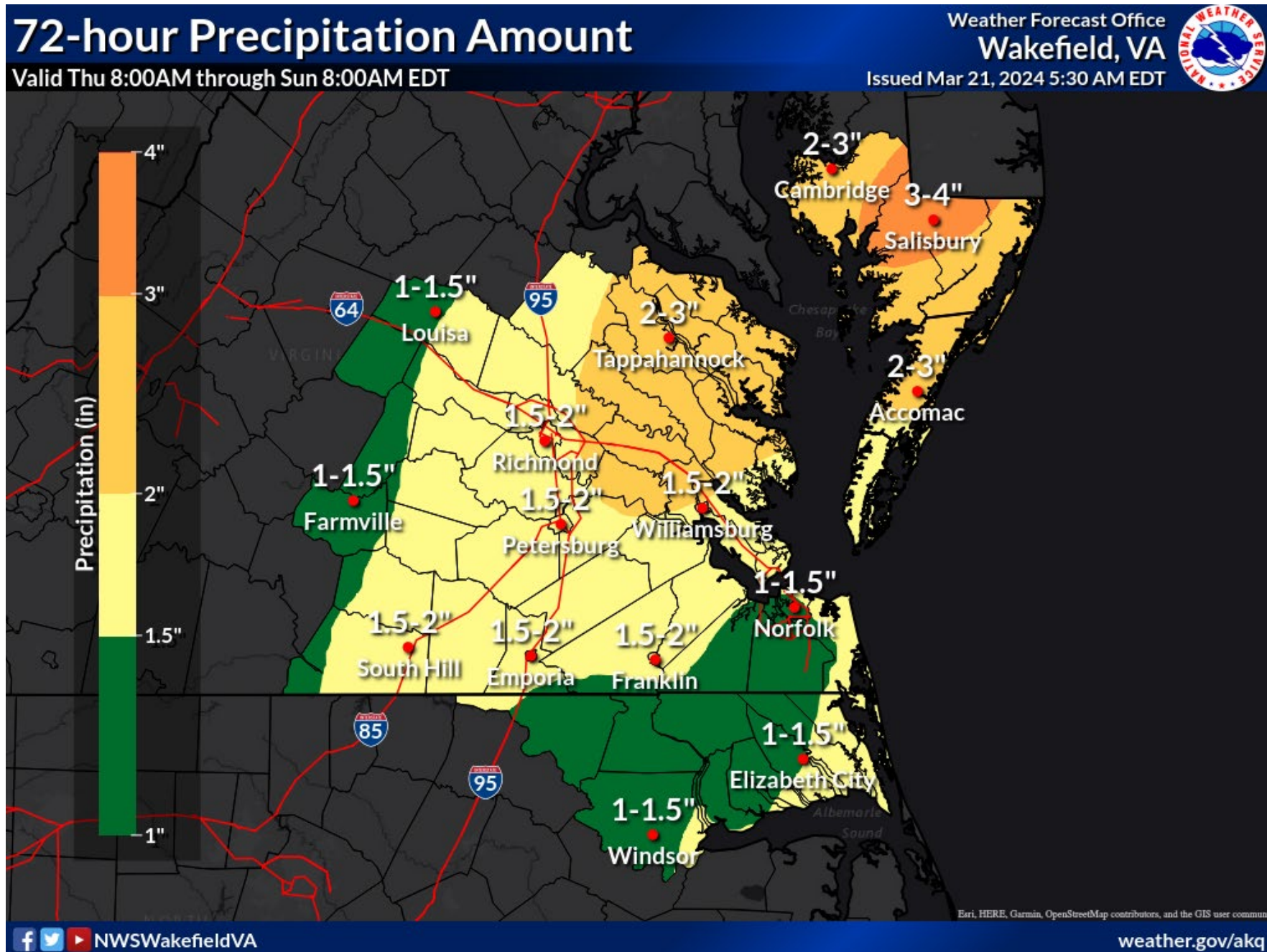
- A storm system approaching from the south and moving across the area will bring a potential for heavy rain to areas along the coast, Bay and across the Eastern Shore.
- Some fooding is possible is low lying areas and areas of poor drainage.





Expected Rainfall Through 72 Hours

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Key Points:

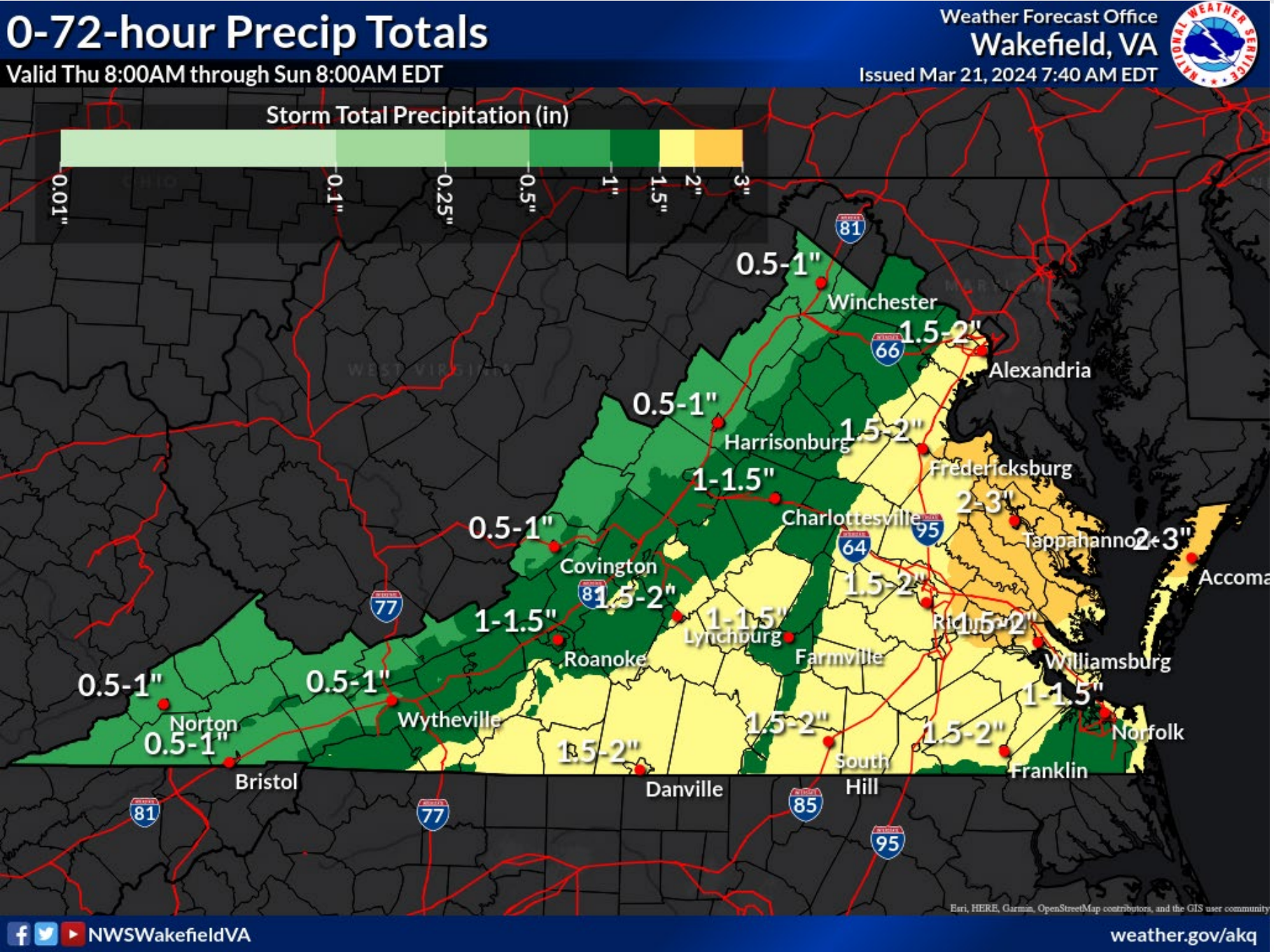
- Overview: A period of moderate to occasionally heavy rain in expected late Friday night into Saturday.
- Timing: Late Friday night into Saturday. Rain may taper from southwest to northeast Saturday afternoon.
- Impacts: Some flooding of low lying and poor drainage areas is possible. The heaviest rainfall will be east of I-95 and especially across the Eastern Shore where flooding is more likely from heavy rain.





