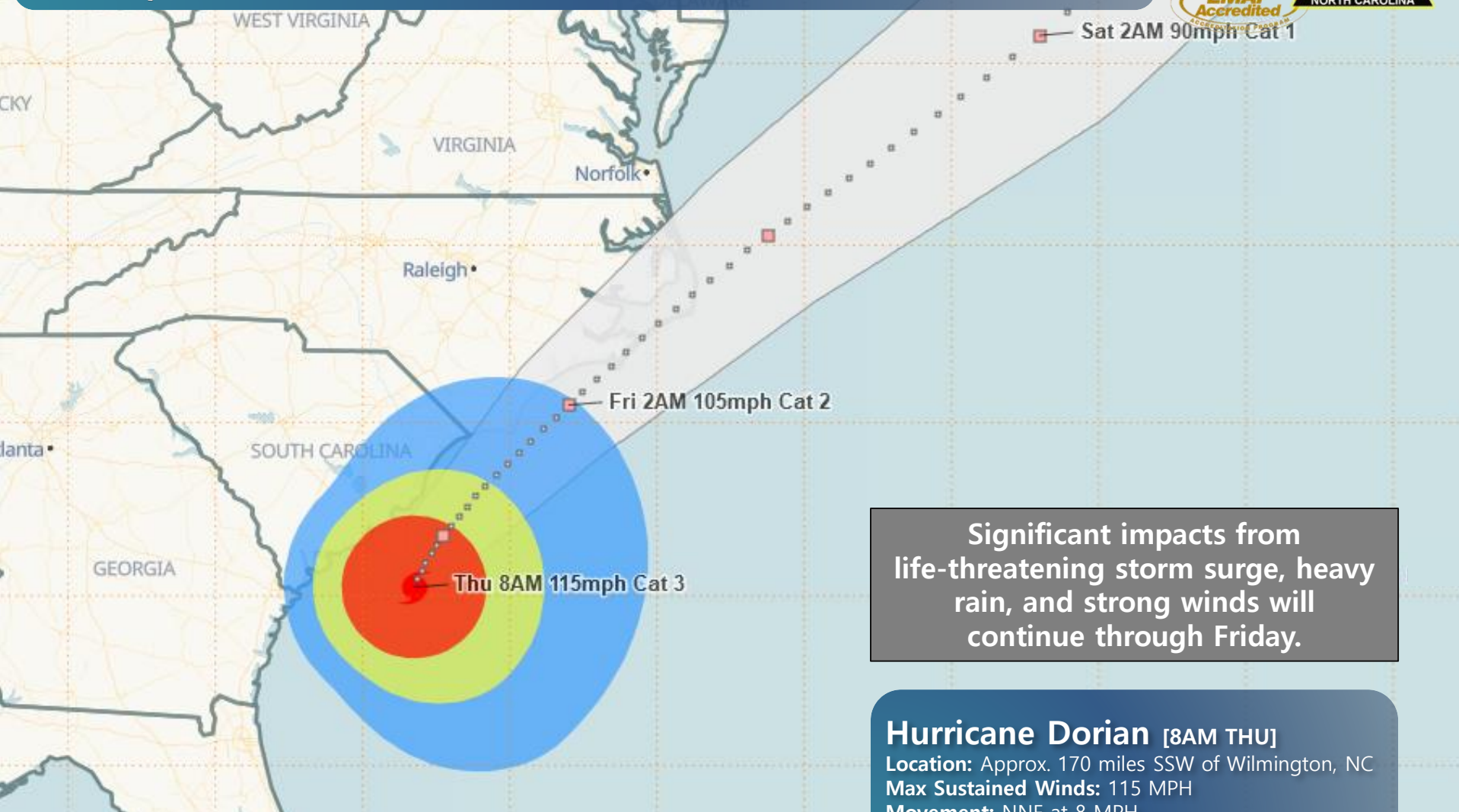


HURRICANE DORIAN

September 5, 2019 – 8AM



Significant impacts from life-threatening storm surge, heavy rain, and strong winds will continue through Friday.

Hurricane Dorian [8AM THU]
Location: Approx. 170 miles SSW of Wilmington, NC
Max Sustained Winds: 115 MPH
Movement: NNE at 8 MPH
Min Central Pressure: 28.32" (959 mb)

| Storm Track Wind/Symbol Key | | | | | | | | |
|-----------------------------|------------------------------|--------------|-------------------------|----------------|-------------------------|-----------|---------|---------------------------|
| Sustained: [Blue Box] | Tropical Storm ≥ 34 kt/39mph | [Yellow Box] | Strong TS ≥ 50 kt/58mph | [Red Box] | Hurricane ≥ 64 kt/74mph | | | |
| Track Symbols: | [Red Circle] | Depression | [Red Square] | Tropical Storm | [Red Circle] | Hurricane | [Red X] | Post-Tropical or Remnants |

The NHC Track Forecast Cone is NOT an Impact Cone. Impacts will be felt far from the center of the storm.

