



February 19-20 Potential Winter Storm

February 17, 2025
7:56 AM

For Central NC

Potential Snow/Ice Winter Storm Wednesday

Decision Support Briefing #2

→ As of 8:00 AM Monday, February 17

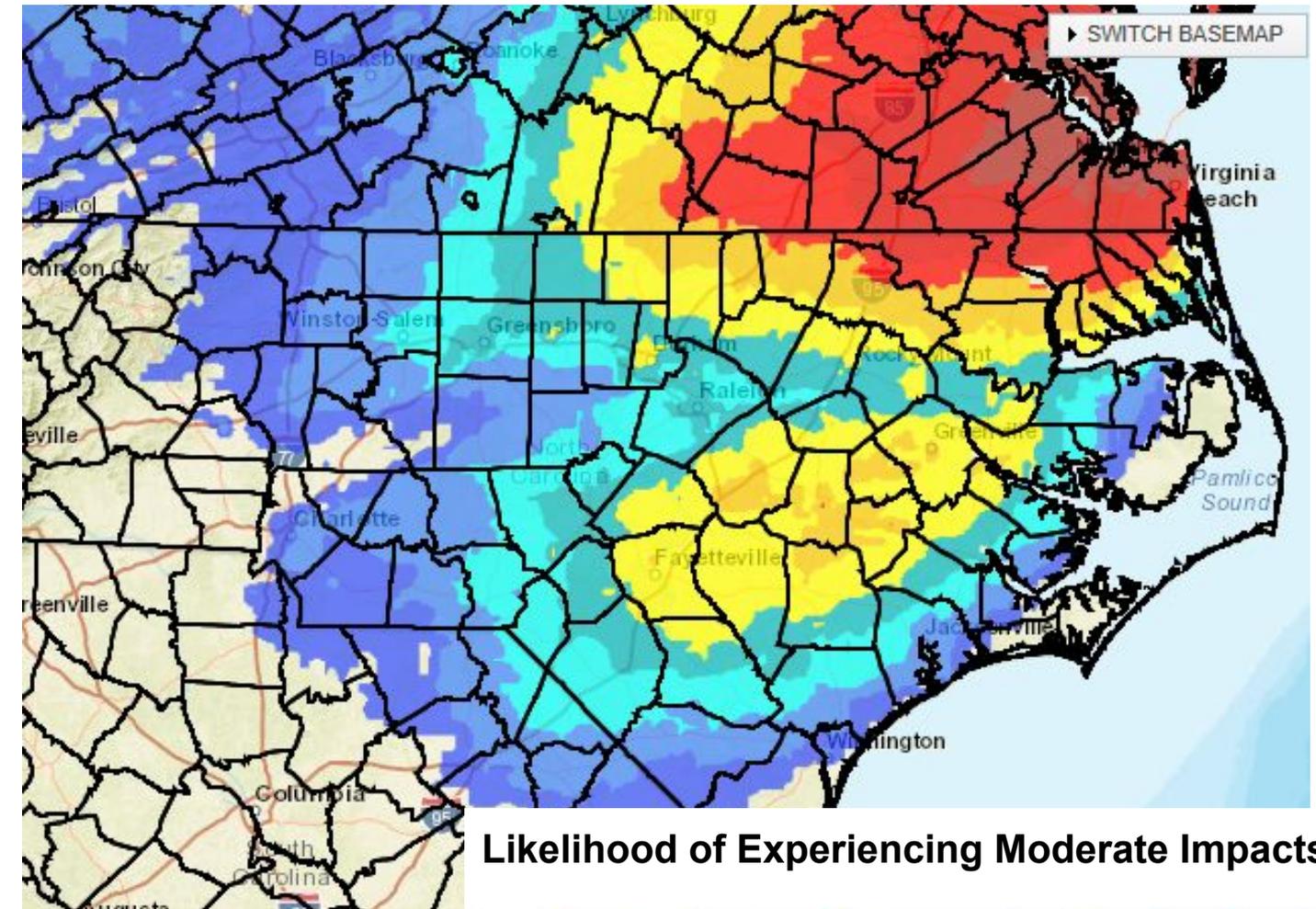
NEW Important Updates

→ Potential significant ice/winter storm for central NC

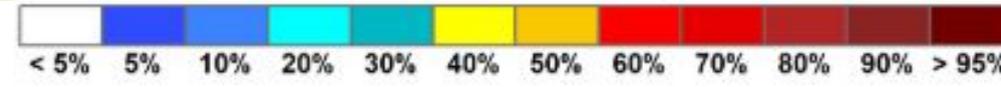
Be sure to visit

<https://weather.gov/Raleigh/Winter>

For more details and all the latest updates to the snow and ice maps shown in this briefing



