



# Coastal Low Weather Briefing

November 14, 2024  
8:17 AM

For eastern North Carolina

## Decision Support Briefing #2

→ As of 7:45 AM Thursday November 14, 2024

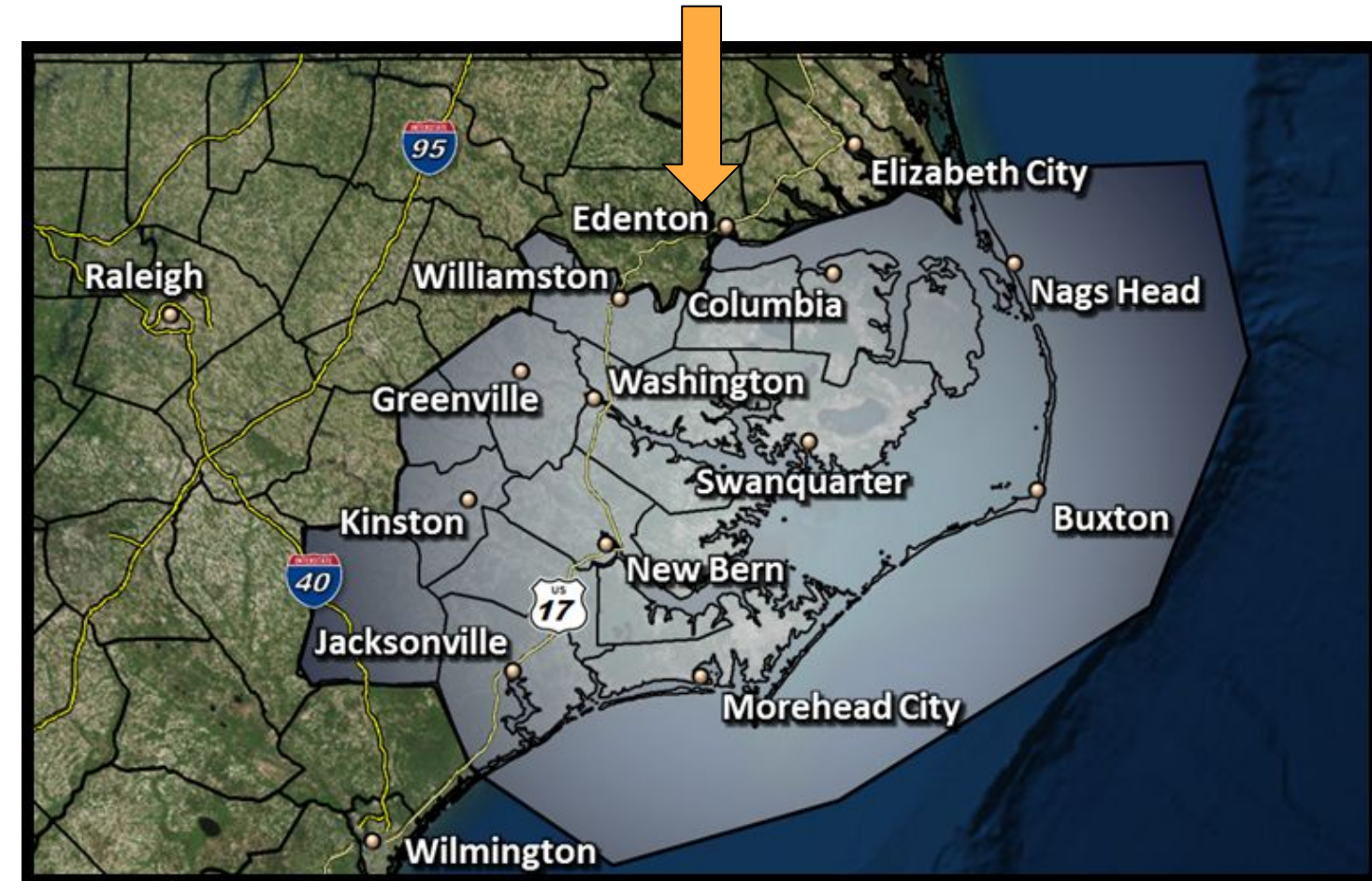
### Key Messages

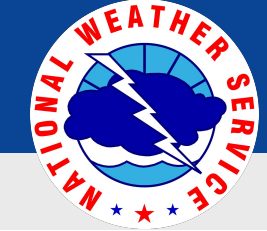
- A low pressure system will impact eastern NC today and Friday, bringing the potential for multiple hazards including: **strong winds, coastal impacts, heavy rain, and a tornado or two.**
- Minor coastal flooding may continue through the weekend with high astronomical tides

