Winter Weather Event, January 17, 2018

Decision Support Briefing #1
As of: January 16, 2018, 1140 AM EST

What has Changed?

- ✓ First briefing

Created by:
Steven Pfaff, Warning Coordination Meteorologist
National Weather Service Wilmington, NC

Main Points

Hazard	Impacts	Location	Timing
Snow	Accumulating snow possible with some travel impacts	Especially north of a Darlington to Elizabethtown to Burgaw line	Rain in the morning (inland) and late morning/early afternoon (coast), changing to snow late morning/early afternoon (inland) and mid/late afternoon (coast)
Ice	No icing impacts from freezing rain expected	N/A	N/A
Wind	No wind impacts expected	N/A	N/A
Coastal Flood	No coastal flooding expected	N/A	N/A
Marine	Small Craft Advisory conditions possible	All adjacent coastal waters	Wednesday night

Summary of Greatest Impacts

Snow

None	Limited	Elevated	Significant	Extreme

Moderate Confidence

Ice

None	Limited	Elevated	Significant	Extreme

Moderate Confidence

Wind

None	Limited	Elevated	Significant	Extreme

Nearly Certain

Coastal Flood

None	Limited	Elevated	Significant	Extreme

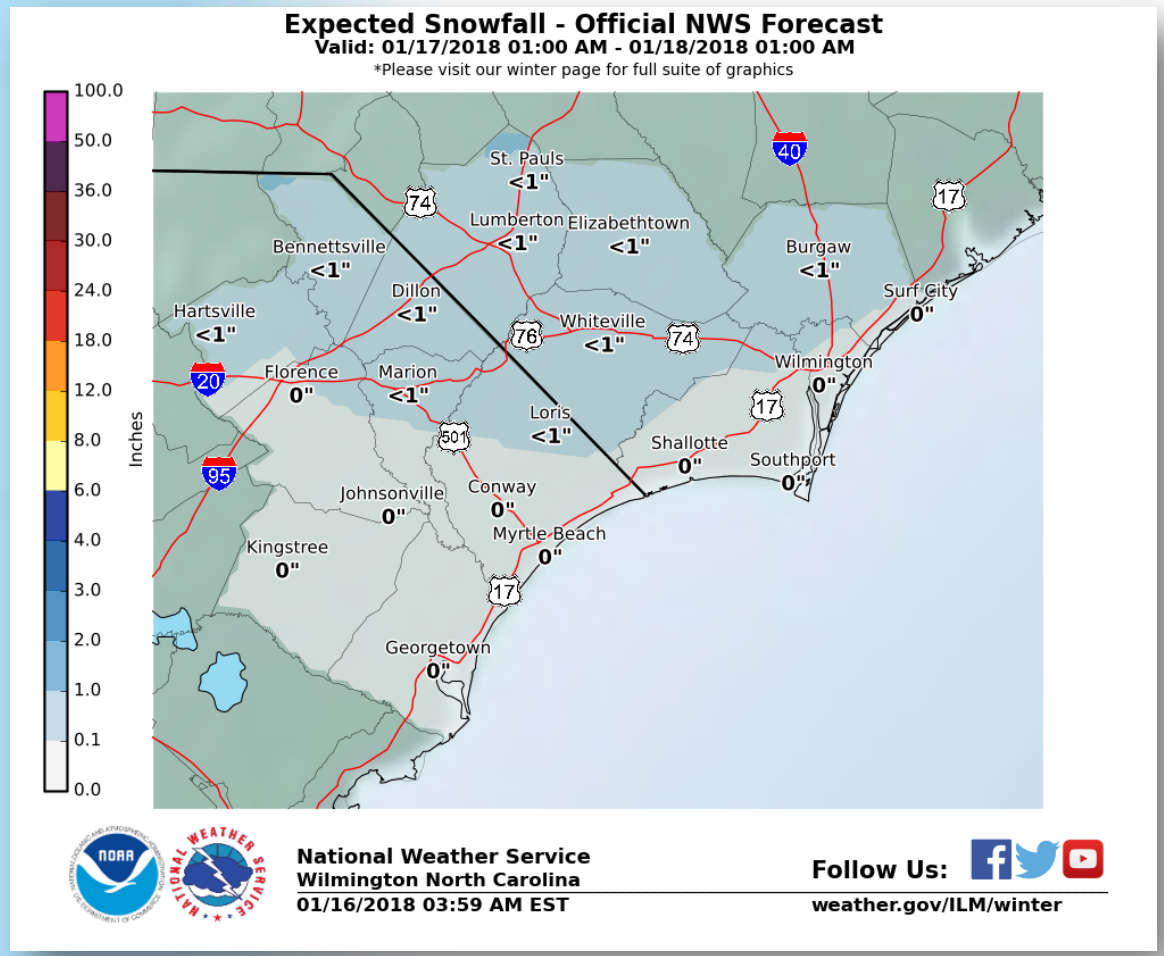
Nearly Certain

Marine