Statewide Rainfall Through 72 Hours

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High Wind Potential

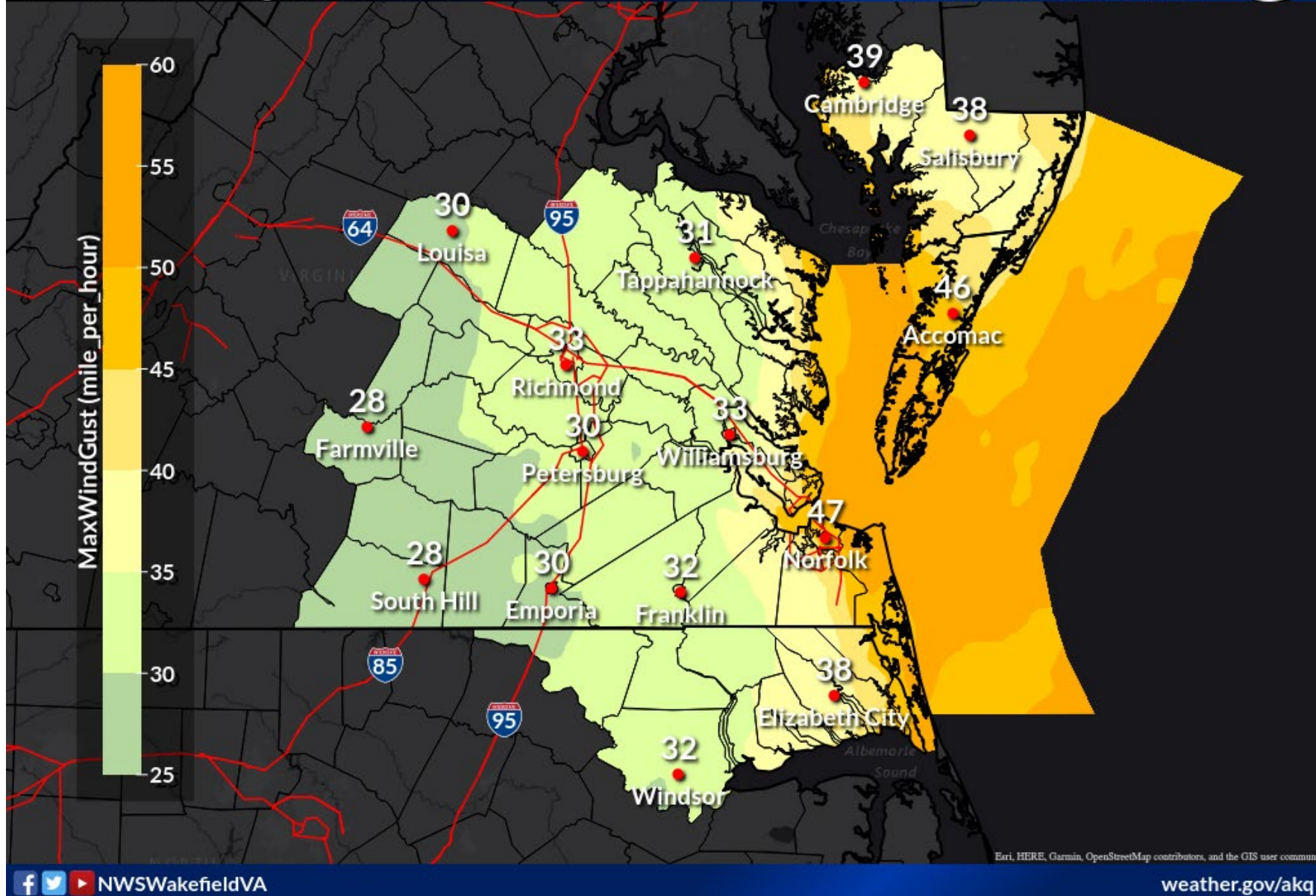
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Max Wind Gust Through 72 Hrs

Valid Thu 8:00AM through Sun 8:00PM EDT

Weather Forecast Office
Wakefield, VA

Issued Mar 21, 2024 5:30 AM EDT



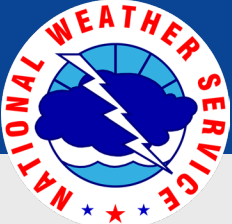
Key Points:

- Overview: A storm system moving across the area will result in windy conditions.
- Timing: Southeast winds increase Friday night into Saturday becoming breezy with gusts to 20 to 35 mph. Stronger winds are expected Sunday (left image) as winds become northwest and gusts to 35 mph inland and near 50 mph along the Bay and coast.
- Impacts: Strong winds are expected for most of Sunday which could result in a few down trees and power lines.



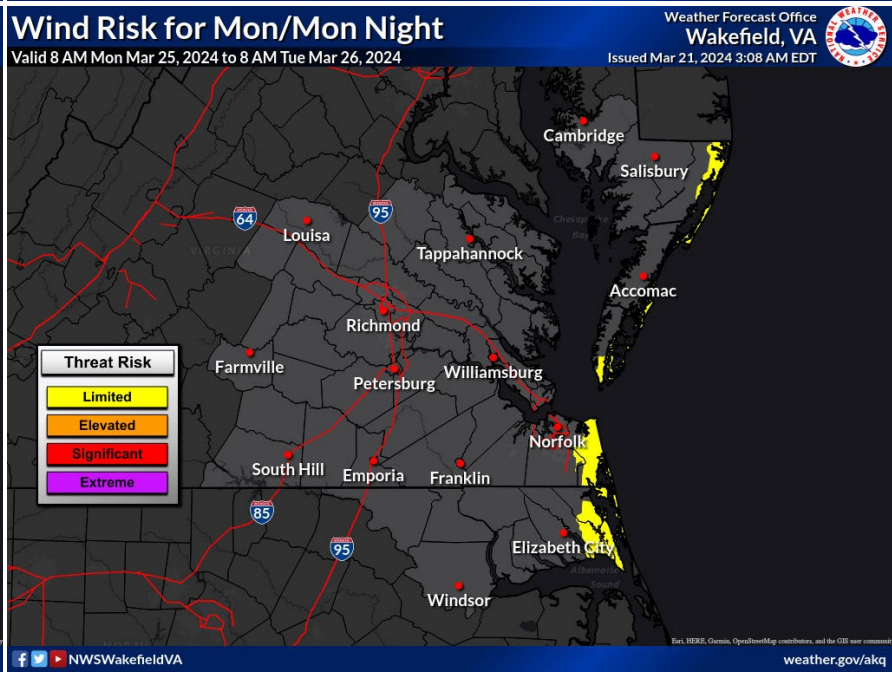
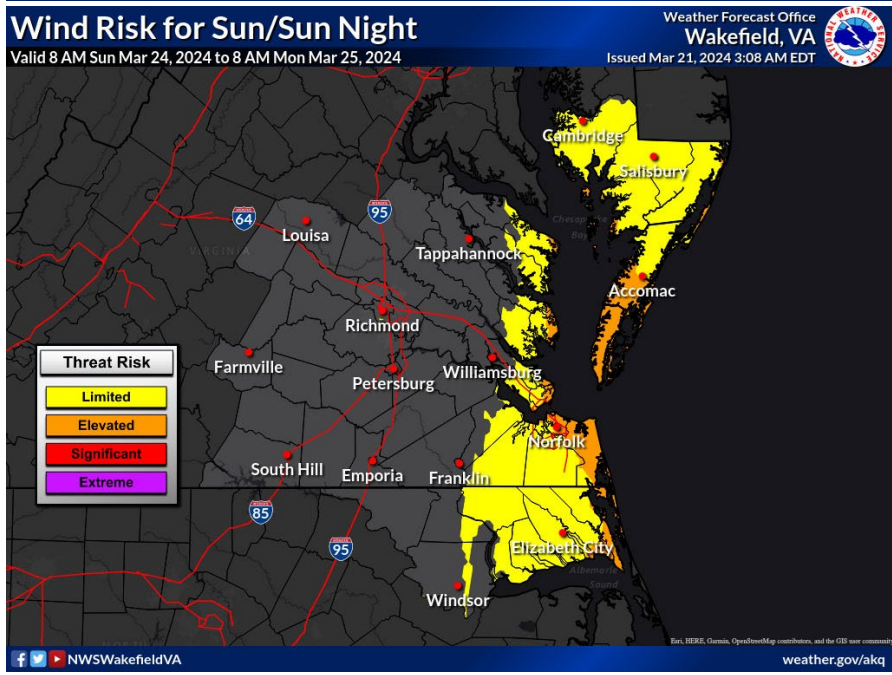
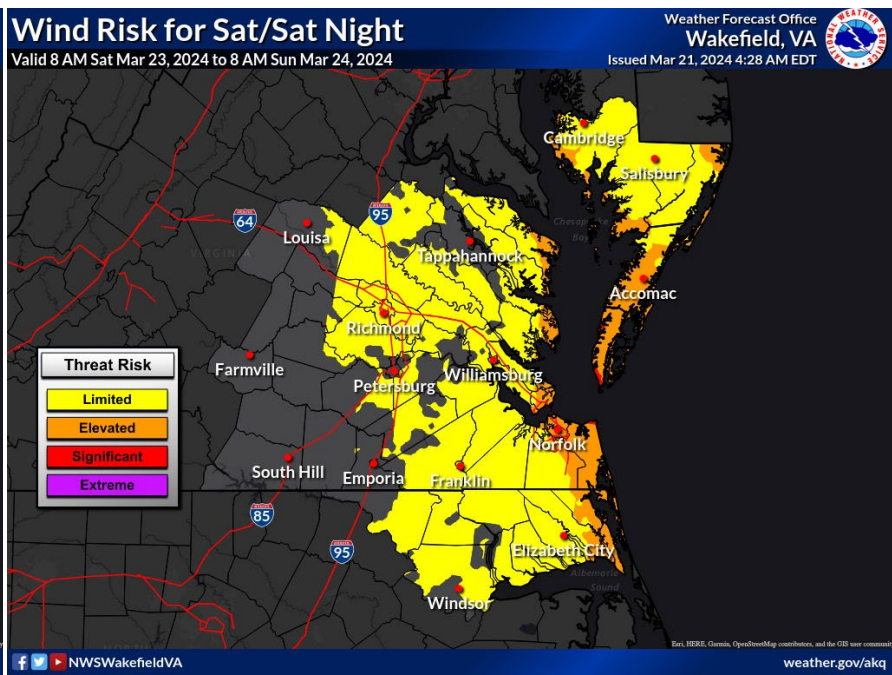
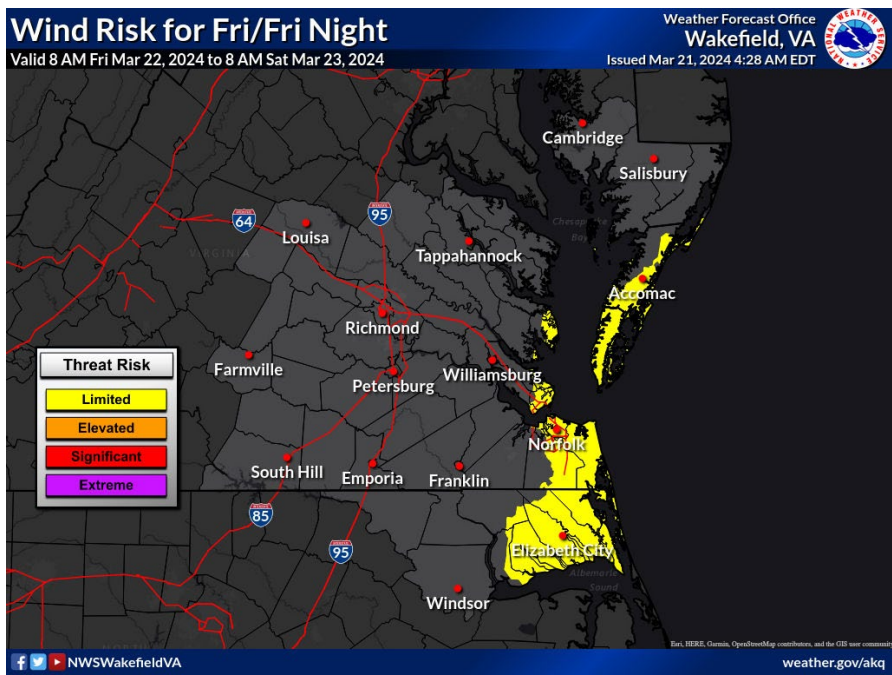
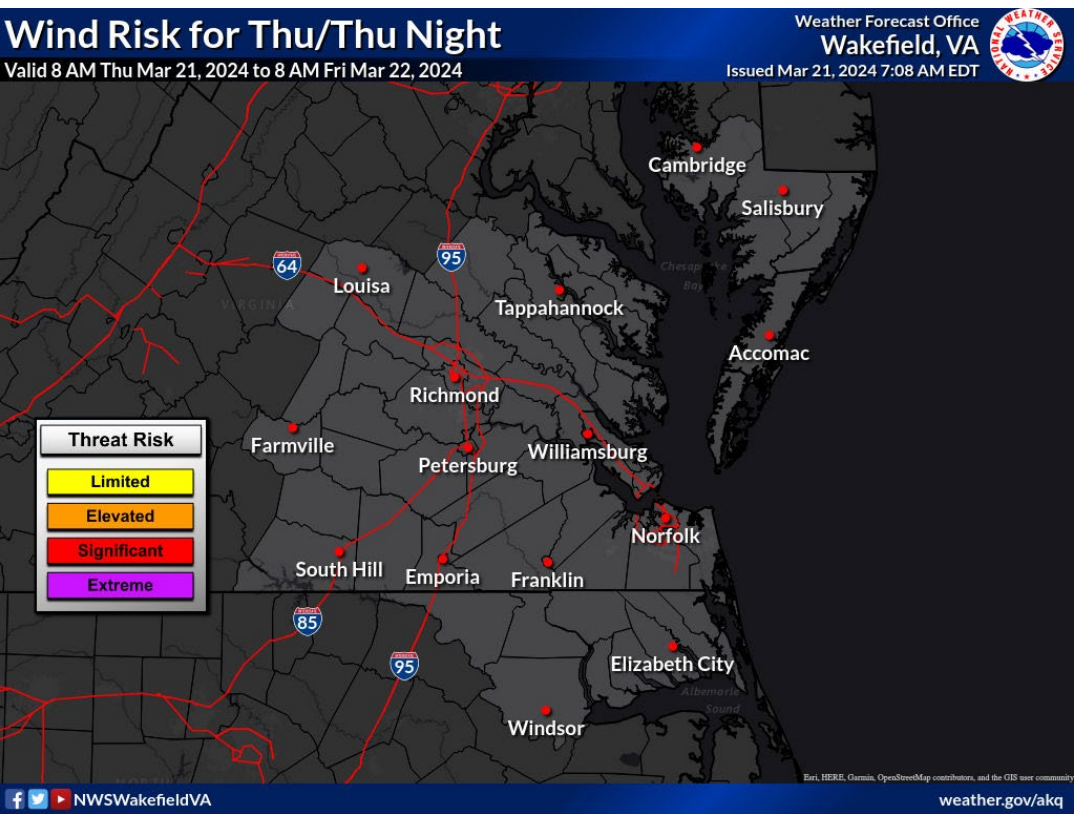
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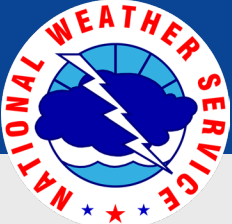
High Wind Potential - Next 5 Days