### NEW Important Updates

- High Wind Warning and Wind Advisories issued
- Coastal Flood Warning and Advisories issued
- High Surf Advisory issued
- Storm Force Wind and Gale Warnings issued

**Briefing applies to the Morehead City/Newport, NC area only**







# Main Points

For eastern North Carolina

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Hazard	Impacts	Location	Timing
<p><b>Coastal Flooding</b></p> 	<p><b>**Rapid water level rises possible soundside areas (Ocracoke and Hatteras Island)**</b></p> <p>Minor to locally moderate coastal flooding (soundside and oceanside) expected, with inundation 2-4 ft AGL</p> <p>Ocean overwash will likely impact portions of NC 12 on Hatteras and Ocracoke Islands</p> <p>Dangerous surf and minor beach erosion expected</p>	<p>Greatest impacts expected along the Outer Banks (soundside and oceanside)</p> <p>Minor impacts expected along the Crystal Coast</p>	<p>Main impacts are expected late tonight into Friday night</p> <p>Minor coastal flooding may continue Saturday and Sunday mainly due to high astronomical tides</p>
<p><b>Wind</b></p> 	<p>Northerly wind gusts 45-65 mph expected along the coast, strongest along the Outer Banks</p>	<p>Coastal NC</p>	<p>Friday</p>



# Main Points

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<b>Hazard</b>	<b>Impacts</b>	<b>Location</b>	<b>Timing</b>
<b>Marine</b> 	Very dangerous conditions with strong winds and large seas	All coastal waters, sounds and rivers	Tonight into Friday night
<b>Heavy Rain</b> 	Locally heavy rain may lead to minor localized flooding	All of eastern NC	This evening into Friday morning
<b>Tornado</b> 	A tornado or two is possible, producing enhanced areas of damage	South and east of a line from near Jacksonville to New Bern to Nags Head. The highest risk will be from Cape Lookout to Cape Hatteras	10 PM tonight to 7 AM Friday



# Threat Levels/Timing - Max Values

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	Thursday		Thursday Night		Friday		Friday Night		Saturday	
Wind	0	0	0	2	3	3	1	1	0	0
Coastal Flooding/Surge	1	0	0	2	3	3	1	1	2	1
Rain/Flooding	0	0	0	1	1	0	0	0	0	0
Tornado	0	0	0	1	0	0	0	0	0	0
Marine	1	1	2	3	4	4	3	2	1	1

### Effects and Impacts Legend

- 0** Little to No Impact
- 1** Minor Impact
- 2** Moderate Impact
- 3** High Impact
- 4** Extreme Impact

### Key Messages

- Timing and threat levels are based on the most likely or current track. **These are subject to CHANGE**
- Continue to monitor future updates and do not anchor on one forecast!