Likelihood of Experiencing Moderate Impacts

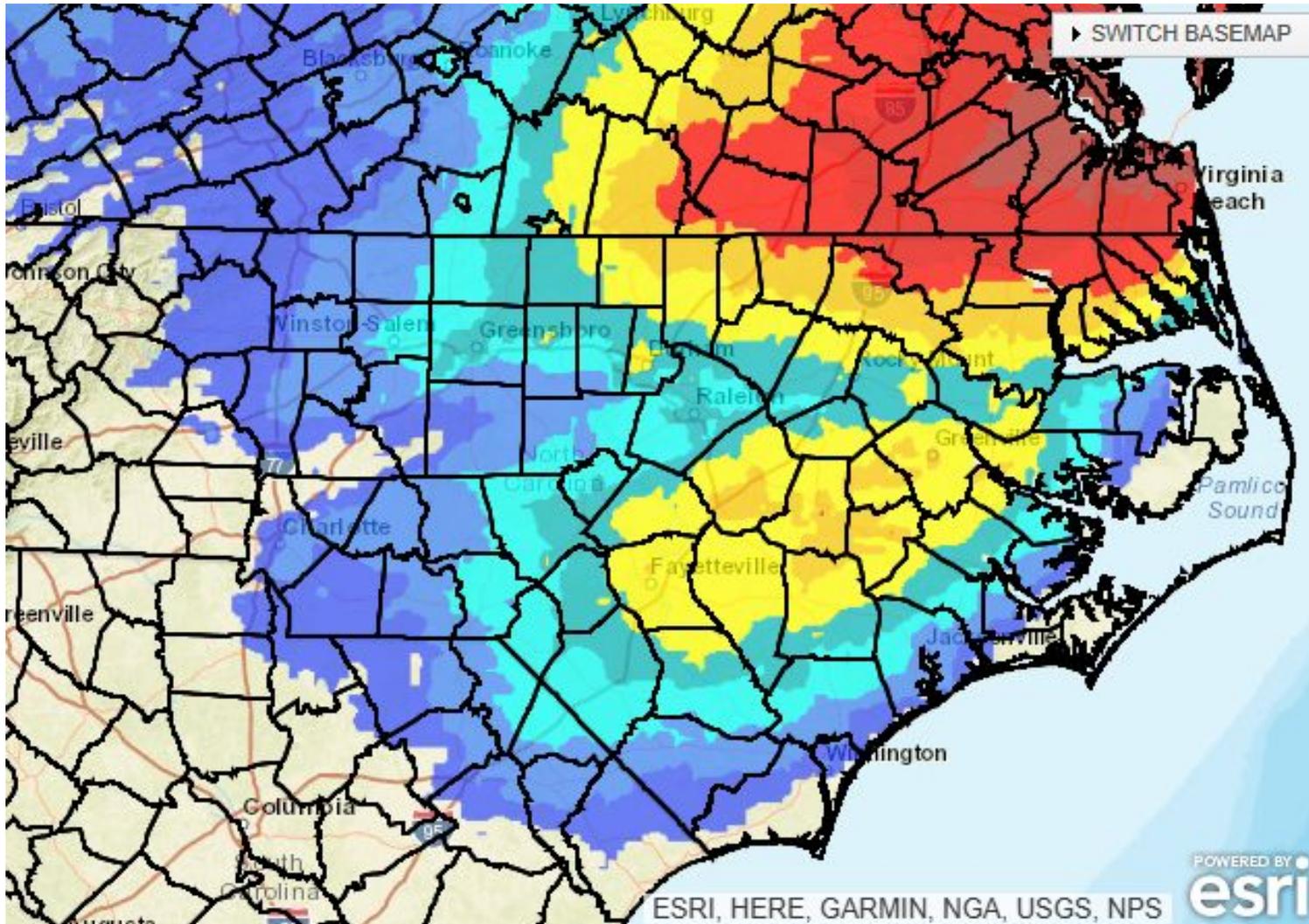




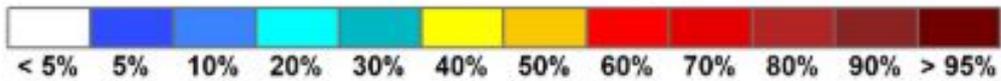
Probabilistic Winter Storm Severity Index

February 17, 2025
7:56 AM

Likelihood of Experiencing Moderate Winter Storm Impacts



Likelihood of Impact



Key Points:

- Confidence is increasing that a winter storm will affect central NC Wednesday through Wednesday night, with lingering impacts through the rest of the week.
- An area of low pressure is expected to track from the Deep South and far northern Gulf into the western Atlantic and off the NC Coast from Wednesday morning into early Thursday morning.
- Uncertainty remains high in regards to the overall track and intensity of this system.
- A further south track will bring more snow to the region, while a further north track will favor a greater probability of a mixture of sleet, freezing rain, and snow.