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Limited	Breezy conditions with 30 to 40 mph wind gusts could blow around unsecured items and result in hazardous driving conditions for high-profile vehicles.
Elevated	Windy conditions with 40 to 50 mph wind gusts could damage light outdoor items, cause isolated power outages and result in hazardous driving conditions for high-profile vehicles.
Significant	Very windy conditions with 50 to 60 mph wind gusts could blow down trees, result in some property damage and cause power outages.
Extreme	Extremely windy conditions with wind gusts greater than 60 mph will damage numerous trees, cause property damage in addition to widespread power outages.

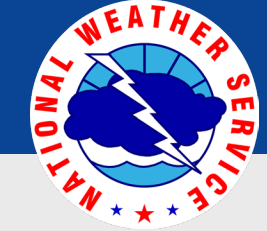




Regional Forecast Summary

March 21, 2024
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Maximum Temperature Forecast						Minimum Temperature Forecast					Probability of Precipitation Forecast																
											3/22				3/23				3/24				3/25				
											Fri				Sat				Sun				Mon				
											6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm		
Accomac	50	52	60	51	53	Accomac	32	32	47	42	37	Accomac	0	0	10	45	85	95	95	40	40	25	15	15	15	10	10
Ahoskie	61	61	65	55	60	Ahoskie	41	35	49	42	36	Ahoskie	0	0	25	70	95	95	75	35	30	15	15	10	5	5	5
Cambridge	50	51	57	52	55	Cambridge	35	30	45	36	36	Cambridge	0	0	5	50	90	95	95	35	30	15	15	10	10	10	10
Corolla	50	56	62	52	53	Corolla	43	43	51	45	45	Corolla	0	0	15	55	90	95	75	40	40	20	15	15	10	10	5
Elizabeth City	58	59	65	53	56	Elizabeth City	38	38	51	44	40	Elizabeth City	0	0	20	60	90	95	75	35	35	20	15	15	10	5	5
Emporia	60	59	62	55	61	Emporia	37	33	46	39	33	Emporia	0	0	30	80	95	95	75	30	25	15	10	10	5	5	5
Farmville	60	57	59	56	61	Farmville	31	31	44	37	33	Farmville	0	0	30	80	95	90	60	20	20	10	10	10	5	5	5
Louisa	56	56	56	54	59	Louisa	29	29	42	32	32	Louisa	0	0	15	70	95	90	60	20	20	10	10	10	5	5	10
Norfolk / Portsmouth	56	57	64	53	55	Norfolk / Portsmouth	43	39	50	42	42	Norfolk / Portsmouth	0	0	15	60	90	95	90	35	35	20	15	15	10	10	10
Ocean City	49	48	56	49	50	Ocean City	33	33	46	40	40	Ocean City	0	0	5	35	80	95	95	45	40	25	15	15	15	15	10
Richmond	57	58	59	54	59	Richmond	33	33	45	35	35	Richmond	0	0	15	75	95	95	80	25	25	15	10	10	5	5	10
Salisbury	49	53	60	52	54	Salisbury	32	28	45	40	35	Salisbury	0	0	5	40	85	95	95	40	35	20	15	15	15	10	10
South Hill	59	58	60	55	60	South Hill	39	35	46	40	35	South Hill	0	0	35	80	95	90	70	25	20	10	10	10	5	5	5
Tappahannock	54	55	58	52	57	Tappahannock	35	31	44	35	35	Tappahannock	0	0	10	65	90	95	85	30	25	15	10	10	10	10	10
Virginia Beach	52	55	62	52	53	Virginia Beach	40	40	50	43	43	Virginia Beach	0	0	15	55	90	95	90	40	35	20	15	15	10	10	10
Williamsburg	56	56	62	55	58	Williamsburg	35	35	47	37	37	Williamsburg	0	0	15	65	90	95	90	35	30	15	15	10	10	10	10
*Table values in °F						*Table values in °F					*Table values in %																
**Created: 8 am EDT Thu 3/21/2024						**Created: 8 am EDT Thu 3/21/2024					**Created: 8 am EDT Thu 3/21/2024																
***Values are maximums over the period beginning at the time shown.						***Values are minimums over the period beginning at the time shown.																					



Regional Wind Forecast

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Sustained Wind

Maximum Wind Speed Forecast

	3/22 Fri		3/23 Sat				3/24 Sun				3/25 Mon			
	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm
Accomac	15	13	18	26	24	25	28	26	23	18	17	17	17	17
Ahoskie	13	12	14	17	14	17	18	17	17	14	10	10	12	10
Cambridge	14	13	12	13	18	24	24	22	18	13	10	10	10	10
Corolla	15	17	21	30	26	24	33	31	30	28	25	24	24	23
Elizabeth City	15	13	17	23	21	20	22	22	22	18	16	16	17	16
Emporia	12	10	13	14	14	17	17	17	16	13	9	9	9	9
Farmville	8	8	8	13	14	15	16	15	14	10	7	7	7	7
Louisa	9	8	6	13	16	17	17	15	14	10	7	7	7	7
Norfolk / Portsmouth	13	13	16	23	21	23	26	25	23	18	16	16	16	16
Ocean City	13	13	18	24	25	28	29	29	26	23	23	22	23	22
Richmond	10	9	9	12	20	20	18	17	16	12	8	8	8	8
Salisbury	13	12	14	18	17	22	23	21	18	14	12	13	14	13
South Hill	10	9	10	13	14	16	16	16	15	12	8	8	8	8
Tappahannock	14	12	9	12	17	18	18	16	16	10	8	9	9	8
Virginia Beach	15	17	21	30	26	29	33	32	29	24	22	21	21	21
Williamsburg	12	10	12	17	16	20	20	18	17	13	10	12	12	9

*Table values in mph
**Created: 8 am EDT Thu 3/21/2024
***Values are maximums over the period beginning at the time shown.