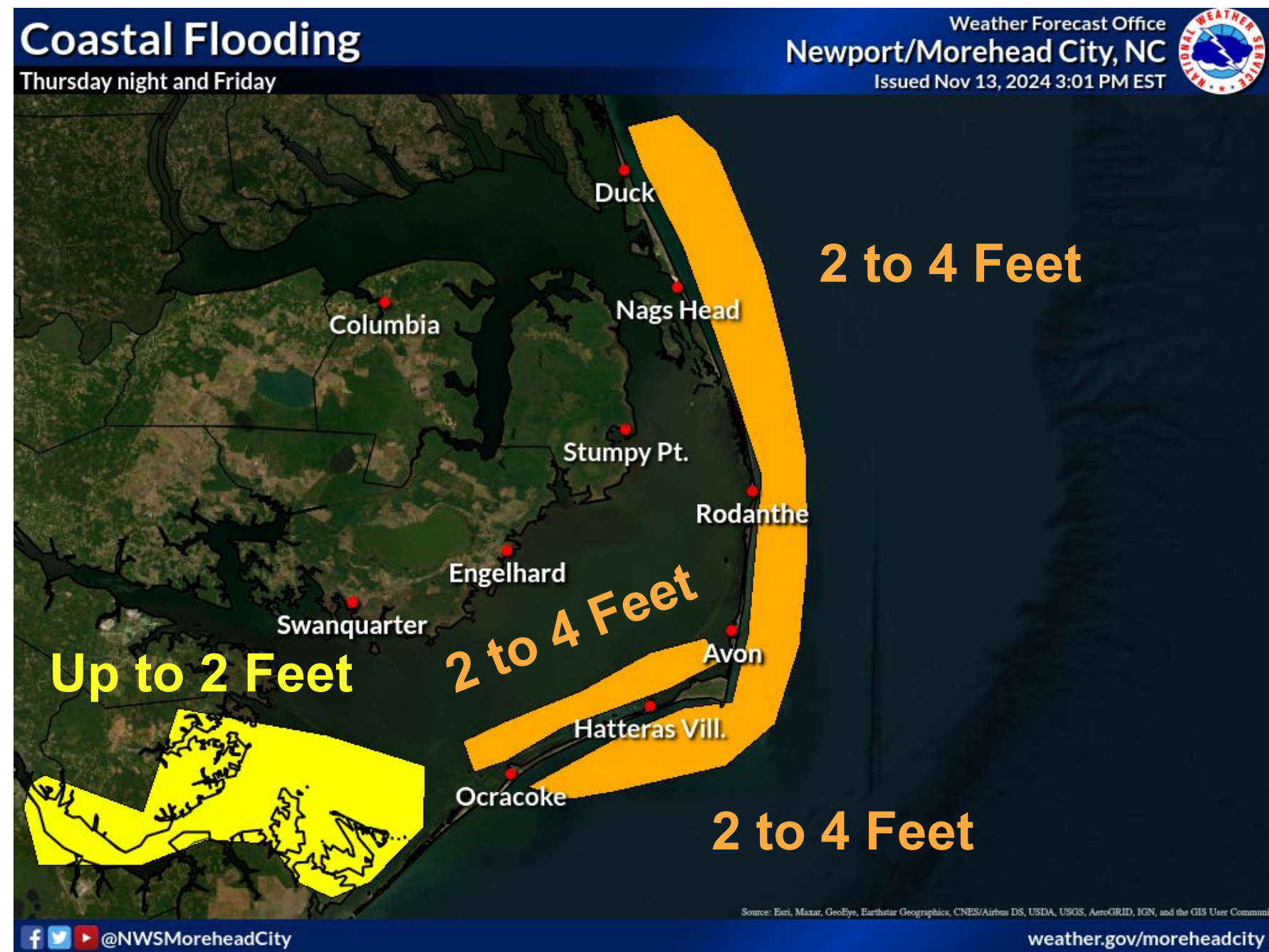




# Coastal Flooding - Outer Banks

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- Minor to moderate oceanside and soundside coastal flooding with inundation 2-4 ft AGL expected late tonight and Friday
- There is potential for rapid water level rises for soundside Ocracoke and southern Hatteras Islands Friday as strong North winds develop
- Ocean overwash may impact portions of HWY 12 in Hatteras and Ocracoke Islands