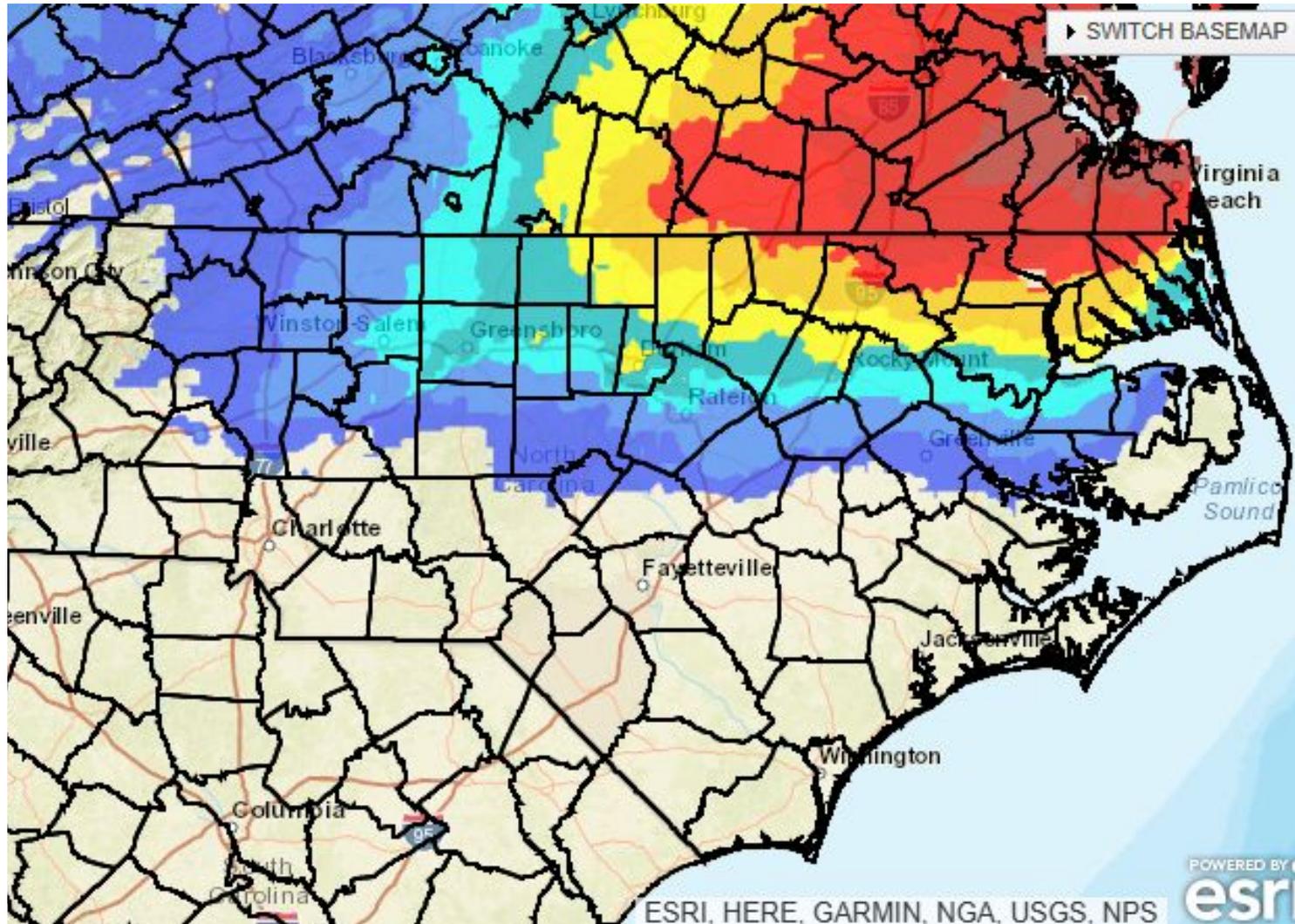




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February 17, 2025
7:56 AM

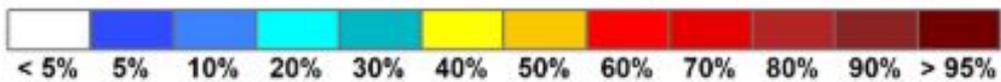
Likelihood of Experiencing Moderate Impacts from Snow Accumulation



Key Points:

- Areas along and north of US-64 have the best chance to experience moderate impacts from snow accumulation.
- These details are subject to change, as the eventual track of the storm will determine the overall location and amount of snow potential.

