

Strong Cold Front Today and Tomorrow

Decision Support Briefing # 6
As of: 7 AM Tuesday, Jan 9, 2024





Briefing applies to the
Morehead City/Newport, NC
Area Only



What Has Changed?

- **No headline changes from the previous briefing**

Main Points

Hazard	Impacts	Location	Timing
Wind 	<p>Extremely windy conditions will damage trees, power lines, and structures, and may result in scattered to widespread power outages. Hazardous driving conditions for high-profile vehicles are likely.</p>	<p>All of Eastern NC</p>	<p>Strongest winds this afternoon through tonight</p>
Coastal Flooding 	<p>Coastal Flooding: Moderate to significant inundation likely.</p> <p>Ocean Overwash: Large surf will bring beach erosion and the potential for significant overwash in vulnerable areas.</p>	<p>Soundside - Soundside Outer Banks and the western Pamlico Sound including Pamlico/Pungo Rivers, with potential for inundation 2-4 ft above ground level (agl) with locally higher amounts possible</p> <p>Soundside - Neuse/Bay Rivers & Crystal Coast area with inundation up to 2 ft agl</p> <p>Ocean Overwash: All beaches, but especially from Oregon Inlet to Ocracoke and North Topsail</p>	<p>Coastal Flooding: Highest inundation tonight into tomorrow</p> <p>Ocean Overwash: Greatest impacts this afternoon into tomorrow</p>
Severe Weather 	<p>Areas of enhanced wind damage to trees, power lines, and structures</p> <p>Isolated instances of flash flooding, as well as flooding of urban and poor-drainage areas.</p>	<p>All of Eastern NC</p>	<p>This afternoon through tonight</p>
Marine 	<p>Extremely hazardous conditions for mariners (due to strong winds and dangerous seas)</p> <p>Dangerous conditions along area beaches</p>	<p>All coastal marine zones and area beaches.</p>	<p>Today into tomorrow</p>