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

National Weather Service  
Newport/Morehead City, NC

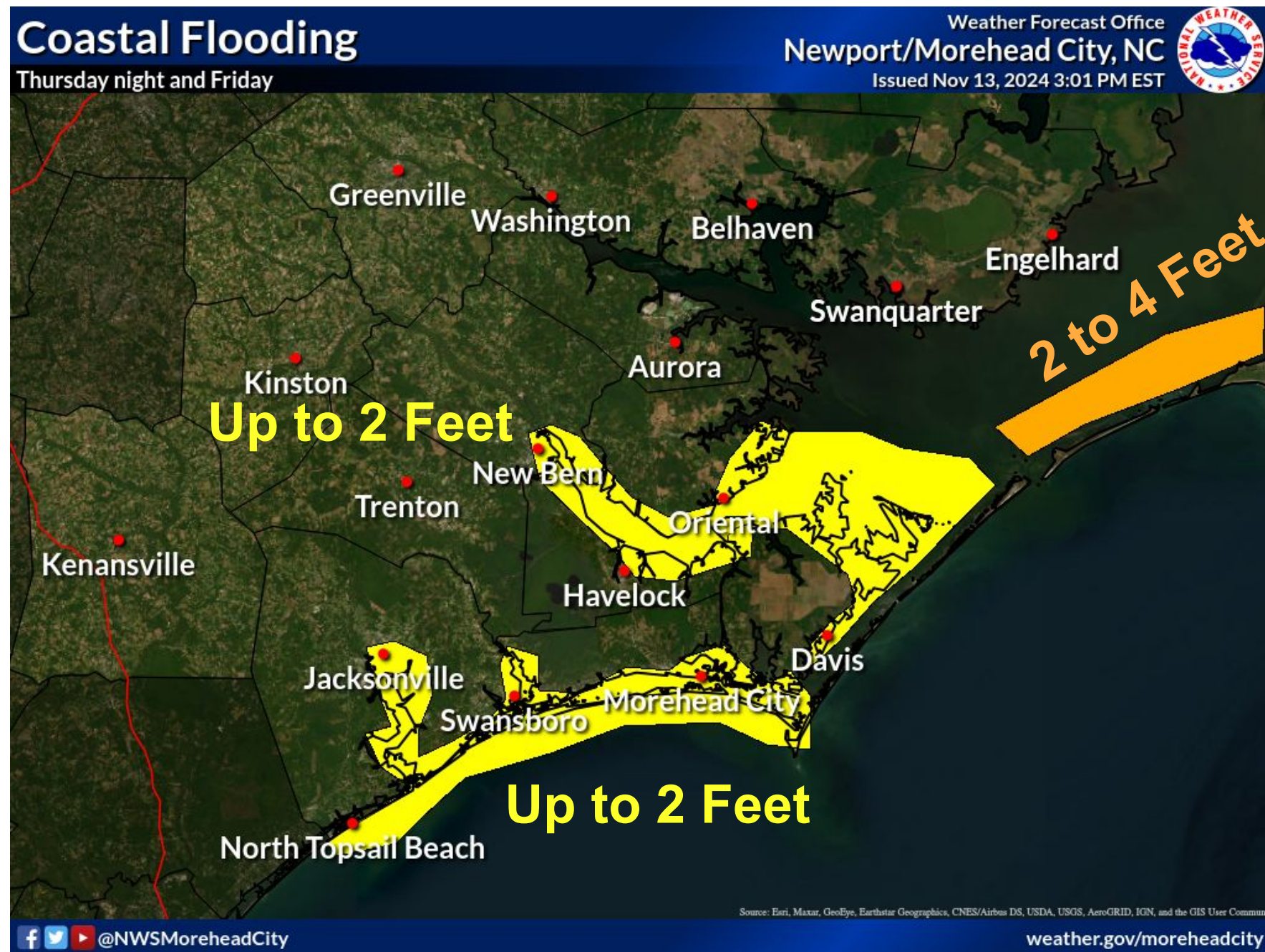




# Coastal Flooding - Southern Coast and Rivers

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- **Minor coastal flooding expected along the southern coast and areas adjacent to the Neuse River, with inundation up to 2 ft agl**
- **Minor coastal flooding may continue through the weekend, with high astronomical tides**