Likelihood of Impact

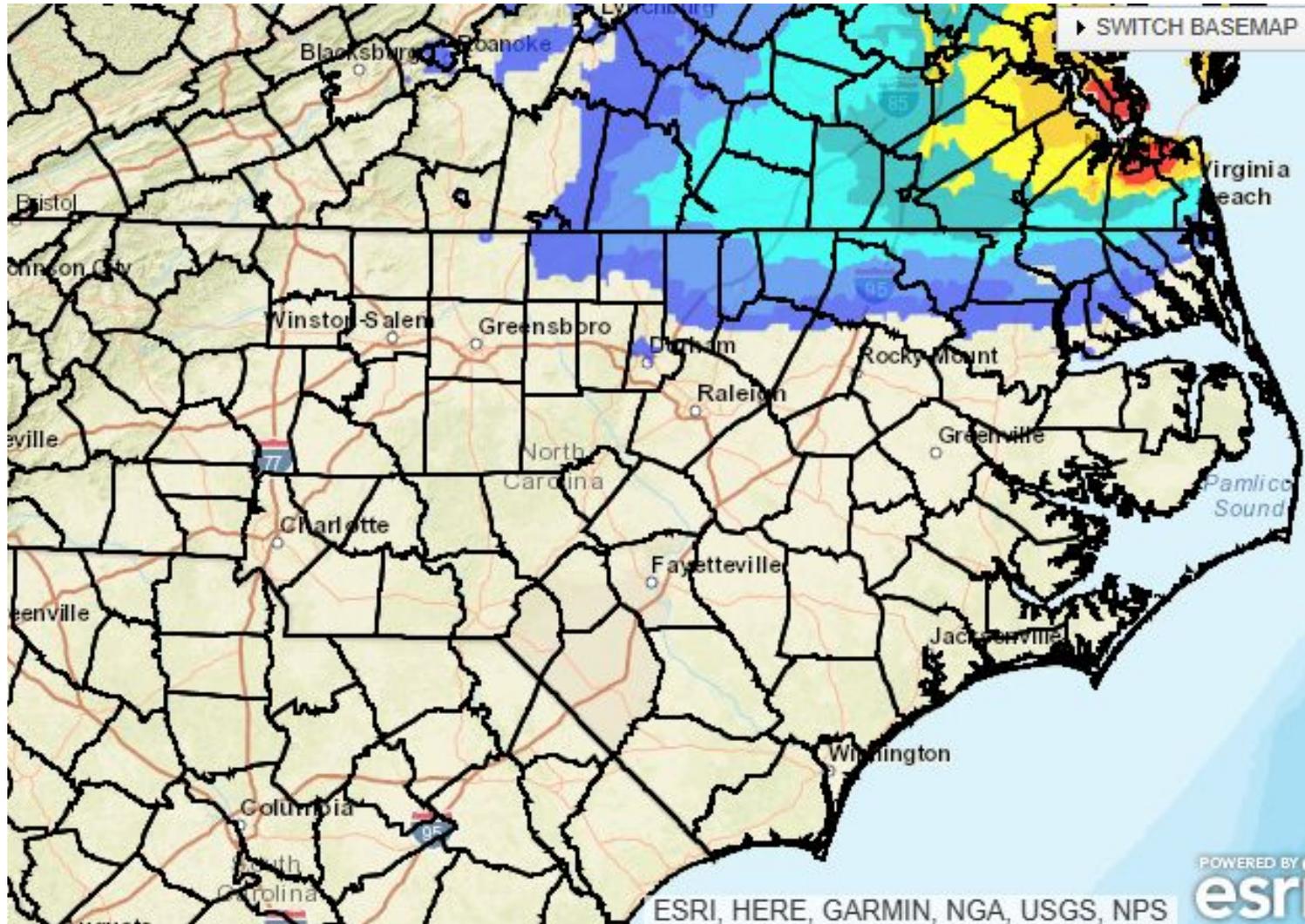




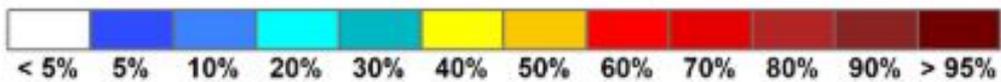
Probabilistic Winter Storm Severity Index

February 17, 2025
7:56 AM

Likelihood of Experiencing Major Impacts from Snow Accumulation



Likelihood of Impact



Key Points:

- Areas along and north of I-85 and near the Virginia border have the best chance to experience major impacts due to snow accumulation.
- These details are subject to change, as the eventual track of the storm will determine the overall location and amount of snow potential.