Summary of Greatest Impacts



Strong Winds: See Maps to Follow



Coastal Flooding: See Maps to Follow



Severe Weather and Rainfall: See Maps to Follow



Marine: All Marine Areas

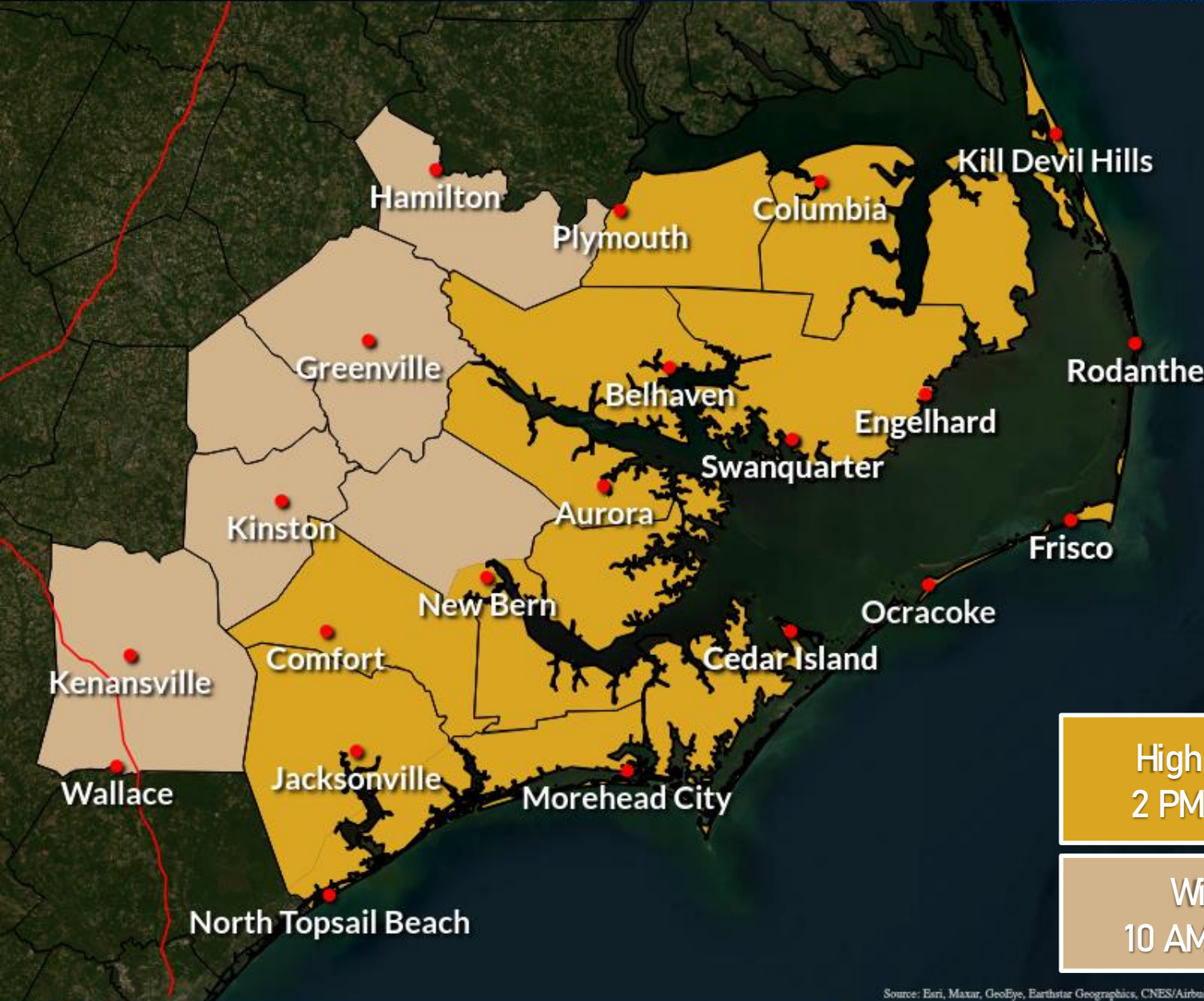


Wind Headlines

Tuesday and Wednesday