# Maximum Wind Gusts

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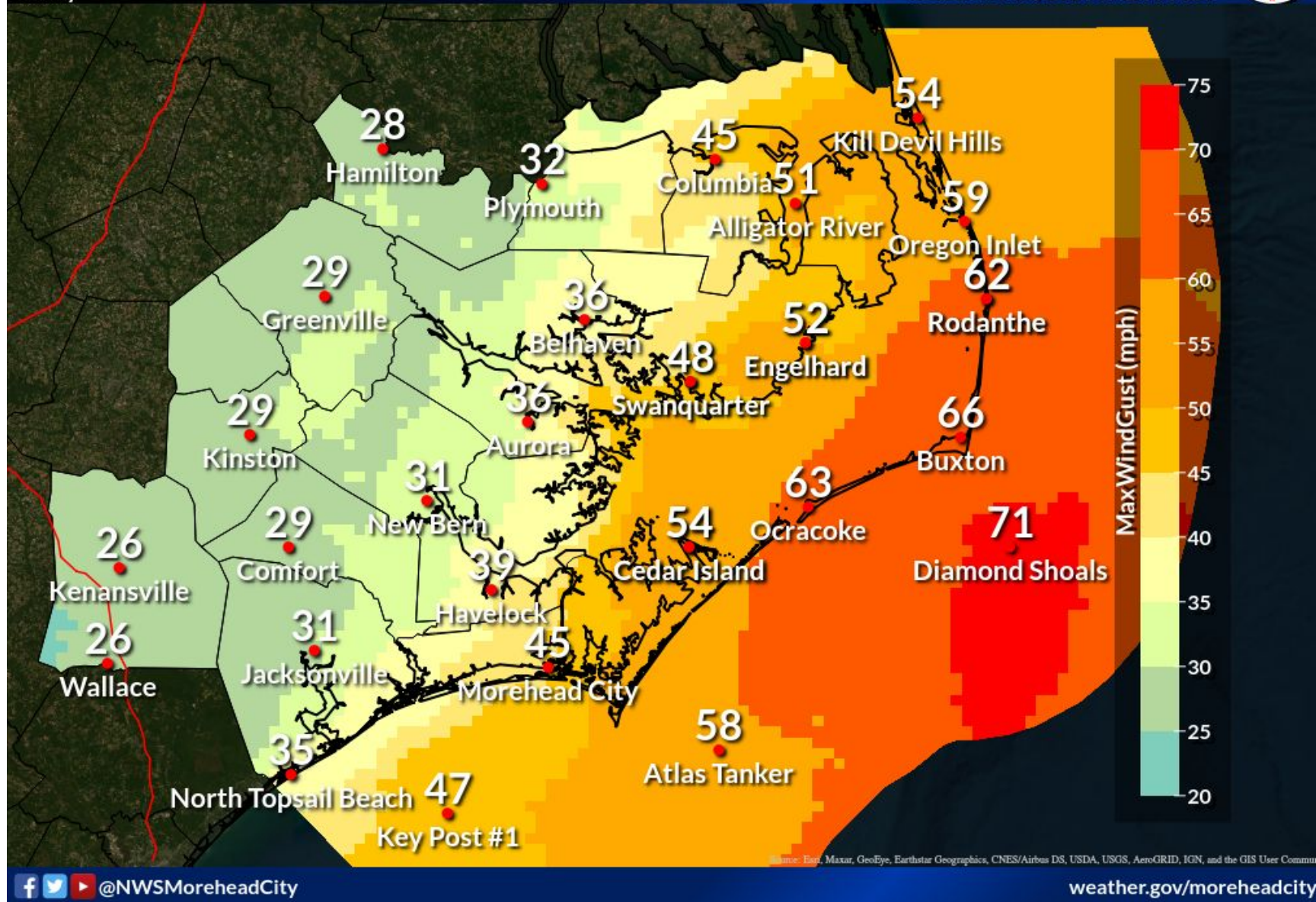
For eastern North Carolina

## Maximum Wind Gusts (MPH)

Friday

Weather Forecast Office  
Newport/Morehead City, NC

Issued Nov 14, 2024 5:42 AM EST



- Strong north winds with gusts 45-65 mph expected along the coast (strongest Outer Banks) Friday
- Isolated trees down, power outages