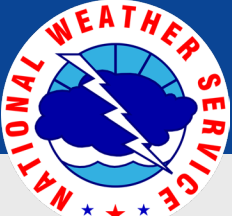
Wind Gusts

Maximum Wind Gust Forecast

	3/22 Fri		3/23 Sat				3/24 Sun				3/25 Mon			
	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm
Accomac	23	20	28	40	37	38	41	39	35	29	26	26	26	26
Ahoskie	21	18	22	28	22	28	30	28	28	22	16	16	18	16
Cambridge	20	18	18	20	28	37	37	32	28	20	17	16	16	16
Corolla	22	25	32	43	38	40	47	46	43	39	36	33	33	32
Elizabeth City	23	21	26	36	32	30	35	35	36	30	25	25	26	24
Emporia	18	16	21	22	22	28	28	28	25	21	15	15	15	15
Farmville	13	13	13	21	22	24	25	24	22	16	12	12	12	12
Louisa	15	13	9	21	25	28	28	24	22	16	12	12	12	12
Norfolk / Portsmouth	20	21	25	37	32	37	41	39	36	29	25	25	25	24
Ocean City	18	18	26	35	37	39	40	40	38	32	32	31	32	31
Richmond	16	15	15	18	31	31	30	28	25	18	13	13	13	13
Salisbury	20	18	22	30	28	35	36	33	30	23	18	20	22	20
South Hill	16	15	16	21	22	25	25	25	24	18	13	13	13	13
Tappahannock	21	17	14	17	26	28	28	24	24	16	13	14	14	13
Virginia Beach	22	24	30	43	38	41	48	46	40	36	32	30	30	30
Williamsburg	18	16	18	26	25	30	30	29	26	20	16	18	18	14

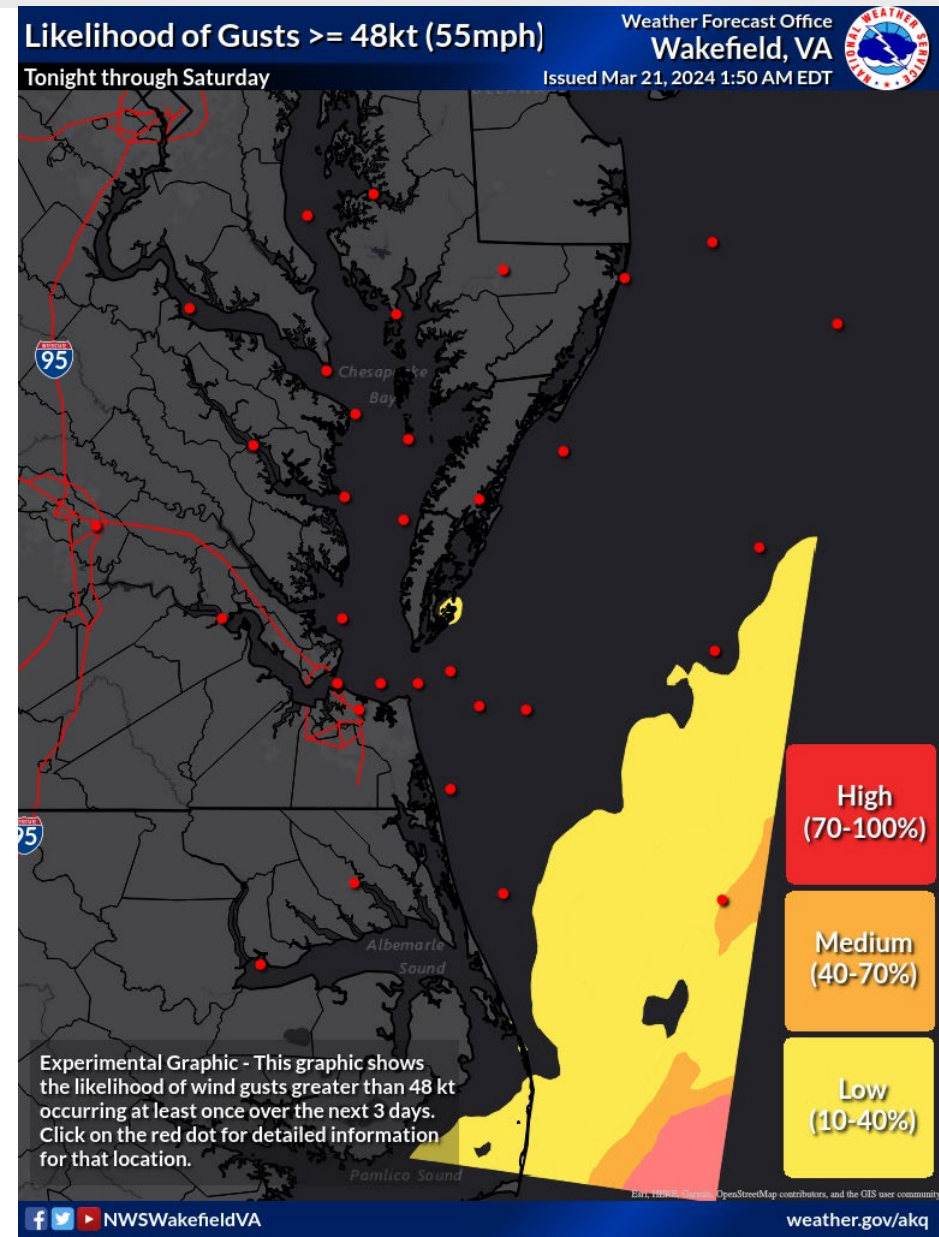
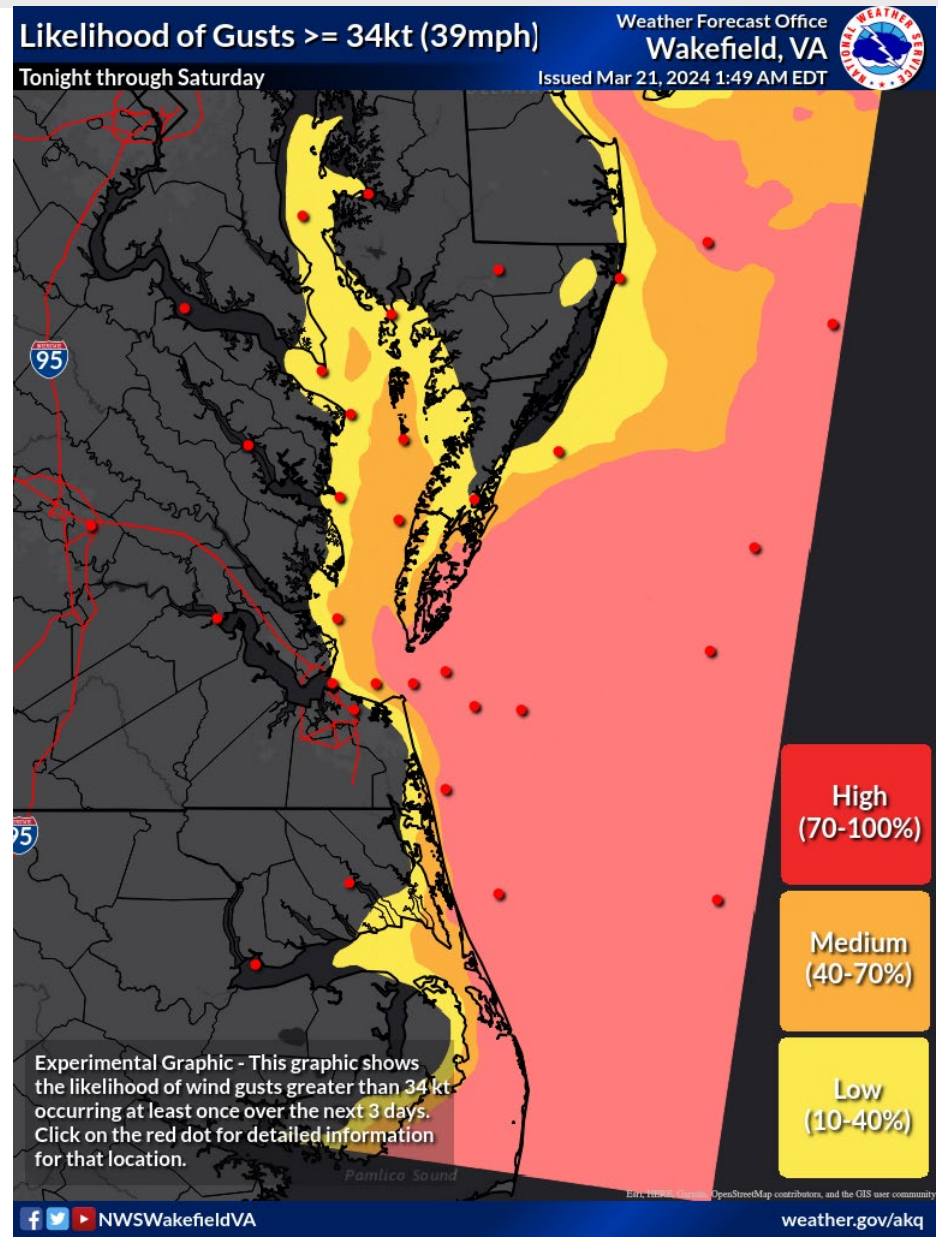
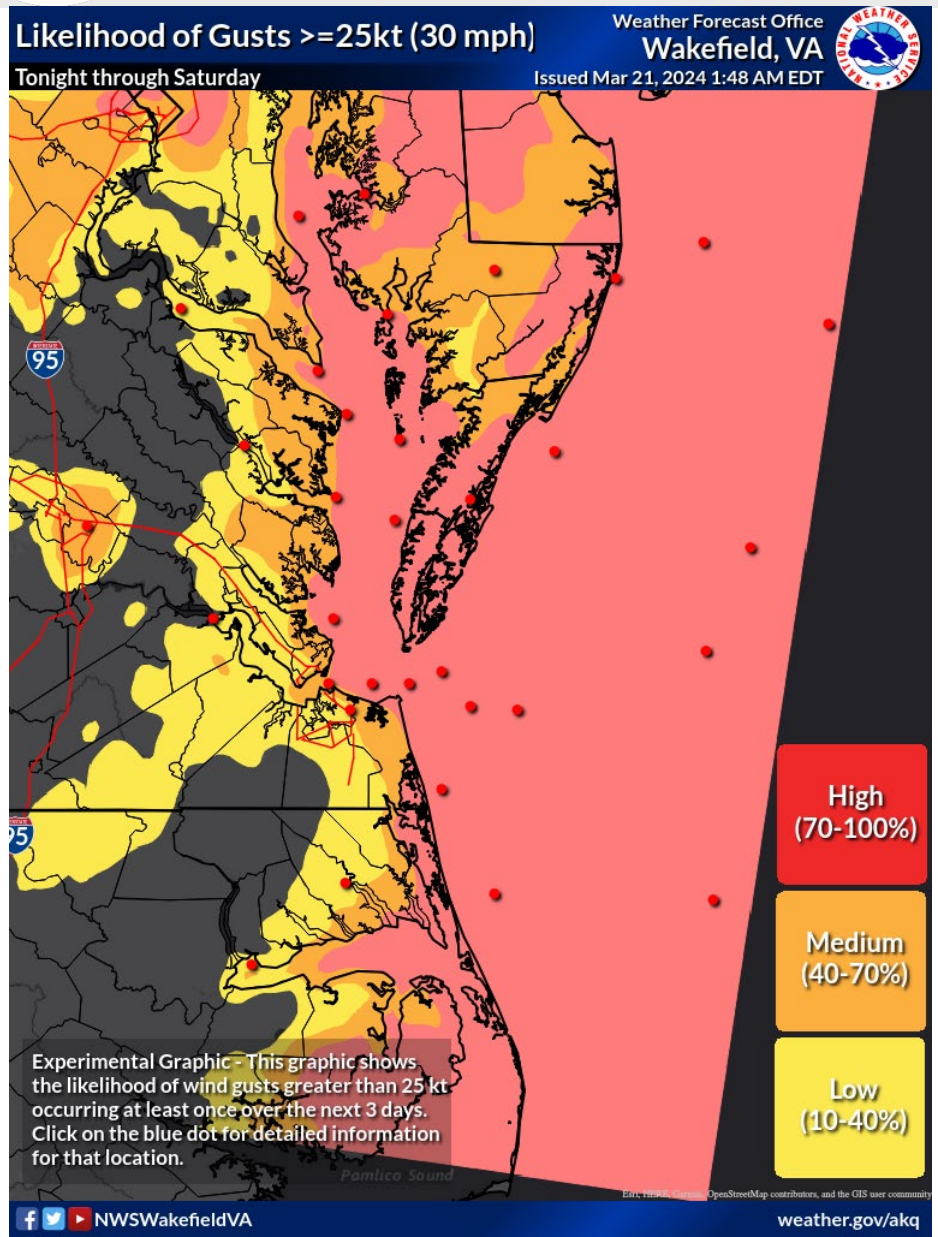
*Table values in mph
**Created: 8 am EDT Thu 3/21/2024
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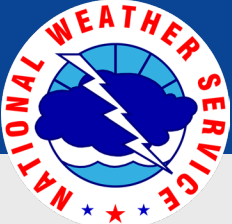
Marine Wind Probabilities