Weather Forecast Office
Newport/Morehead City, NC

Issued Jan 08, 2024 3:55 PM EST



High Wind WARNING
2 PM Tue – 1 AM Wed

Wind ADVISORY
10 AM Tue – 1 AM Wed

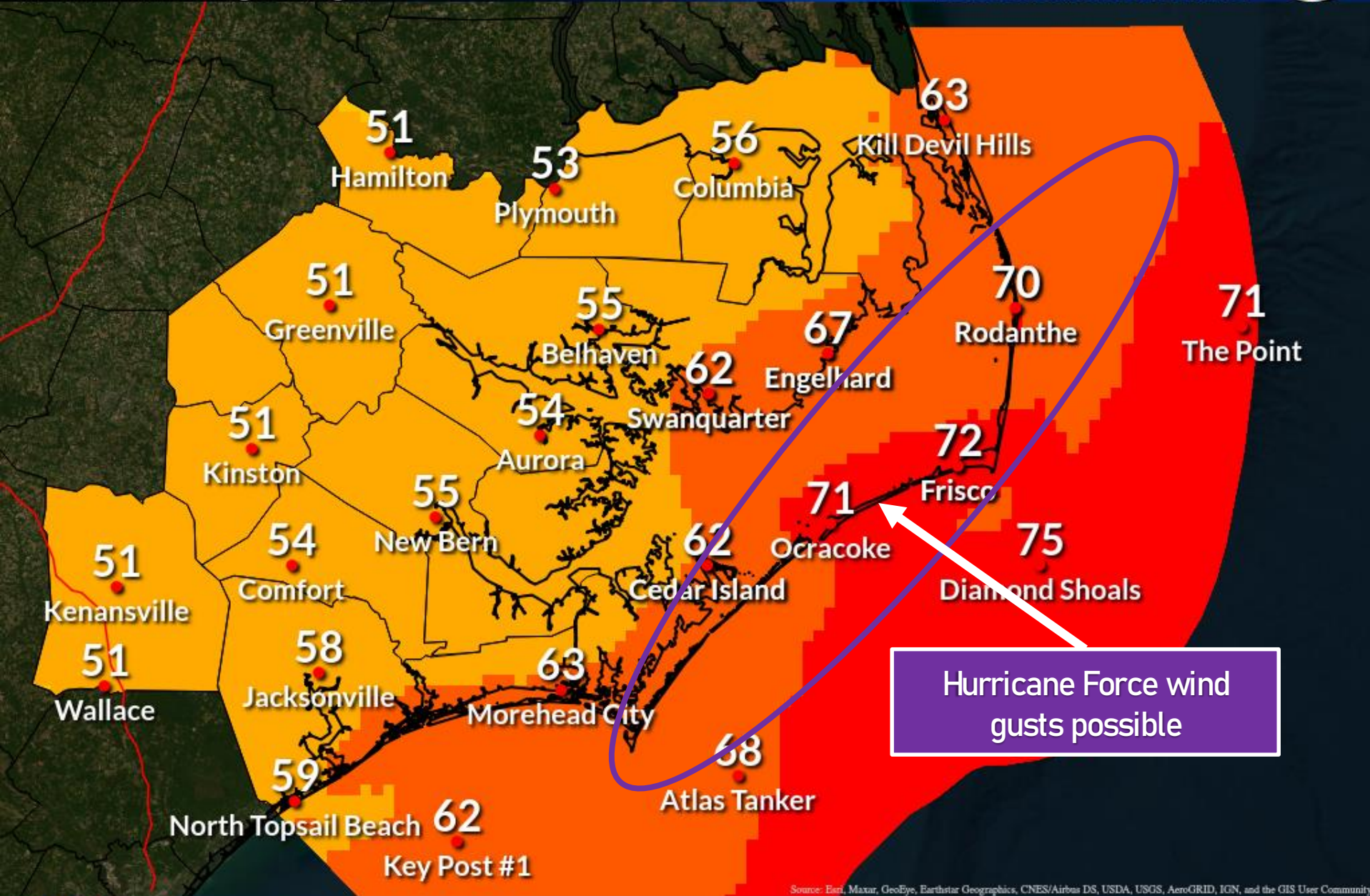
Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Peak Wind Gusts