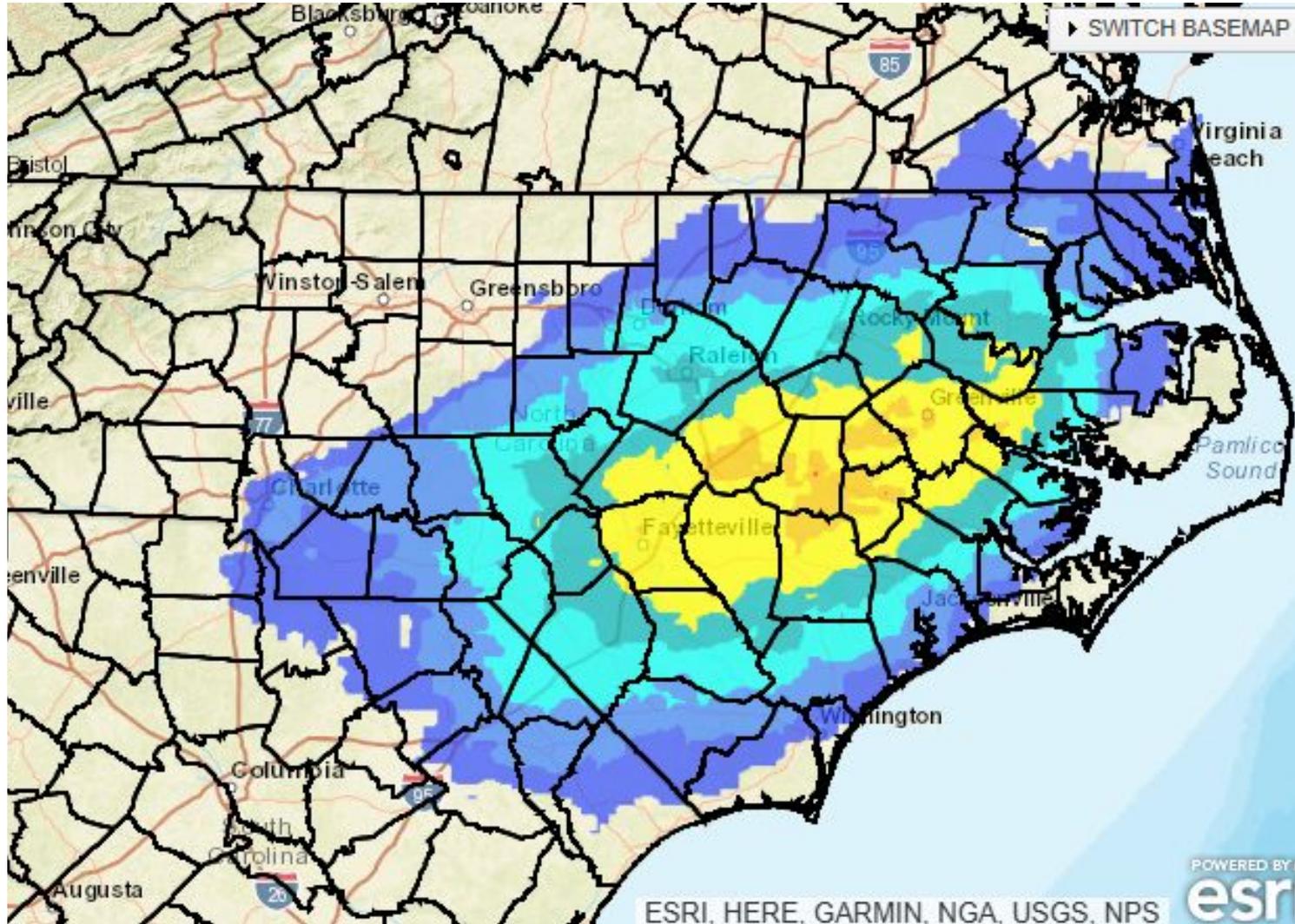




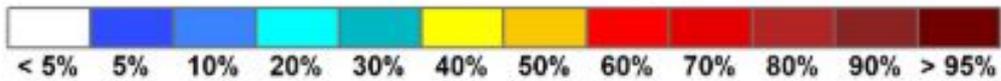
Probabilistic Winter Storm Severity Index

February 17, 2025
7:56 AM

Likelihood of Experiencing Moderate Impacts from Ice Accumulation



Likelihood of Impact



Key Points:

- Areas along and east of the US-1 Corridor have the best chance to see moderate impacts from ice accumulation.
- These details are subject to change, as the eventual track of the storm will determine the overall location and amount of ice potential.





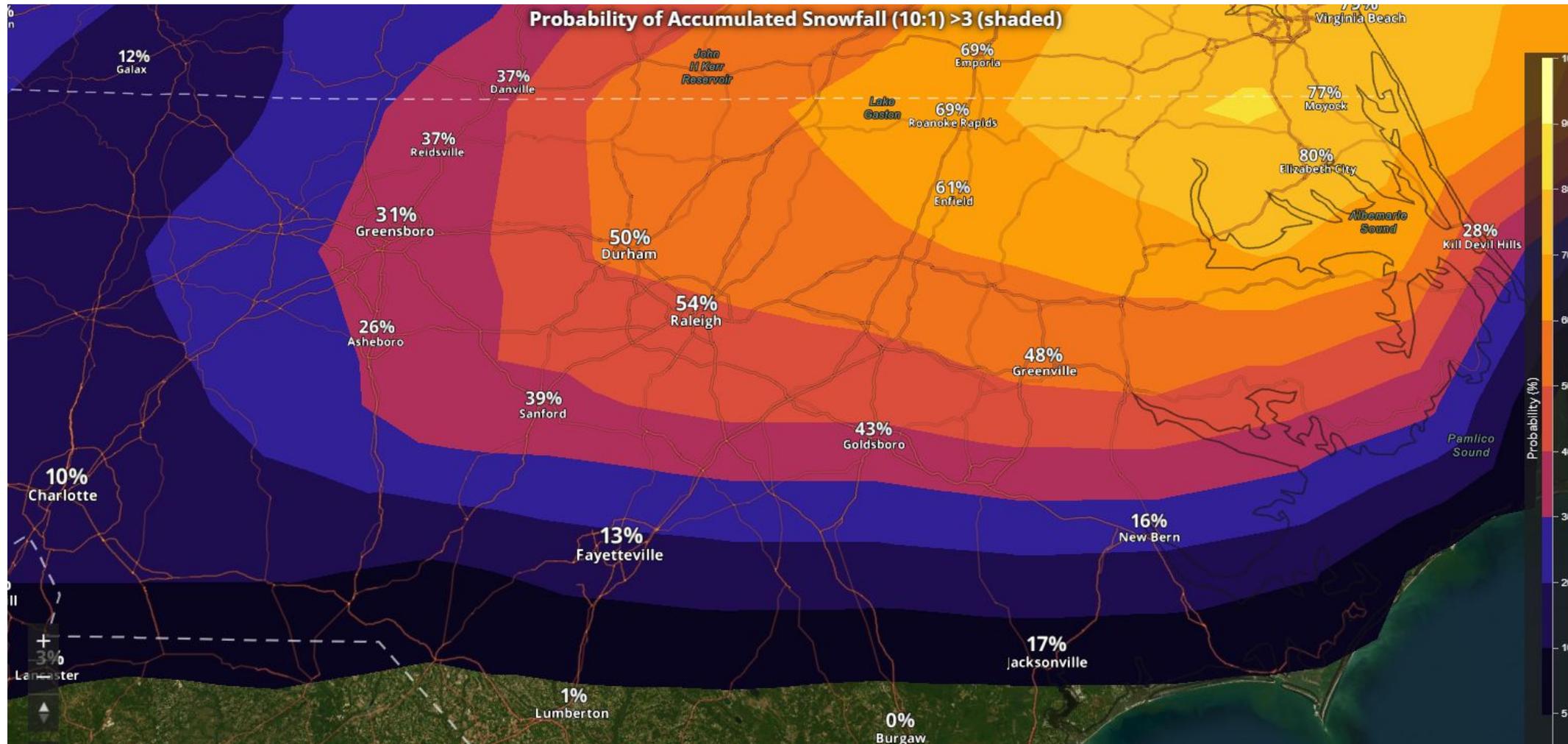
Snowfall Probability of Exceeding 3" Snow