None	Limited	Elevated	Significant	Extreme

Moderate Confidence

Expected Snowfall



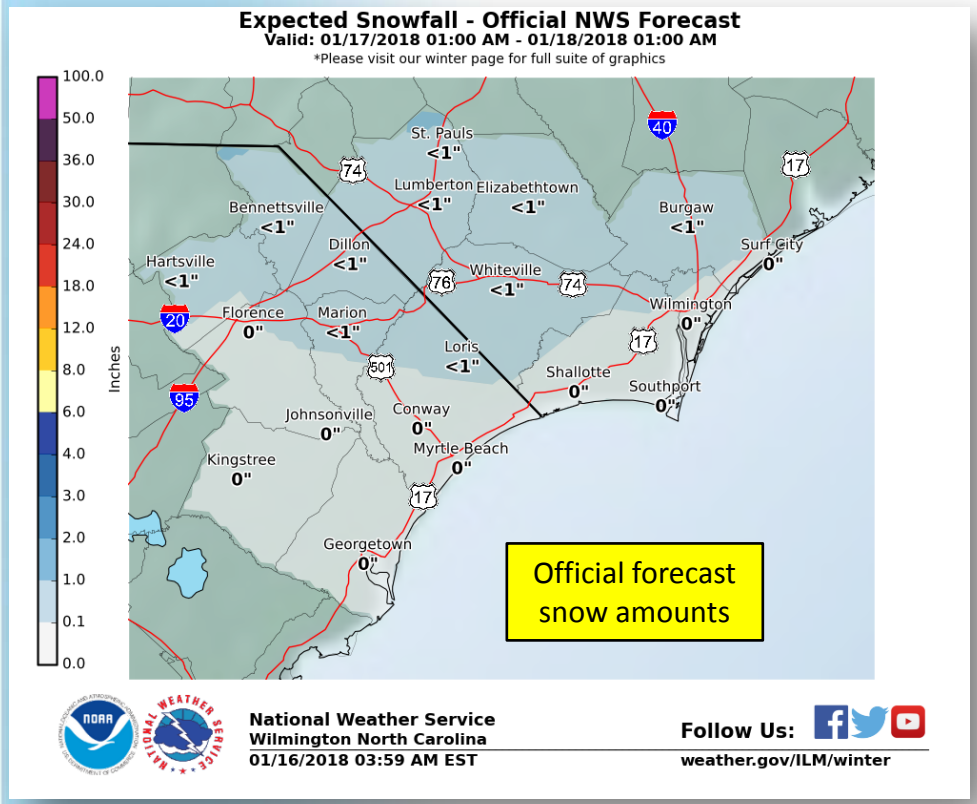
✓ **Timing:**

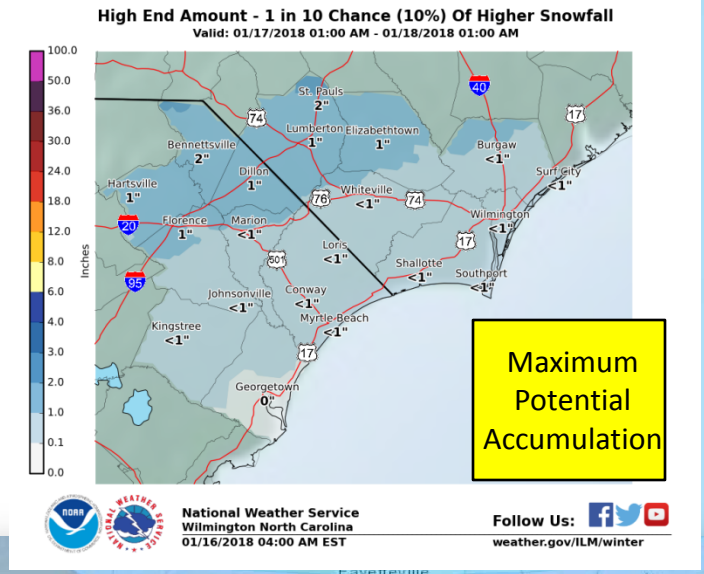
- For far inland areas - rain will begin in the morning for western areas, then change to snow by late morning or early afternoon. Precipitation ending in the late afternoon/early evening.
- For coastal areas – rain will begin late morning/early afternoon, then changeover mid to late afternoon. Precipitation ending in the evening.

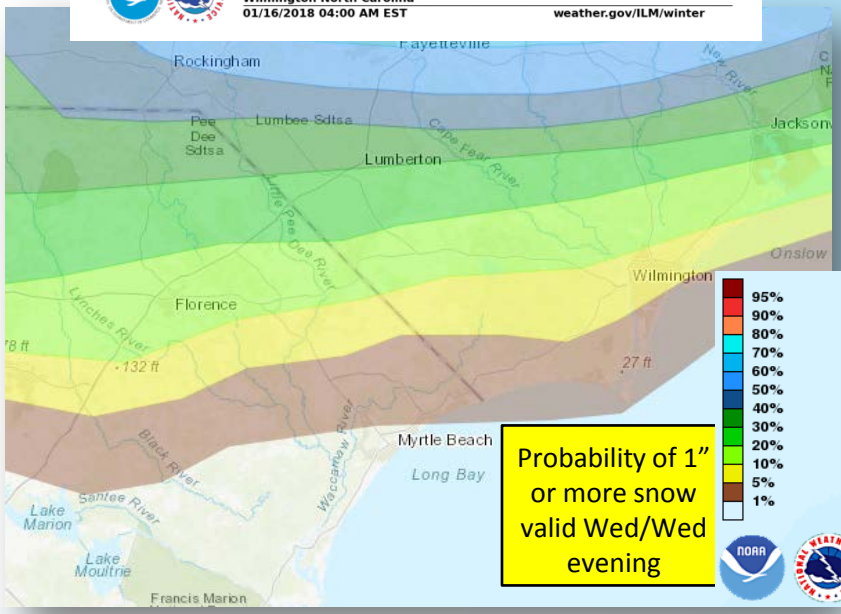
✓ **Impacts:**

- 1” or less of snow accumulation is possible, especially elevated and grassy surfaces.
- Travel may become hazardous, especially on bridges & overpasses

The Range of Possibilities







Variations on moisture availability are causing some spread in the model output. However, most indicate precipitation changing to snow for a relatively brief period before exiting the coast Wed evening. Highest 1" snow accumulation probabilities are found north of a Darlington to Watha line.

See more: http://www.weather.gov/ilm/winter

Key Points

- ✓ Although precipitation will being as rain during Wednesday a changeover to snow is likely with the highest accumulations expected north of a Darlington to Elizabethtown to Burgaw line.
- ✓ Snow accumulations are currently expected to be about 1” or less across the northern areas to a dusting farther south with all precipitation ending during the late afternoon/early evening western areas and during the evening at the coast.
- ✓ Ground temperatures are expected to be much warmer than the previous winter weather event, which should primarily limit travel impacts to bridges, overpass, and other elevated road surfaces.
- ✓ A Winter Weather Advisory will likely be issued later today for a part of the Pee Dee and Lumberton areas. A slight increase in snow accumulations could require an expansion of the advisory and is being monitored.

Contact and Next Briefing Information

Next Briefing

When: *Update to snowfall graphics sent by 5 PM.*

Briefing Webpage:
http://weather.gov/ilm/briefing

Web:
http://weather.gov/ilm

Facebook:
NWSWilmingtonNC

E-mail:
nws.ilm.operations@noaa.gov

Twitter:
@NWSWilmingtonNC

Disclaimer: *The information contained within this briefing is time-sensitive, do not use after 5 PM Tuesday January 16, 2018*