This Afternoon Through Midnight

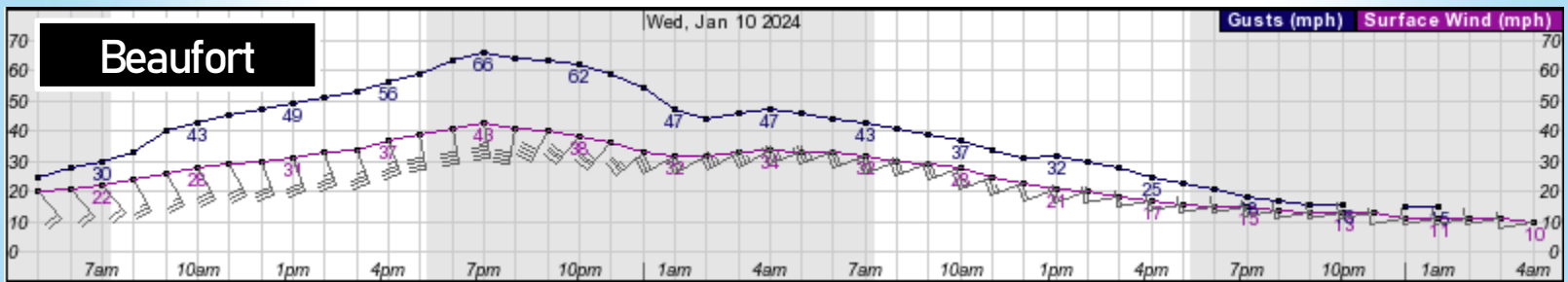
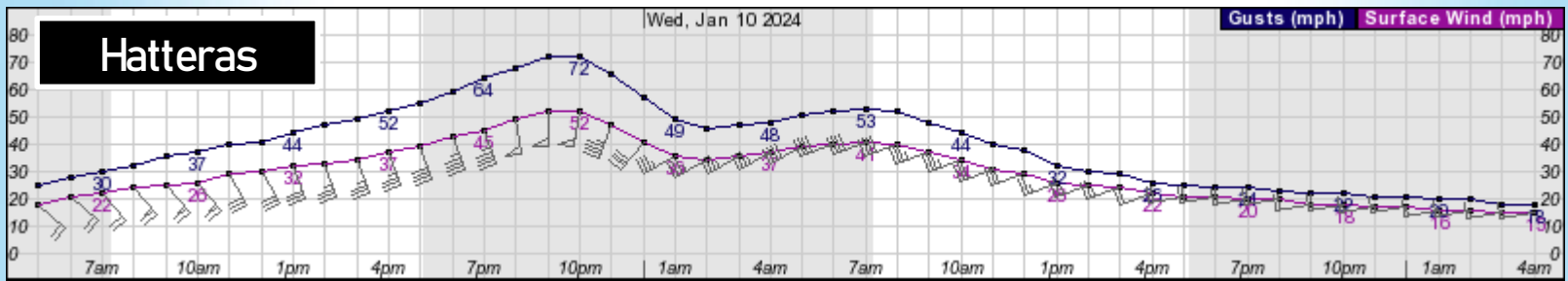
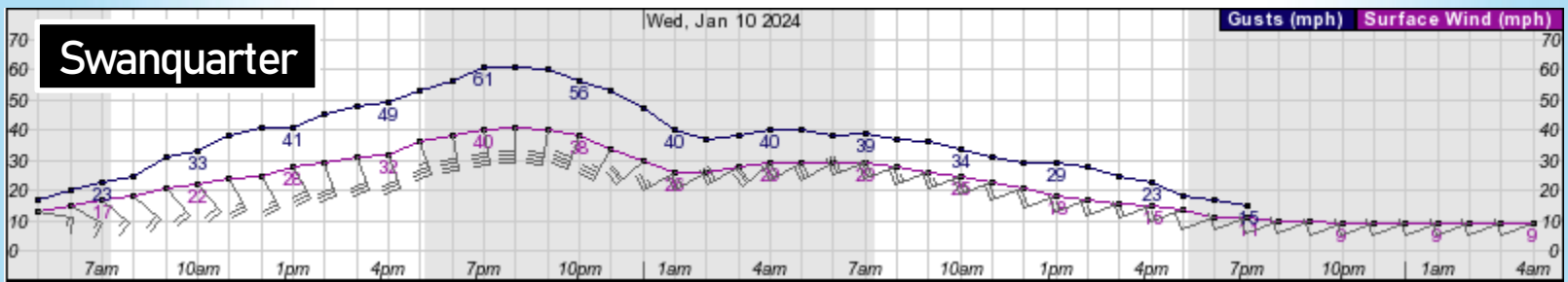
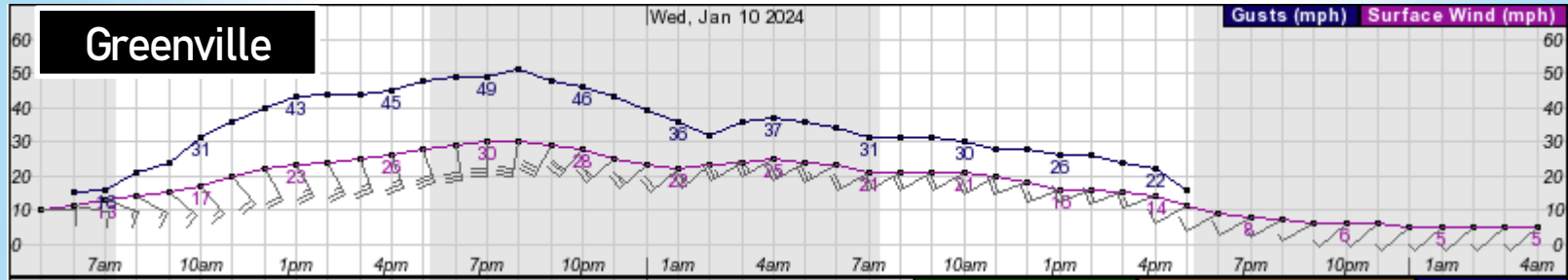
Weather Forecast Office
Newport/Morehead City, NC