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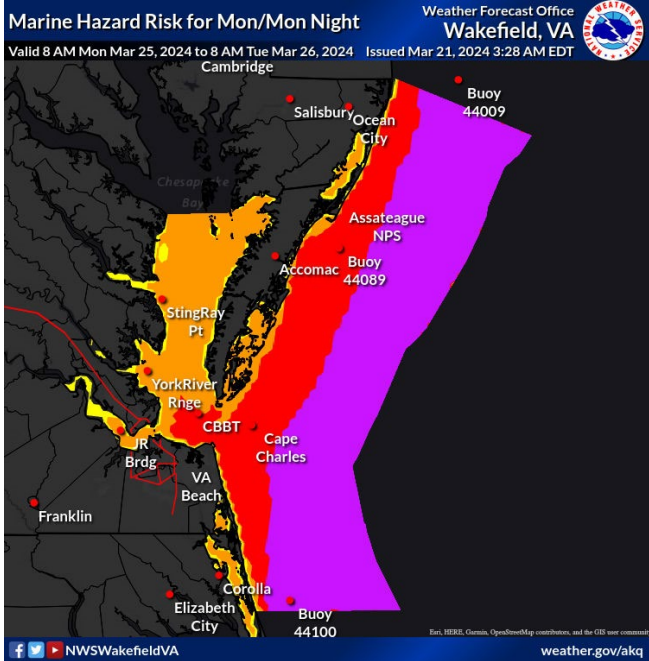
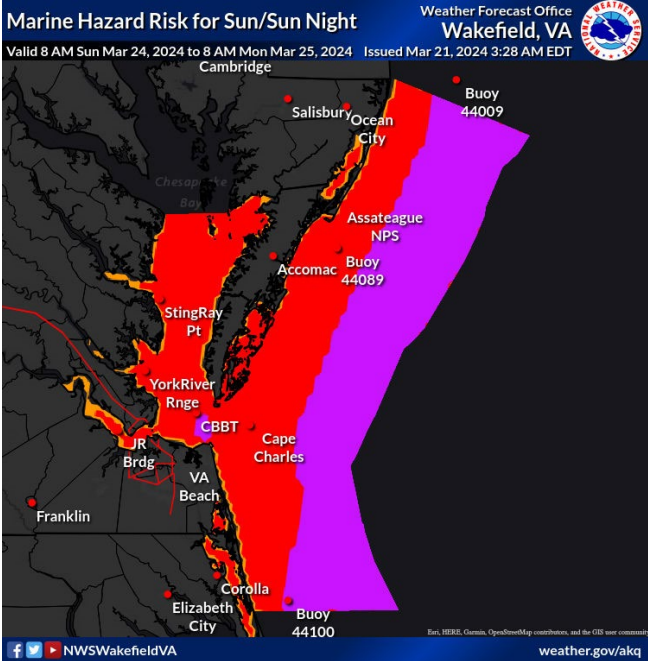
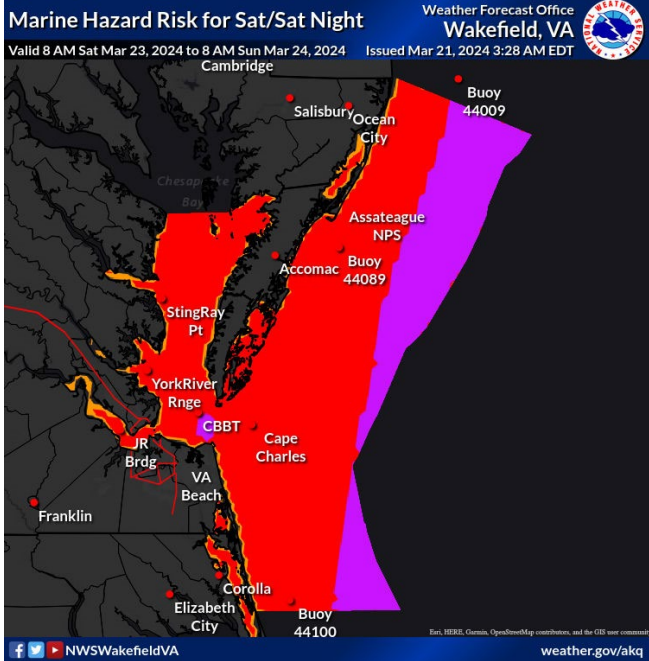
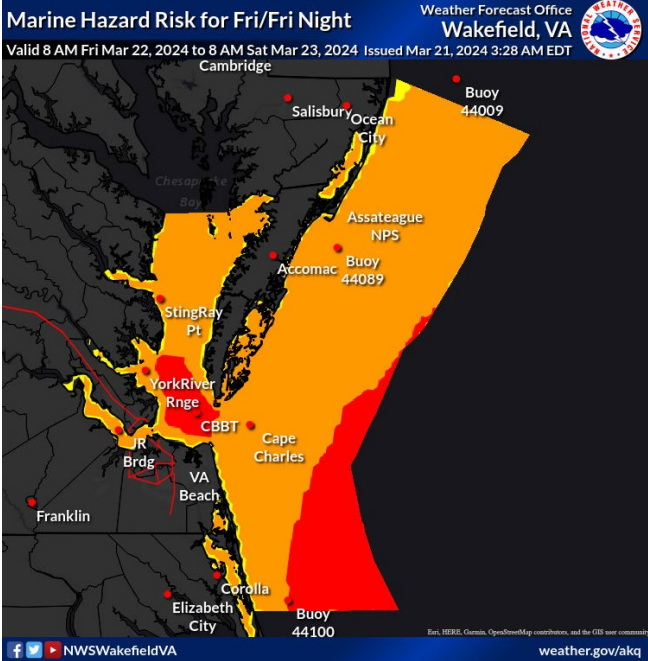
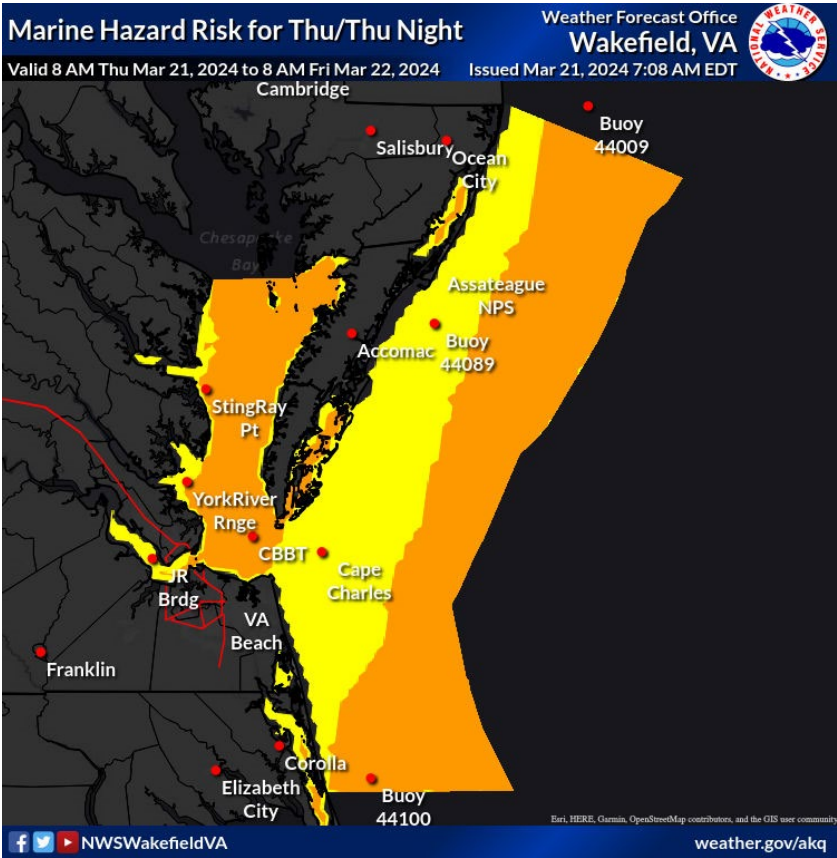
Small Craft Adv conditions are expected Friday night and Saturday with Gale conditions expected Sunday into Monday.