February 17, 2025
7:56 AM

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Key Points:

- Areas along and north of US-64 have the greatest chance of seeing 3 or more inches of snowfall.
- The highest probabilities for greater than 3 inches are in northeastern North Carolina.
- These probabilities are likely to change as guidance converges on a consistent track of the system.





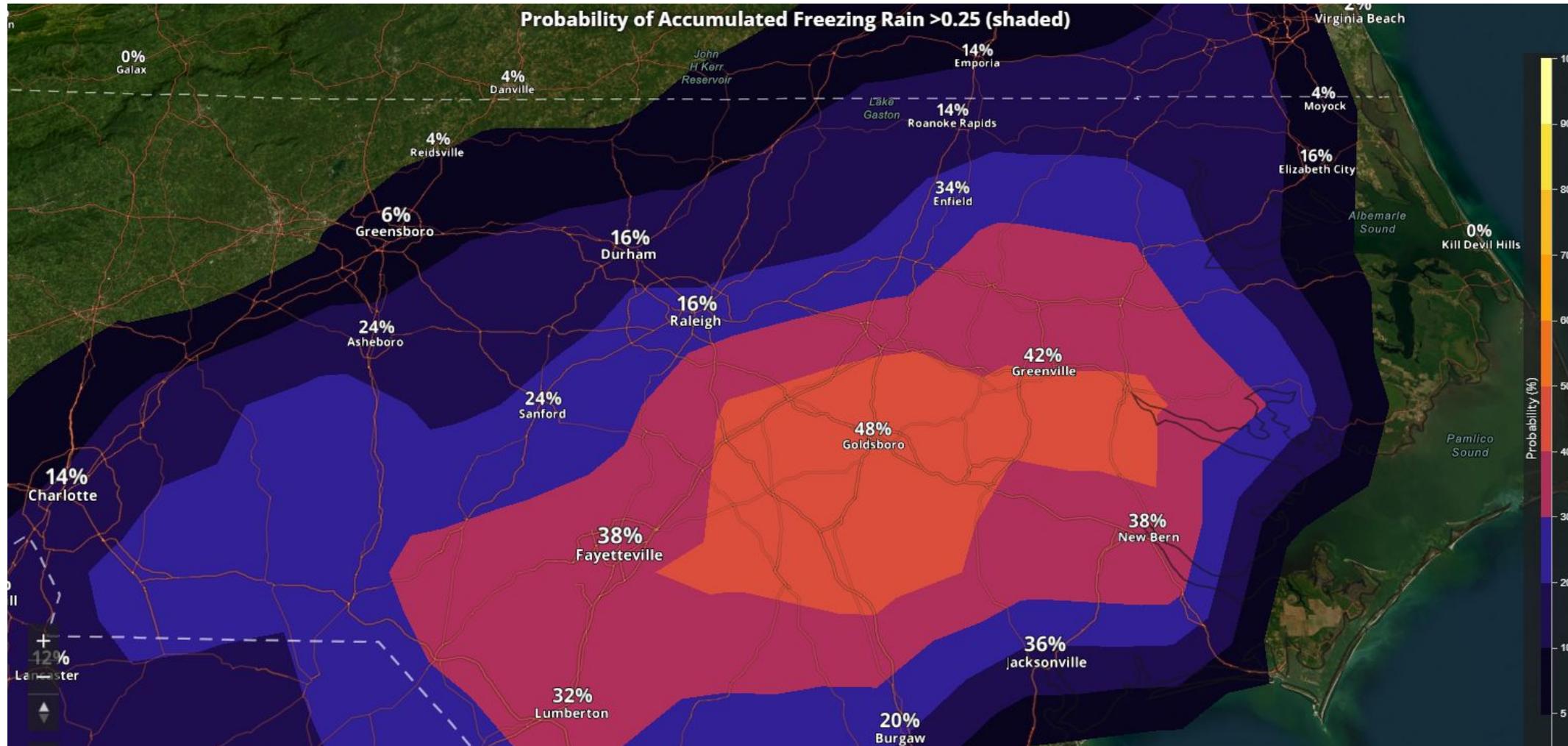
Freezing Rain Probability of > 0.25" Ice

February 17, 2025
7:56 AM

For Central NC

Key Points:

- Areas over the Triangle, Sandhills, and Coastal Plain have the greatest chance to see ice accumulations of greater than 0.25".
- The highest probabilities are over the Coastal Plain of central NC.
- These probabilities are likely to change as guidance converges on a consistent track of the system.