Issued Jan 09, 2024 5:12 AM EST



Hurricane Force wind gusts possible

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



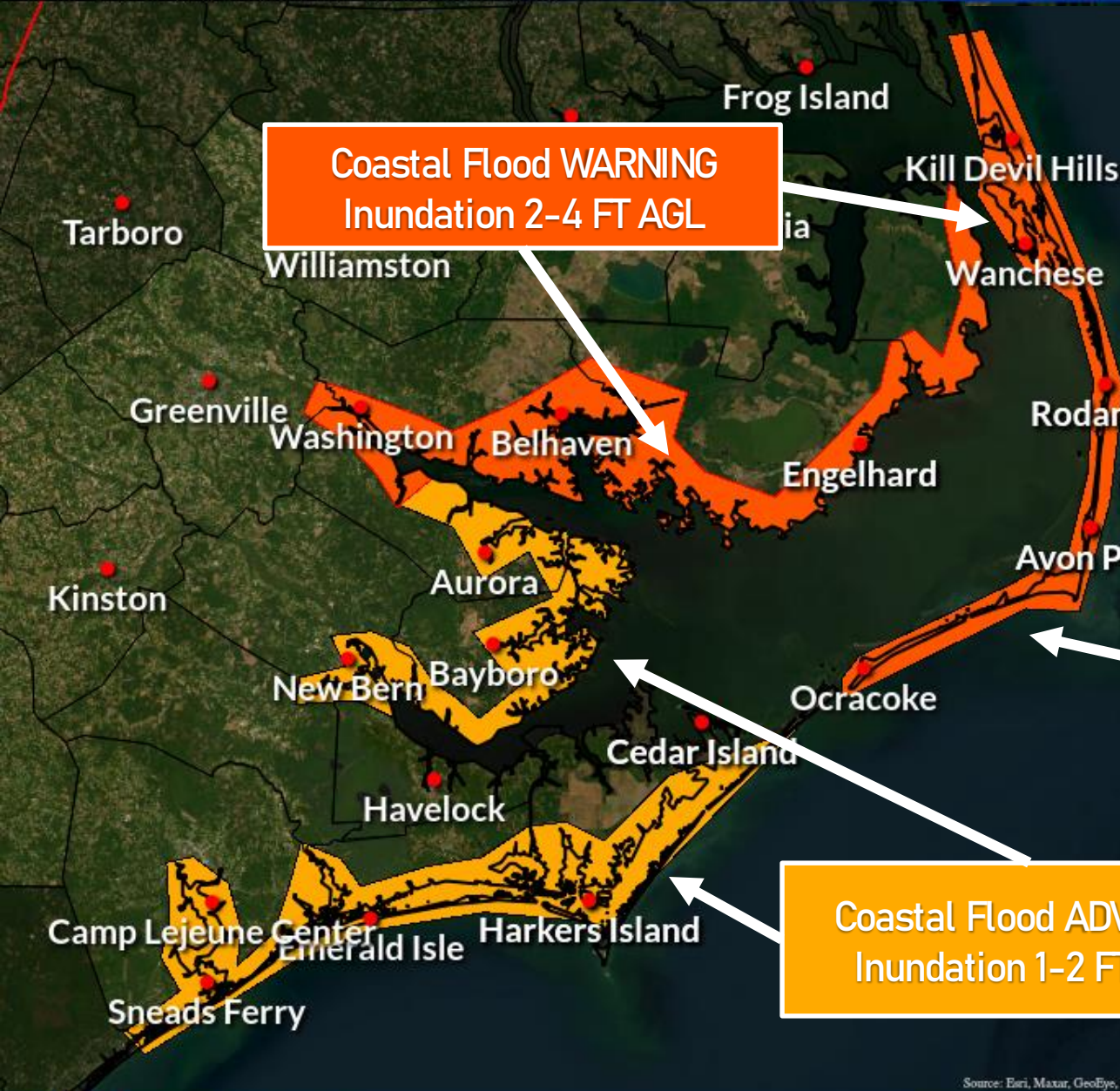
Coastal Flooding Threat

Weather Forecast Office
Newport/Morehead City, NC

Issued Jan 08, 2024 3:11 PM EST



Valid Today and Tonight



Coastal Flood **WARNING**
Inundation 2-4 FT AGL

High Surf **ADVISORY** for all area beaches

****Rapid Water Rises Likely****
Tonight Into Tomorrow
North of Buxton