Marine Threat Potential - Next 5 Days

March 21, 2024
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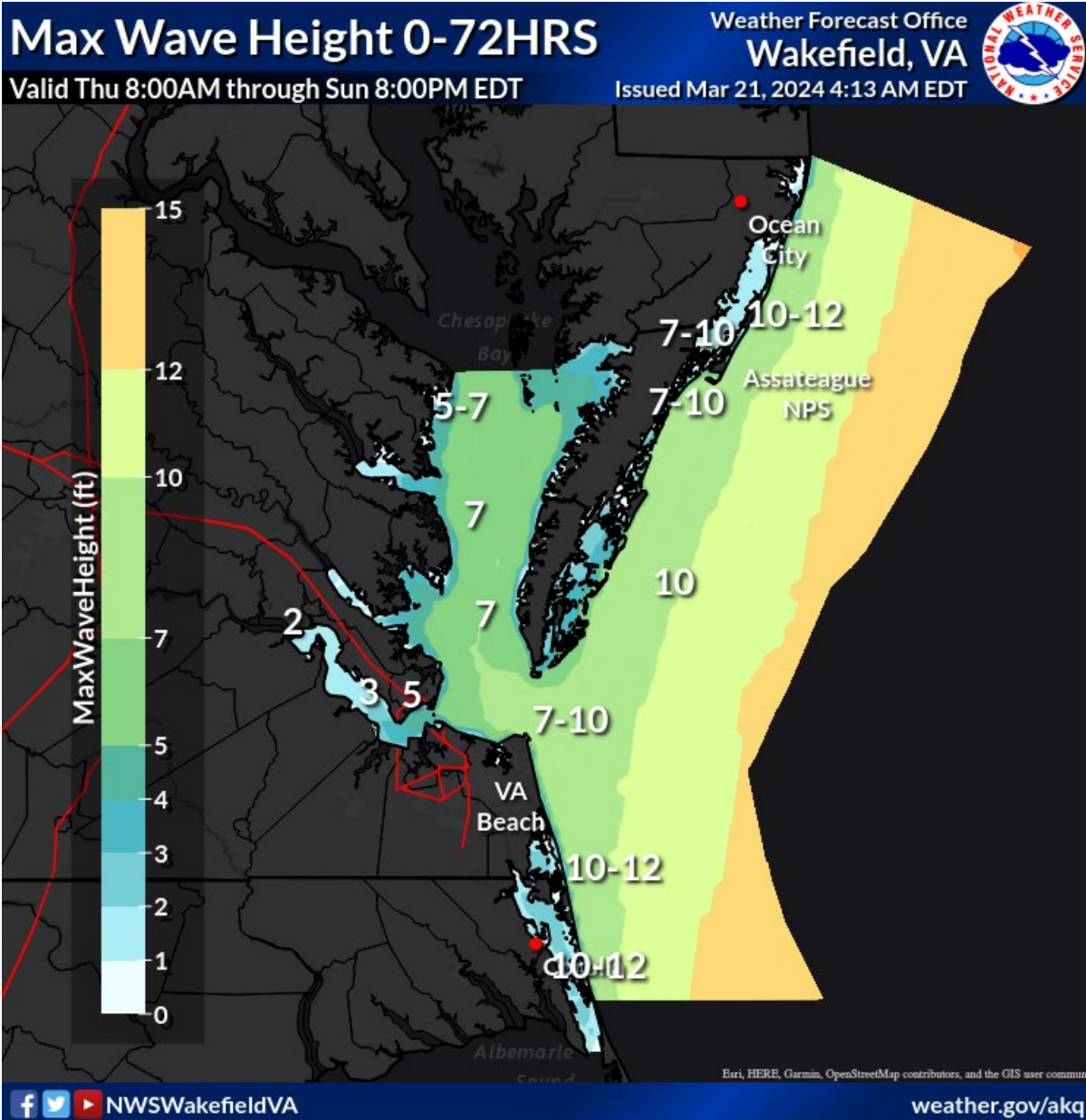
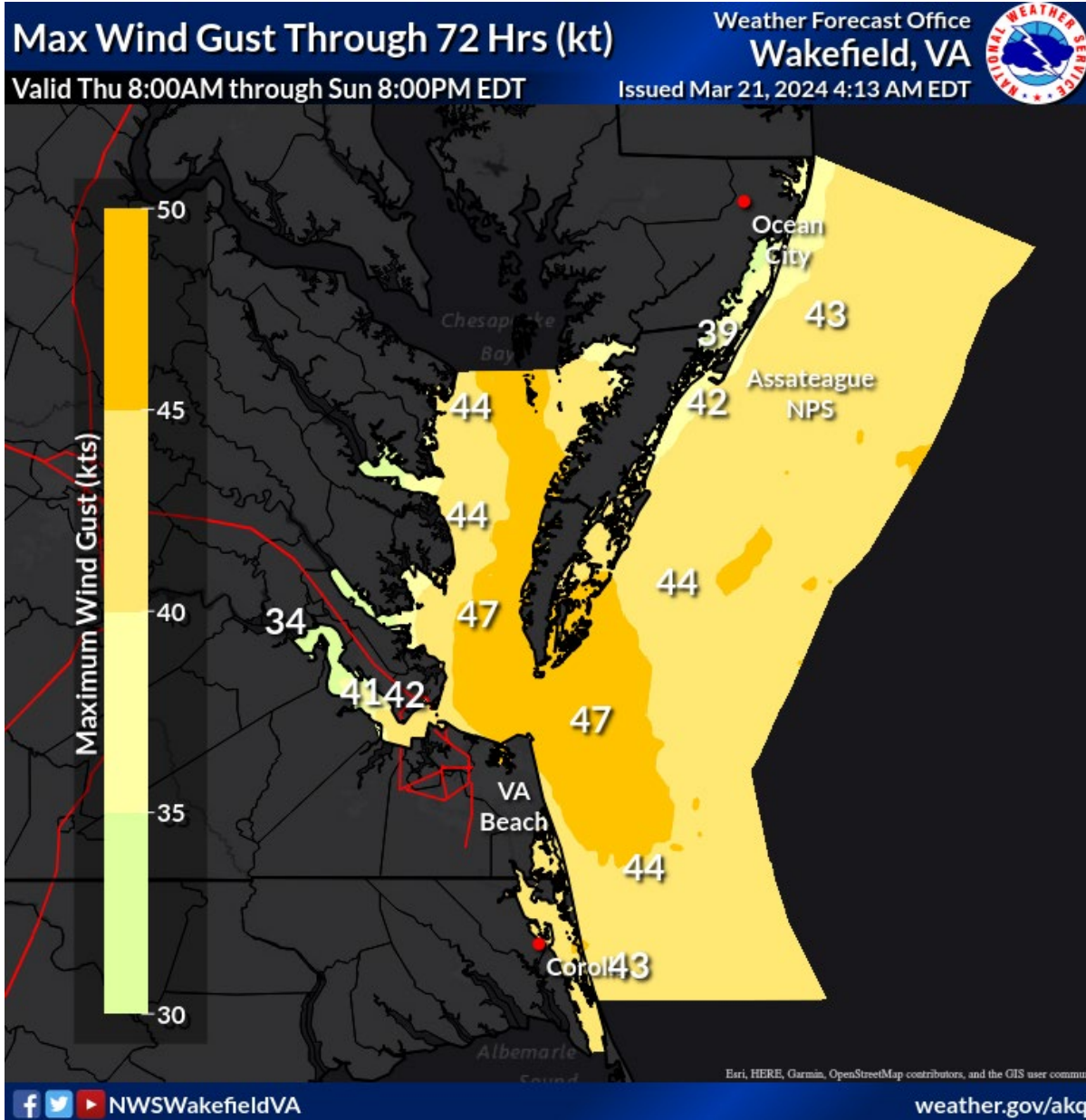
Limited	Wind Gusts \geq 20 knots (15 kt Bay & rivers) and/or Waves \geq 4 feet (2 ft Bay & rivers).
Elevated	Wind Gusts \geq 25 knots (20 kt Bay & rivers) and/or Waves \geq 5 feet (\geq 4 ft Bay & rivers).
Significant	Wind Gusts \geq 34 knots and/or Waves \geq 8 feet (\geq 5 ft Bay & rivers).
Extreme	Wind Gusts \geq 48 knots and/or Waves \geq 12 feet (\geq 8 ft Bay & rivers).