@NWSMoreheadCity

weather.gov/moreheadcity



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U.S. Department of Commerce

National Weather Service  
Newport/Morehead City, NC

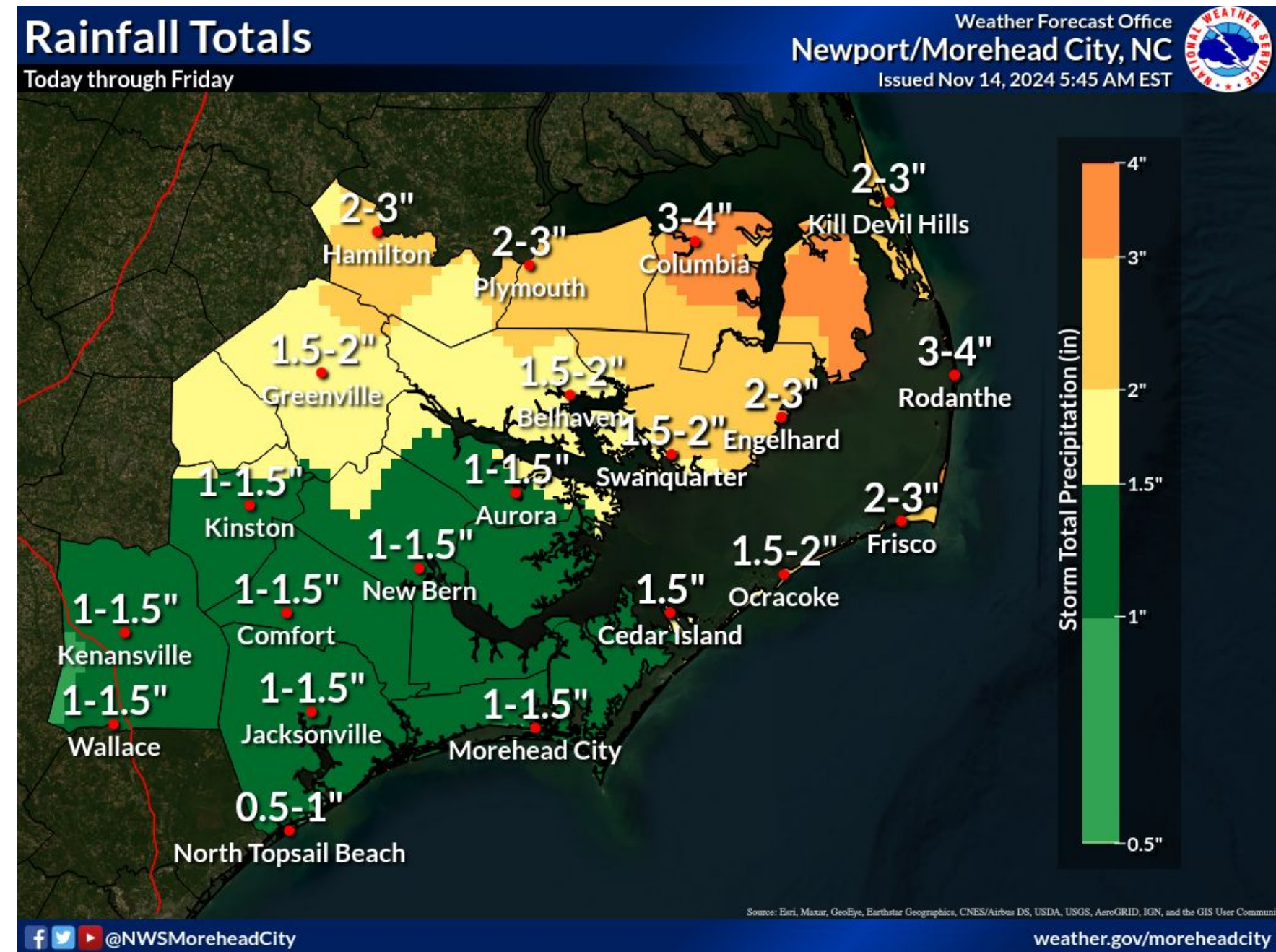




# Heavy Rain / Minor Flooding Potential

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- The majority of the area will not see ANY flooding impacts from the rain and this will be very beneficial
- Locally heavy rain may result in localized minor flooding this evening into Friday morning