Main Points

For Central NC

February 17, 2025
7:56 AM

Hazard	Impacts	Location	Timing
Snow 	Moderate to major impacts are possible on roads, sidewalks	Areas along and north of US-64 and north of I-85	Wednesday morning through Wednesday night
Ice/Mixed 	Moderate impacts are possible to powerlines, trees, and roads	Areas along and east of the US-1 Corridor	Wednesday morning through Wednesday night
Power Outages 	Scattered to numerous power outages are possible	All of Central NC	Wednesday afternoon through Thursday
Cold/Wind Chill 	Wind chills are expected to range from the single digits to teens	All of Central NC	Coldest wind chills Thursday night into Friday morning
Flash Freeze/Black Ice 	Prolonged cold temperatures will lead to black ice well after the event ends	All of Central NC	Thursday through the upcoming weekend
Travel Hazards 	Roads are likely to be hazardous	All of Central NC	Wednesday through Friday

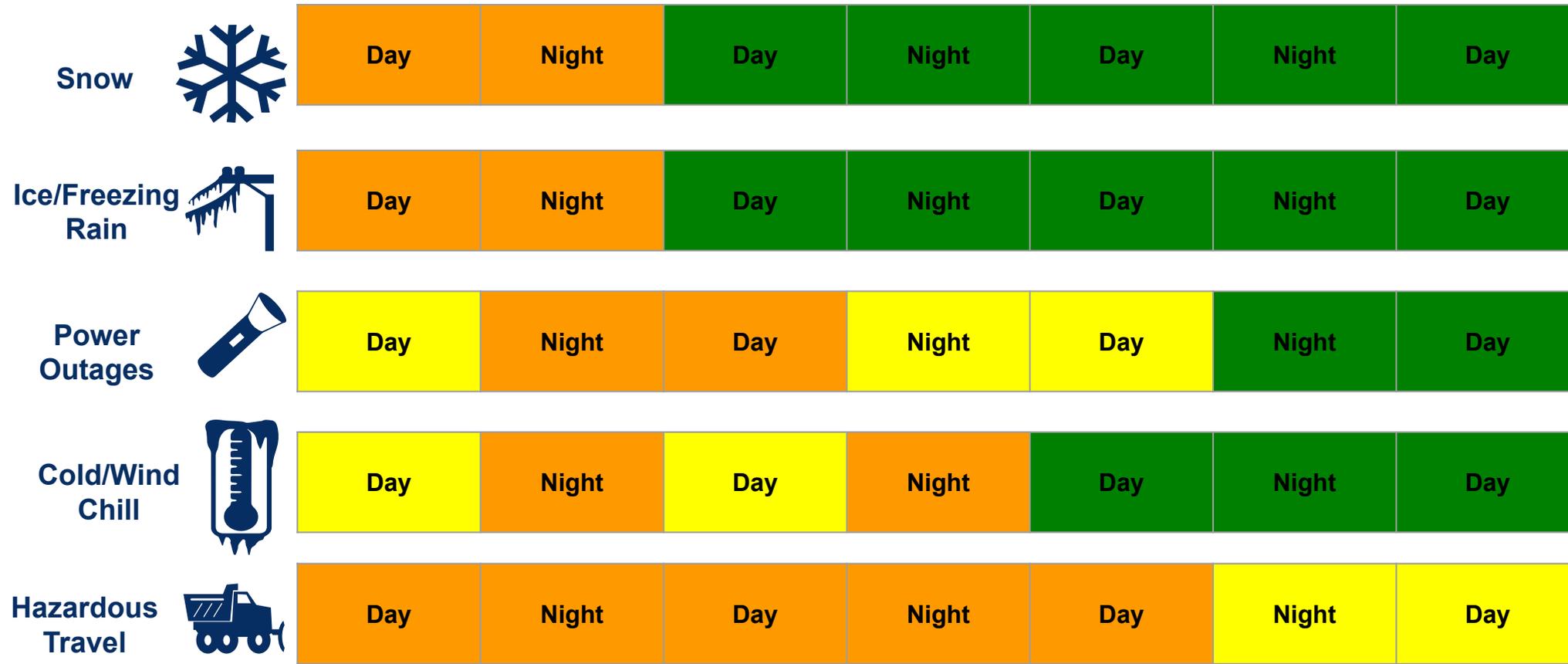




Expected Timeline Full Weather and Impacts

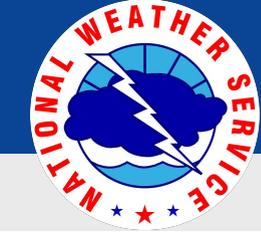
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Effects and Impacts Legend