Marine Threat Potential

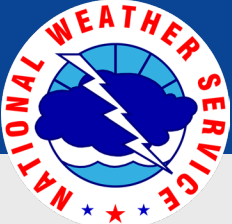
March 21, 2024
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Key Points:

- A storm system will track NE along the coast and offshore this weekend.
- Headlines: Small Craft Adv conditions are expected Fri night and Sat with Gales Sun and Mon.
- Wind & Timing: SE winds increase Fri night and Sat. Winds become NE and increase Sun.
- Seas & Timing: Seas will build rapidly Sat and Sun.

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



Marine Wind Forecast Summary

March 21, 2024
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Sustained Wind

Maximum Wind Speed Forecast

	3/22 Fri		3/23 Sat				3/24 Sun				3/25 Mon			
	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm
CBBT	17↘	18↘	22↘	28↘	25↘	34↘	36↘	35↘	27↘	23↘	22↘	21↘	20↘	19↘
Cape Henry	16↘	18↘	22↘	29↘	26↘	33↘	36↘	34↘	28↘	25↘	23↘	22↘	21↘	20↘
Chesapeake Light	15↘	18↘	23↘	31↘	27↘	31↘	34↘	34↘	30↘	27↘	25↘	24↘	23↘	22↘
Chincoteague Shoal	13↘	13↘	19↘	25↘	24↘	26↘	30↘	31↘	28↘	24↘	23↘	22↘	22↘	22↘
Duck, NC	15↘	17↘	23↘	28↘	25↘	29↘	33↘	32↘	28↘	26↘	24↘	22↘	22↘	21↘
Fenwick Shoal	11↘	10↘	16↘	24↘	26↘	24↘	29↘	29↘	26↘	21↘	21↘	20↘	20↘	20↘
HRBT	16↘	17↘	19↘	23↘	21↗	29↘	30↘	30↘	25↘	21↘	20↘	18↘	17↘	17↘
JRB	15↘	14↘	16↘	21↘	19↗	27↘	28↘	28↘	22↘	18↘	16↘	15↘	15↘	14↘
New Point Comfort	15↘	15↘	20↘	24↘	22↗	29↘	30↘	30↘	25↘	19↘	17↘	17↘	16↘	16↘
Parramore Banks	14↘	15↘	20↘	29↘	26↘	28↘	32↘	32↘	28↘	24↘	23↘	22↘	21↘	21↘
Rappahannock Light	15↘	15↘	20↘	25↘	22↘	33↘	34↘	33↘	25↘	19↘	18↘	18↘	16↘	16↘
Tangier	15↘	15↘	19↘	22↘	22↘	33↘	34↘	33↘	25↘	18↘	18↘	17↘	15↘	16↘
Thimble Shoal	17↘	18↘	21↘	27↘	24↗	33↘	35↘	35↘	27↘	22↘	20↘	19↘	18↘	18↘

*Table values in kt
**Created: 8 am EDT Thu 3/21/2024
***Values are maximums over the period beginning at the time shown.

Wind Gust

Maximum Wind Gust Forecast

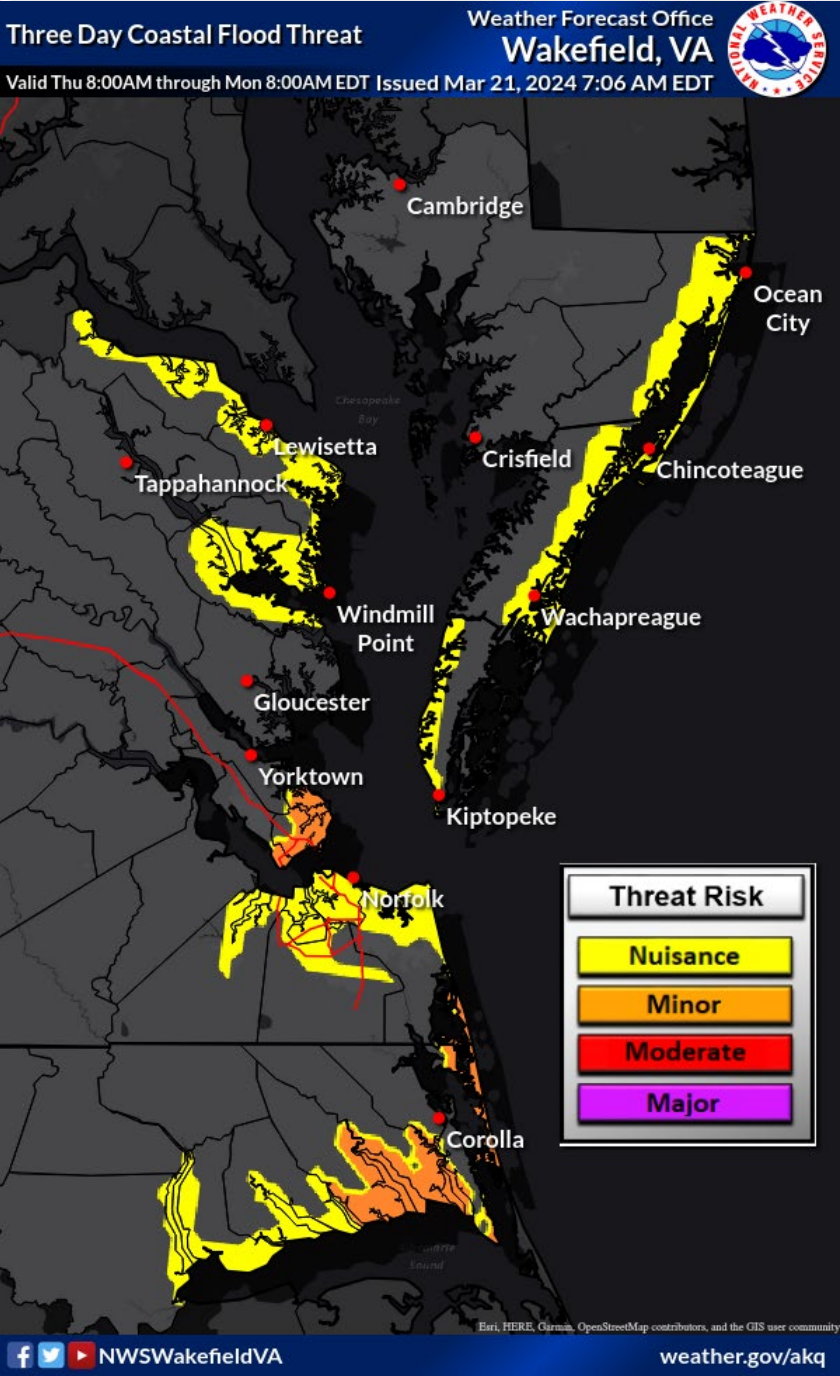
	3/22 Fri		3/23 Sat				3/24 Sun				3/25 Mon			
	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm
CBBT	21↘	23↘	28↘	35↘	31↘	43↘	45↘	44↘	34↘	29↘	28↘	26↘	25↘	24↘
Cape Henry	20↘	23↘	28↘	36↘	33↘	41↘	45↘	43↘	35↘	31↘	29↘	28↘	26↘	25↘
Chesapeake Light	19↘	23↘	29↘	39↘	34↘	39↘	43↘	43↘	38↘	34↘	31↘	30↘	29↘	28↘
Chincoteague Shoal	16↘	16↘	24↘	32↘	30↘	33↘	38↘	39↘	35↘	30↘	29↘	28↘	28↘	28↘
Duck, NC	19↘	22↘	28↘	36↘	32↘	37↘	41↘	41↘	36↘	33↘	31↘	28↘	28↘	27↘
Fenwick Shoal	15↘	14↘	23↘	37↘	40↗	31↘	36↘	38↘	37↘	32↘	31↘	30↘	30↘	30↘
HRBT	22↘	23↘	25↘	31↘	28↗	39↘	39↘	39↘	33↘	28↘	25↘	24↘	23↘	23↘
JRB	20↘	19↘	22↘	28↘	26↗	36↘	38↘	38↘	30↘	24↘	22↘	20↘	20↘	19↘
New Point Comfort	20↘	20↘	26↘	31↘	29↗	38↘	39↘	39↘	33↘	25↘	22↘	22↘	21↘	21↘
Parramore Banks	18↘	19↘	25↘	36↘	33↘	36↘	40↘	40↘	35↘	30↘	28↘	27↘	27↘	26↘
Rappahannock Light	19↘	19↘	25↘	31↘	28↘	41↘	43↘	41↘	31↘	24↘	23↘	23↘	20↘	20↘
Tangier	19↘	19↘	24↘	28↘	28↘	42↘	43↘	42↘	32↘	23↘	23↘	21↘	19↘	20↘
Thimble Shoal	21↘	23↘	26↘	34↘	30↗	41↘	44↘	44↘	34↘	28↘	25↘	24↘	23↘	23↘

*Table values in kt
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Tidal Flooding Overview

March 21, 2024
7:56 AM



Nuisance	Shallow flooding only in the most vulnerable locations. Expect around a half foot of inundation.
Minor	Up to 1 foot of inundation possible in vulnerable locations.
Moderate	1 to 2 feet of inundation expected. Water will extend inland from the waterfront.
Major	2 to 3 feet or more of inundation expected. Flooding will extend well inland.