# Maximum Wave Heights

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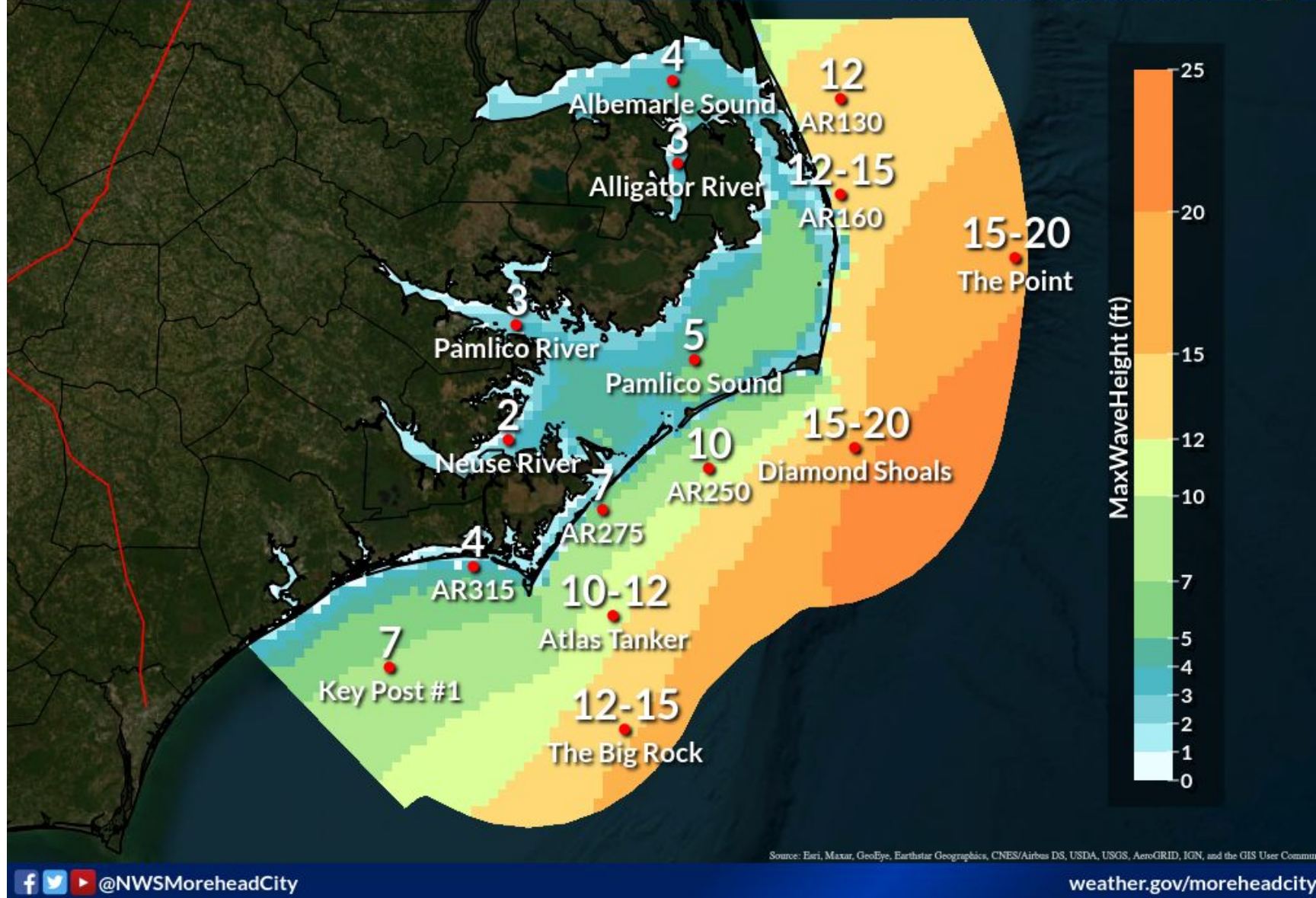
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## Maximum Wave Height

Friday

Weather Forecast Office  
Newport/Morehead City, NC

Issued Nov 14, 2024 5:47 AM EST



- Hazardous seas which could capsize or damage vessels and reduce visibility
- Large breaking waves leading to beach erosion



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National Weather Service  
Newport/Morehead City, NC