Moderate to significant ocean overwash expected to impact portions of NC 12

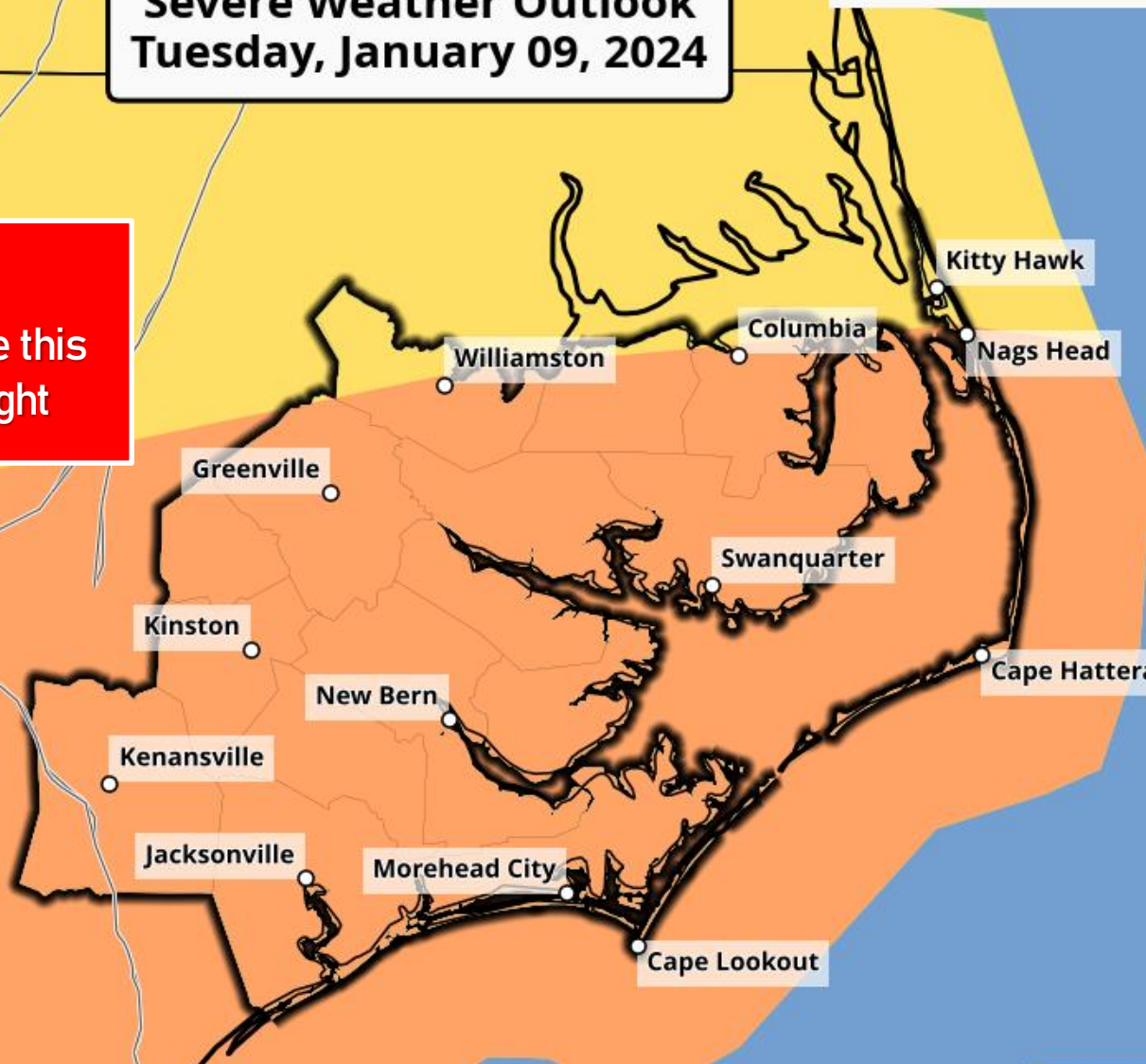
Coastal Flood **ADVISORY**
Inundation 1-2 FT AGL

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Severe Weather Outlook Tuesday, January 09, 2024

Scattered severe thunderstorms possible this afternoon until midnight

Damaging wind gusts (70-80 mph) and a few (potentially strong) tornadoes



- 5 High Risk
- 4 Moderate Risk
- 3 Enhanced Risk
- 2 Slight Risk
- 1 Marginal Risk
- Thunderstorms