Minor flooding from elevated tides and strong winds is possible across much of area during high tides Saturday and Sunday. Forecast flood potential and inundation could increase as the weekend approaches.

[Coastal Flood Webpage](https://www.weather.gov/erh/coastalflood?wfo=akq)

<https://www.weather.gov/erh/coastalflood?wfo=akq>





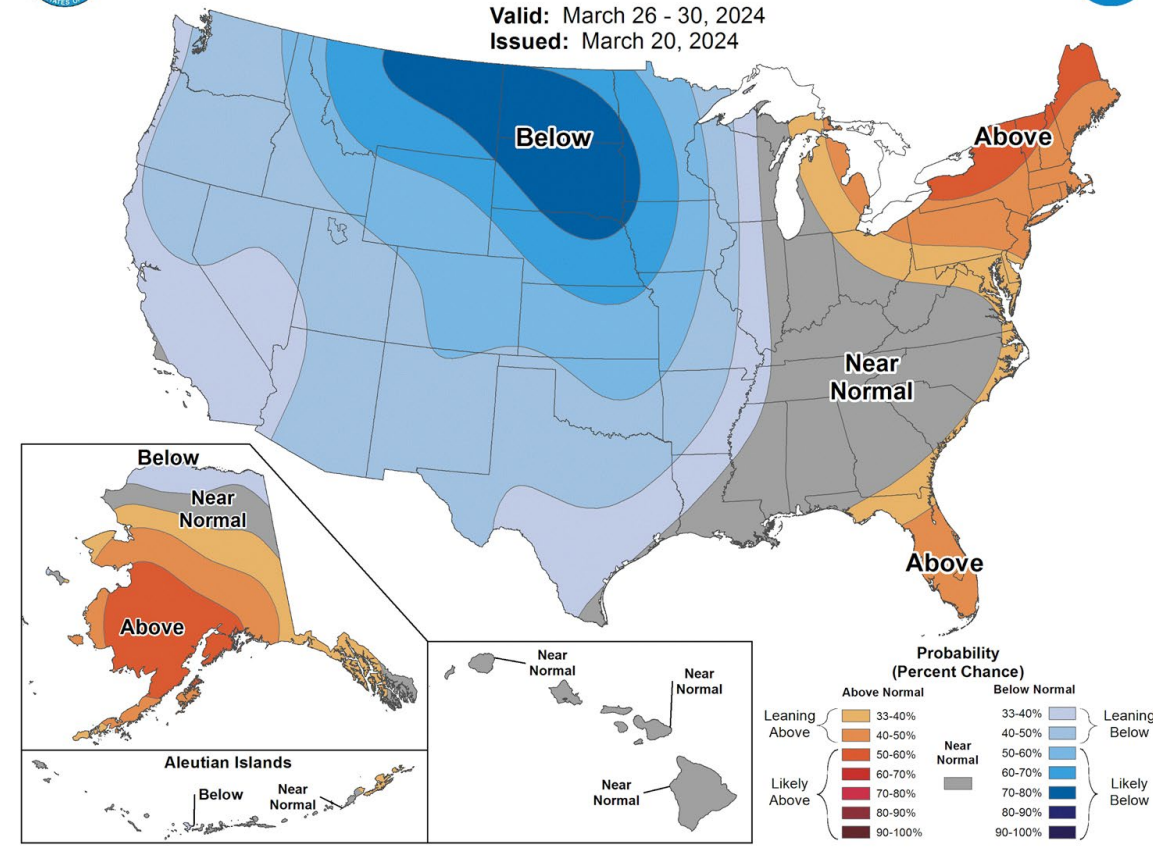
Looking Ahead to Next Week

March 21, 2024
7:56 AM



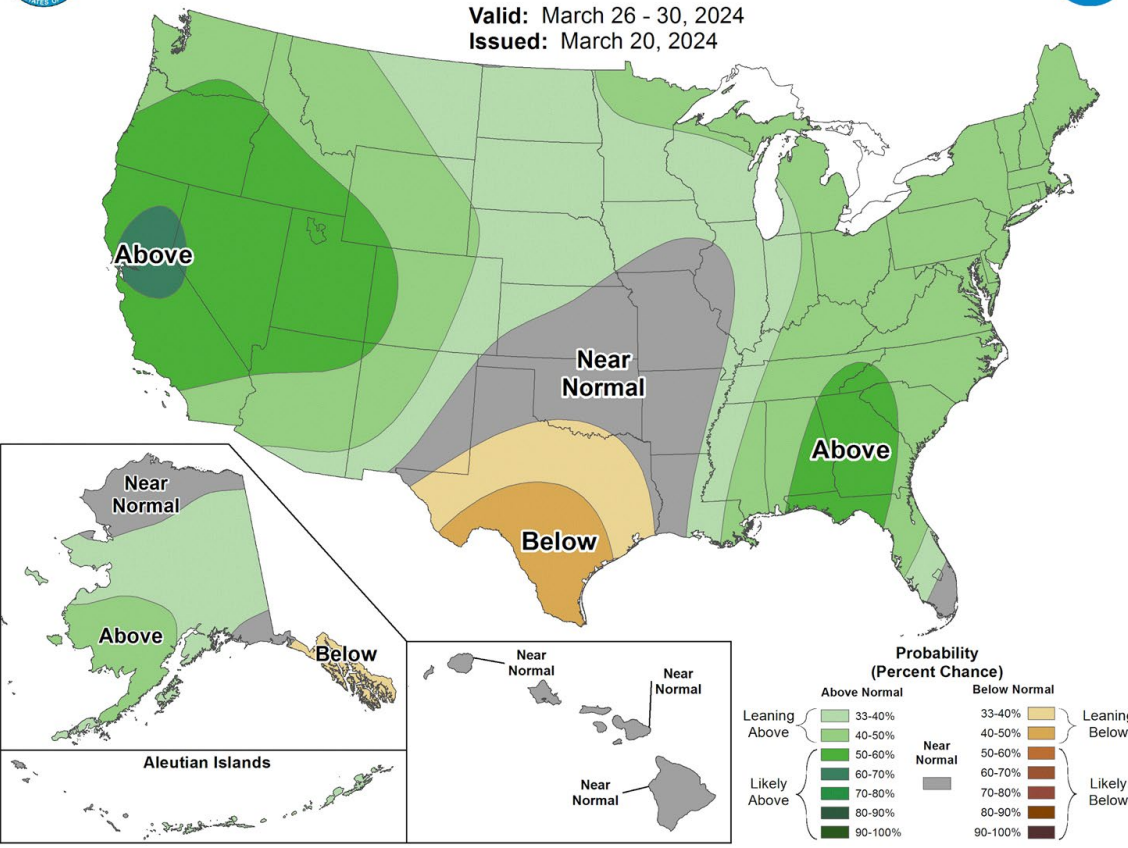
6-10 Day Temperature Outlook

Valid: March 26 - 30, 2024
Issued: March 20, 2024



6-10 Day Precipitation Outlook

Valid: March 26 - 30, 2024
Issued: March 20, 2024



Normal Temperatures:

Richmond:

Highs: Lower 60s
Lows: Upper 30s

Norfolk:

Highs: Around 60
Lows: Lower 40s

Salisbury, MD:

Highs: Mid 50s
Lows: Mid 30s

Elizabeth City, NC:

Highs: Lower 60s
Lows: Lower 40s

- **Near to Above** normal temperatures favored next week.
- **Above** normal precipitation chances favored next week.





Highlights

March 21, 2024
7:56 AM

- Very dry conditions persist today with an Increased Threat Of Fire Potential today. Winds are lighter than yesterday, however, humidity remains extremely low.
- Showers move in from the south Friday night with rainfall becoming moderate to occasionally heavy late Friday night into Saturday. Between 1.5 to up to 3 to 4 inches of rain is possible with the highest amounts east of I-95 to the coast and Eastern Shore.
- Southeast winds increase late Friday and Saturday gusting to 25 to 35 mph, highest near the coast, Bay and NE NC. Winds become northwest Sunday with peak winds gusts around 35 mph inland and near 50 mph along the Bay, coast, and NE NC.
- Minor coastal flooding is likely across the northern Albemarle Sound as well as the Bay and tidal rivers with Saturday and into Sunday.
- **Marine Weather** - Small Craft Advisory conditions are expected Friday with a southeast wind. Gale Conditions are expected Saturday as winds shift from the southeast to northwest. This shift in winds will result in dangerous wave conditions along the Bay and coastal waters.