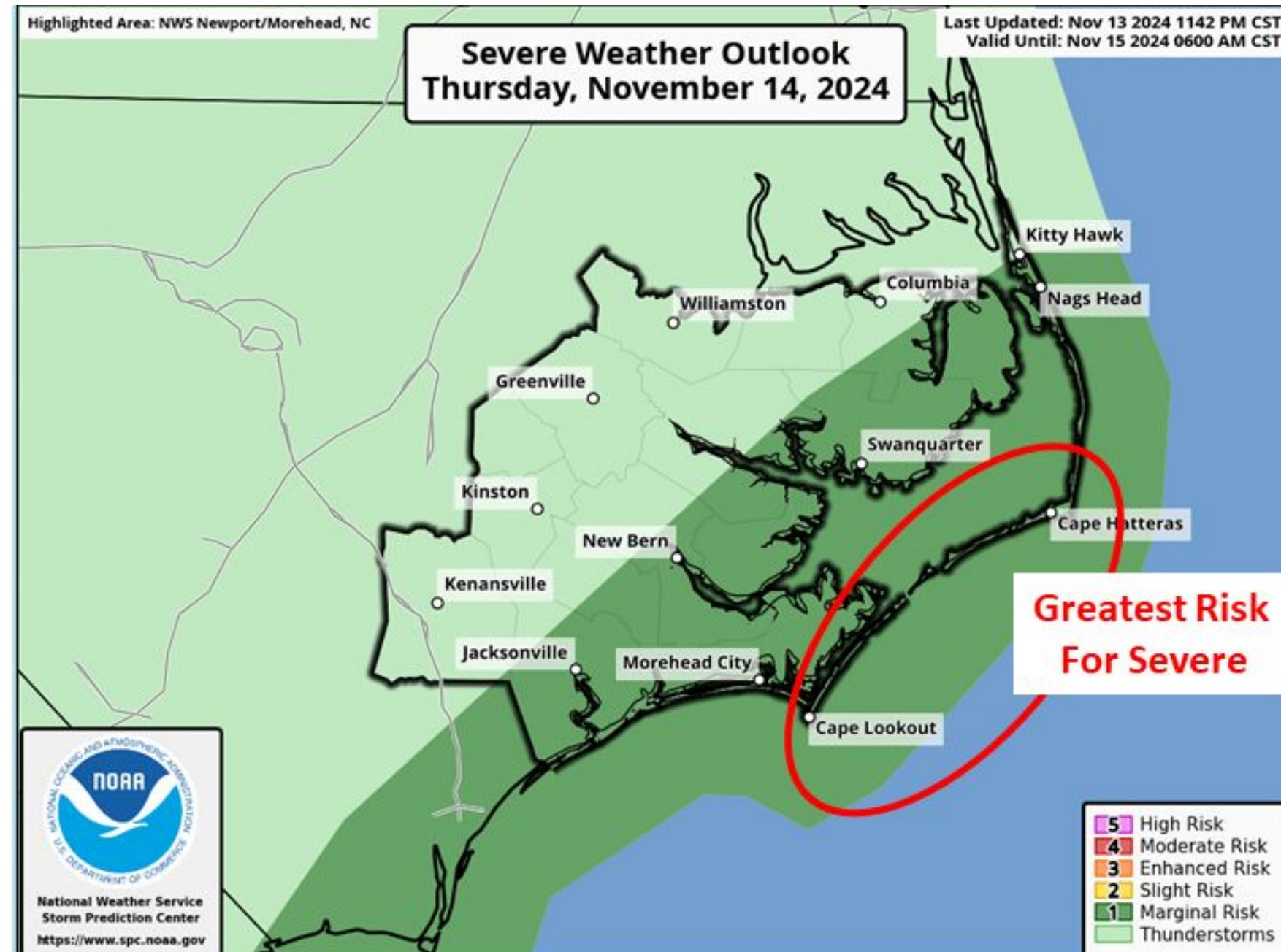




# Severe Weather Outlook

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- Damaging wind gusts possible especially near or in the darker green shaded areas.
- The area circled in RED has the highest risk for severe weather.
- An tornado or two is possible.
- Have multiple ways to receive warnings overnight







# Have Multiple Ways To Receive Warnings

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Highest Severe Risk 10PM To 7AM Tonight

## WHEN STORMS STRIKE AFTER DARK

### How Will **You** Get the Warning?



Local TV



Weather Apps



Websites



Radio



Weather Radio

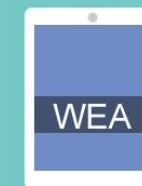
## 6 WAYS to receive a warning



NOAA Weather Radio



Local TV and Radio



Wireless Emergency Alerts  
& Weather Apps



Outdoor Sirens



Internet Sites

mobile.weather.gov



From Your Friends,  
Family and Coworkers



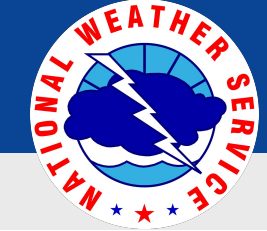
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Newport/Morehead City, NC



# Contact and Next Briefing Information

November 14, 2024  
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For National Weather Service Newport / Morehead City



## Briefing Webpage

→ [weather.gov/media/mhx/LatestBriefing.pdf](https://weather.gov/media/mhx/LatestBriefing.pdf)



## Next Briefing

→ By 5 pm Thursday November 14th, 2024  
→ Method: Email



## Disclaimer

→ Information contained in this briefing is time-sensitive  
→ Do Not Use After: 5 pm Thursday November 14th, 2024



## Contact Information

### Web

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

### Phone

→ 252 223 5737

### Email

→ [wxobs.mhx@noaa.gov](mailto:wxobs.mhx@noaa.gov)

### Facebook

→ [www.facebook.com/NWSMoreheadCity](https://www.facebook.com/NWSMoreheadCity)

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