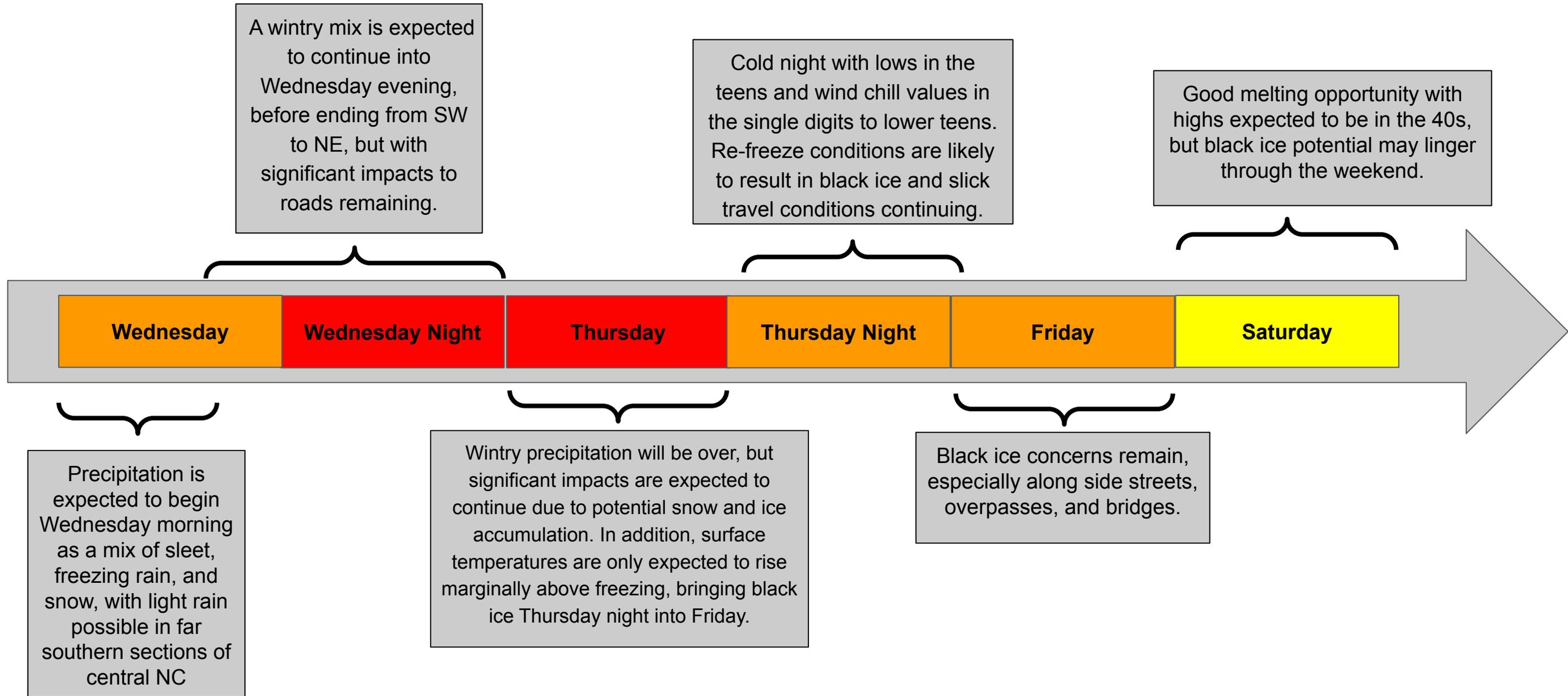
- Little to No Impact
- Minor Impact
- Moderate Impact
- High Impact
- Extreme Impact



Timeline of Main Weather and Impacts

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Risk Levels

No/None

Limited

Elevated

Significant

Extreme





Key Messages:

1. Confidence continues to increase that a winter storm will affect central NC Wednesday through Wednesday night, with lingering impacts through the remainder of the week and perhaps weekend.
2. An area of low pressure is expected to track from the Deep South and far northern Gulf into the western Atlantic and offshore of the NC Coast from Wednesday morning into midday Thursday.
3. Uncertainty remains high in regards to the overall track and intensity of the low.
4. A further south track will bring more snow to the region, while a further north track will favor a greater probability of a mixture of sleet, freezing rain, and snow.
5. Areas along and north of US-64 have the best chance to experience moderate impacts from snow accumulation.
6. Areas along and north of US-64 have the greatest chance of seeing 3 or more inches of snowfall.
7. Areas along and east of the US-1 Corridor have the best chance to see moderate impacts from ice accumulation.
8. Areas over the Triangle, Sandhills, and Coastal Plain have the greatest chance to see ice accumulations of greater than 0.25".
9. Additional briefings this coming week will get into greater detail on overall expected impacts as guidance converges on a more consistent solution.



Event Summary

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A Potential Snow/Ice Winter Storm is Possible Wednesday into Wednesday Night

- Confidence is MODERATE that this event will occur and LOW on expected impacts
- Period of greatest impact: Wednesday morning through Thursday midday.



A period of snow is likely, especially for areas along/north of US-64. Snow accumulations could result in moderate to major impacts.



A period of freezing rain is likely Wed into Thu, especially for areas along/east of US-1. Ice accumulations could result in moderate or higher impacts.



Scattered to numerous power outages are possible.



Icy spots on roads and especially bridges are likely to linger through the remainder of the week





Contact and Next Briefing Information

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Briefing Webpage

→ <https://www.weather.gov/media/rah/briefing/NWSRaleighLatestBriefing.pdf>



Next Briefing

→ By 7:00 PM Monday, February 17, 2025
→ Method: Email



Disclaimer

→ Information contained in this briefing is time-sensitive
→ Do Not Use After: 7:00 PM Monday, February 17



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