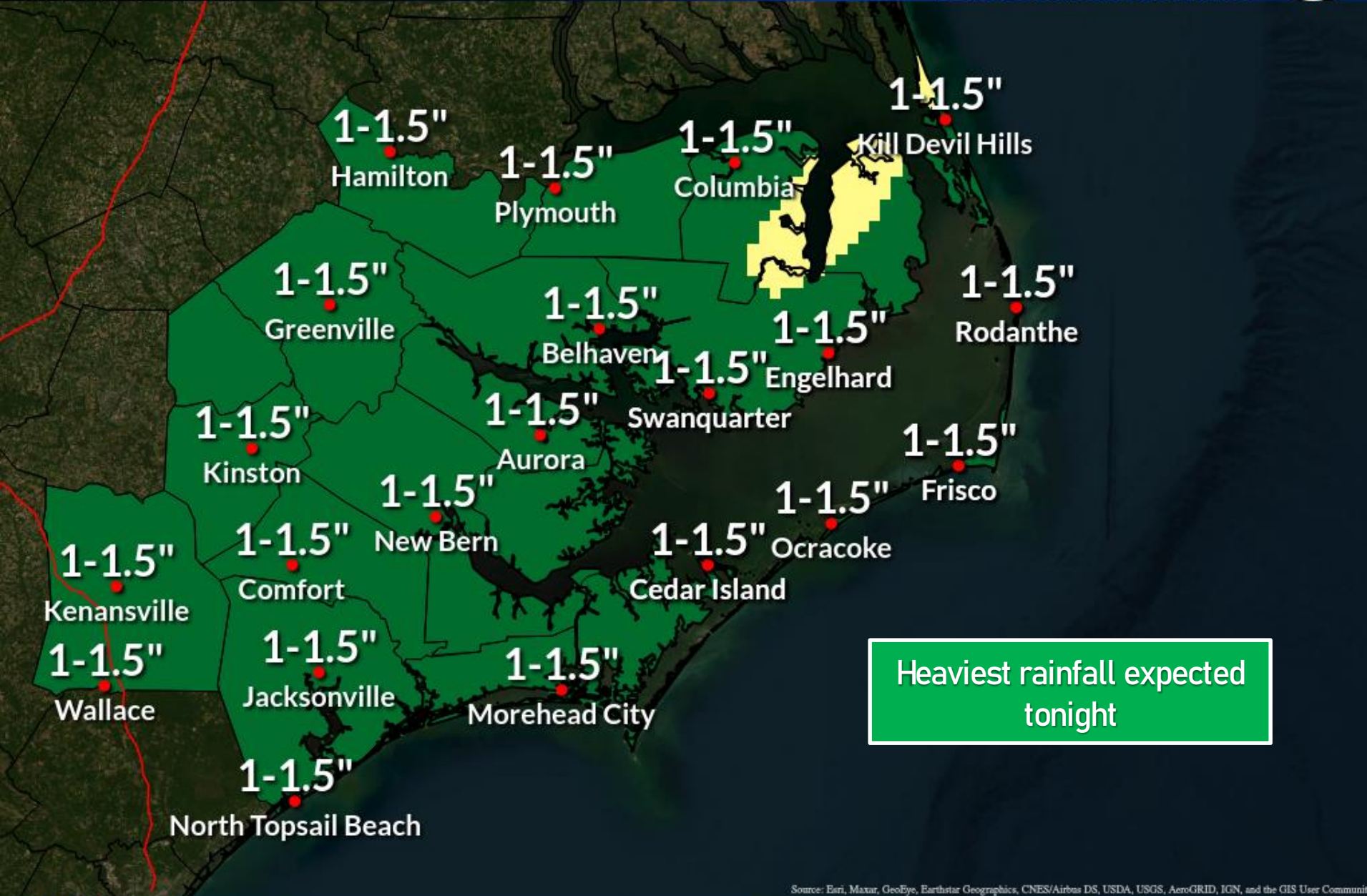


Storm Total Rainfall

Today Into Tomorrow

Weather Forecast Office
Newport/Morehead City, NC

Issued Jan 09, 2024 5:13 AM EST



Heaviest rainfall expected tonight

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Storm Total Rainfall

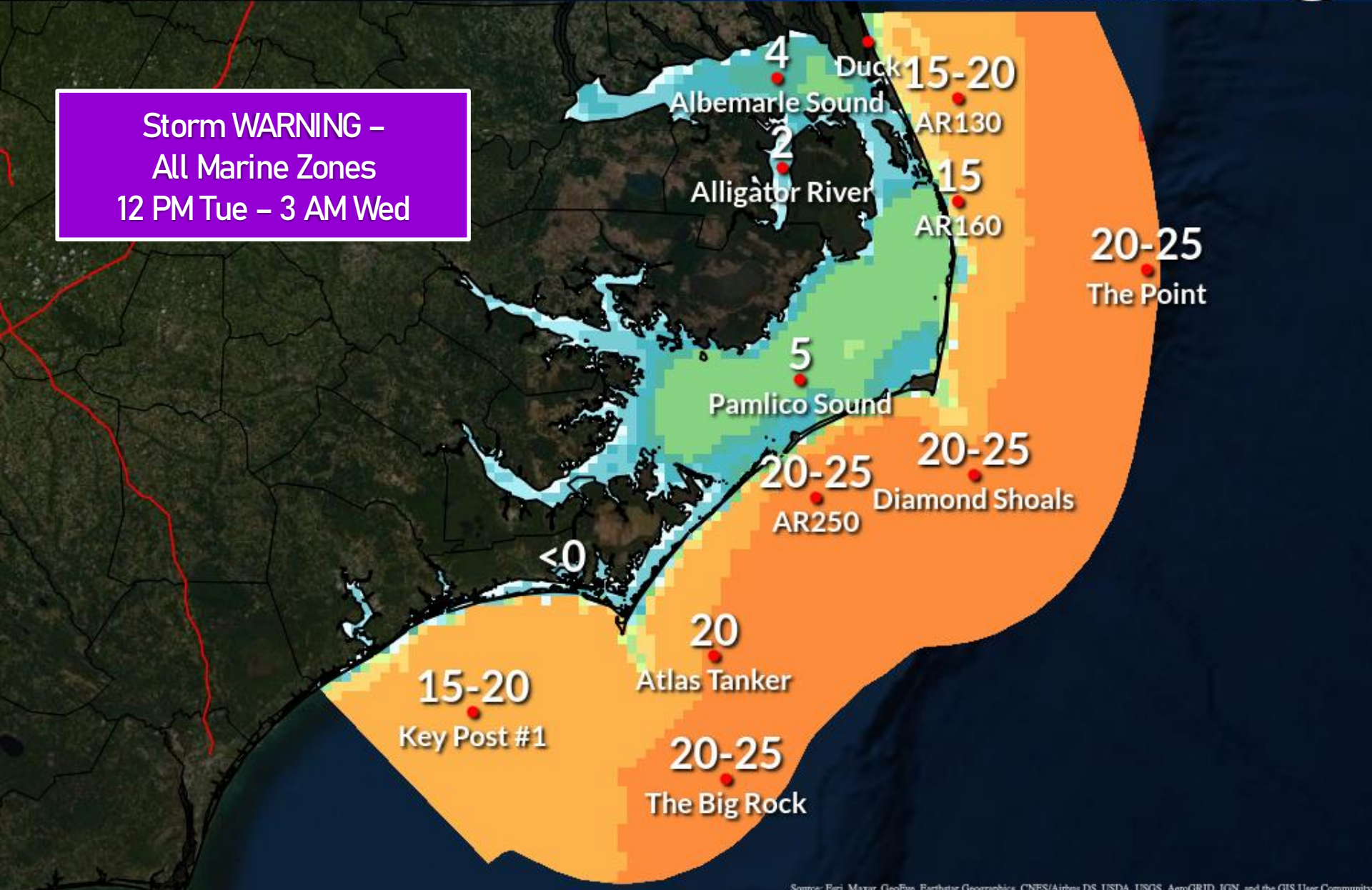
Today Into Tomorrow

Weather Forecast Office
Newport/Morehead City, NC

Issued Jan 09, 2024 5:15 AM EST



**Storm WARNING –
All Marine Zones
12 PM Tue – 3 AM Wed**



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Event Summary

✓ Confidence is **HIGH** that this event will occur, and we are expecting **MODERATE to MAJOR** impacts.



Winds: Extreme near-hurricane force winds will lead to an increased risk of damage to trees, power lines, and structures, as well as make for hazardous driving conditions for high-profile vehicles



Coastal Flooding: Minor to moderate soundside flooding likely this afternoon into Wednesday, especially for the soundside Outer Banks and the western Pamlico Sound including Pamlico, Pungo, Neuse, and Bay Rivers. **Be alert for rapid water level rises** tonight and early tomorrow for the soundside Outer Banks as winds shift to the southwest-west.



Ocean Overwash: Large surf is expected for all beaches but especially from Oregon Inlet to Ocracoke as well as North Topsail, leading to potential beach erosion and moderate to significant ocean overwash in vulnerable areas. Highest risk late Tuesday into Wednesday. This will likely impact portions of Highway 12, which may be impassable at times.



Severe Weather and Rainfall: Thunderstorms will lead to an enhanced risk of 70-80 mph winds, with areas of enhanced wind damage possible. A few tornadoes are possible this afternoon and evening, with the potential for an isolated strong tornado.

Hazardous Marine Conditions: Dangerous seas 20-25 ft with Storm Force winds today and tomorrow. Dangerous surf conditions.

Contact and Next Briefing Information



This is the final briefing for this system.

[Briefing Webpage](#)



Web:

<http://www.weather.gov/mhx/>



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