HAZARDS SUMMARY: DORIAN

September 5, 2019 – 8AM



| HAZARD | DETAILS | IMPACTS | TIMING |
|-----------------------------|---|---|--|
| Storm Surge | 4-7' south of Cape Lookout 4-6' Cape Lookout to Duck (including Pamlico/Albemarle Sounds & Neuse/Pamlico Rivers) 2-4' north of Duck | Life-threatening storm surge inundation will be possible along the coast, sounds, and adjacent rivers. | Through Friday *High tide Thu PM, Fri AM, Fri PM* |
| Inland Flooding | 6-12" in Eastern NC (isolated 15") 3-6" S and E of Triangle 1-3" across central NC | Rainfall may cause life-threatening flash flooding and some river flooding. Greatest threat east of I-95. | Through Friday |
| Damaging Winds | Coast: 60-100, gusts 75-125 mph Inland E NC: 35-65, gusts 45-75 mph Central NC: 20-35, gusts 30-45 mph (strongest east of US-1) | Downed trees, widespread power outages, structure damage. Tropical storm force winds are expected to continue through the day Friday. | TS Force: Through Friday Hurricane Force: Thu PM – Midday Fri |
| Tornadoes | Isolated tornadoes are possible across eastern NC through Thu night, with the greatest threat near the coast. A Tornado Watch has been issued for portions of central and eastern NC. | | Through Thu Night |
| Marine & Coastal | Rip currents & dangerous surf. Severe beach erosion with significant dune loss. Ocean overwash will make roads impassable especially at periods of high tide. | | Through Friday |

Threat Levels:

None

Low

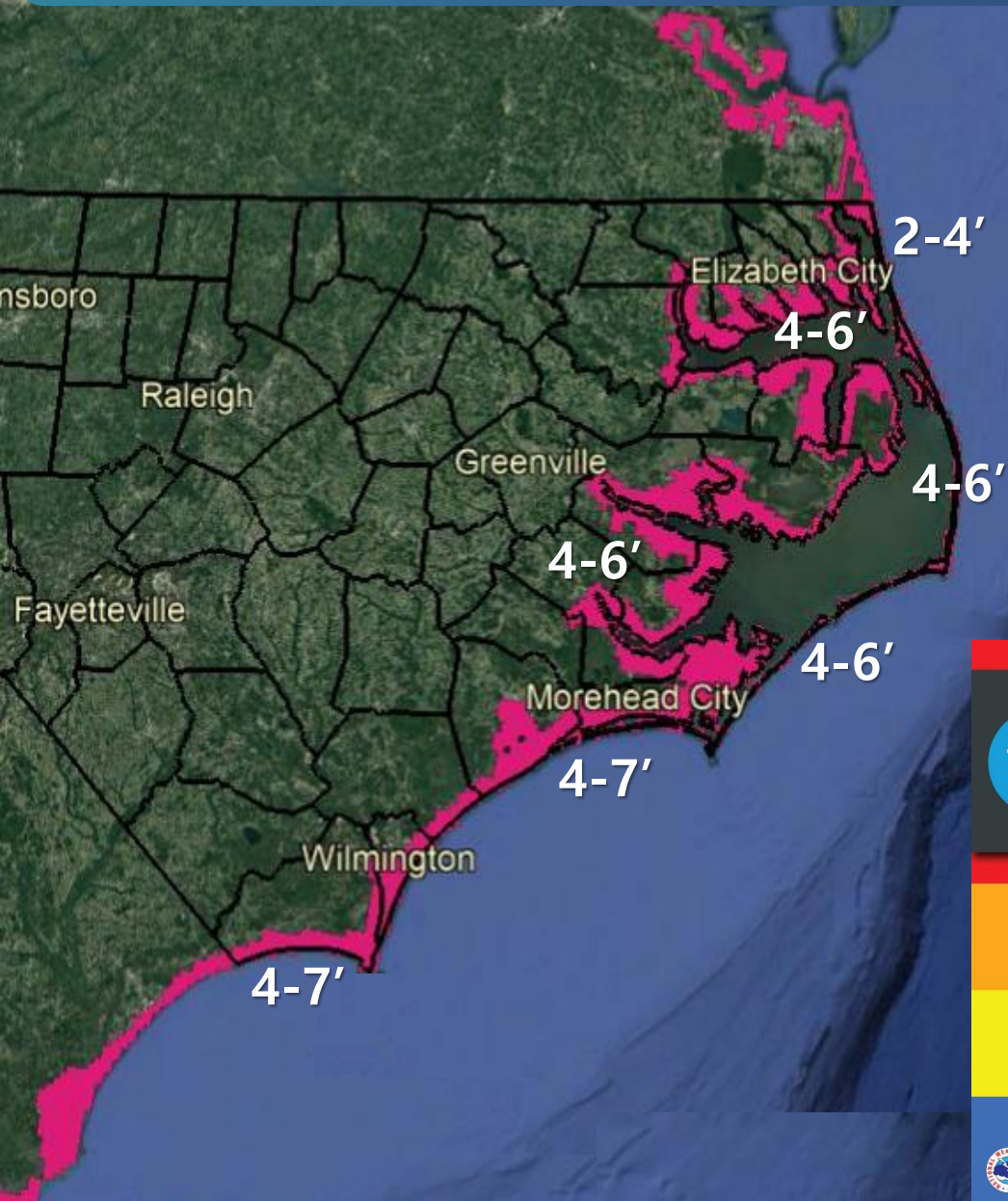
Moderate

High

Extreme

STORM SURGE WARNING

September 5, 2019 – 8AM



Storm Surge Warning:
Means there is a danger of life-threatening inundation from rising water moving from the coastline, during the next 36 hours in the indicated locations.

 **Understanding Storm Surge Flooding**
Storm surge is destructive, life-threatening coastal flooding. It accounts for about half of the deaths associated with tropical cyclones in the U.S. To help you determine the best way to prepare, NOAA coastal flooding forecasts are expressed as feet of water above ground level.

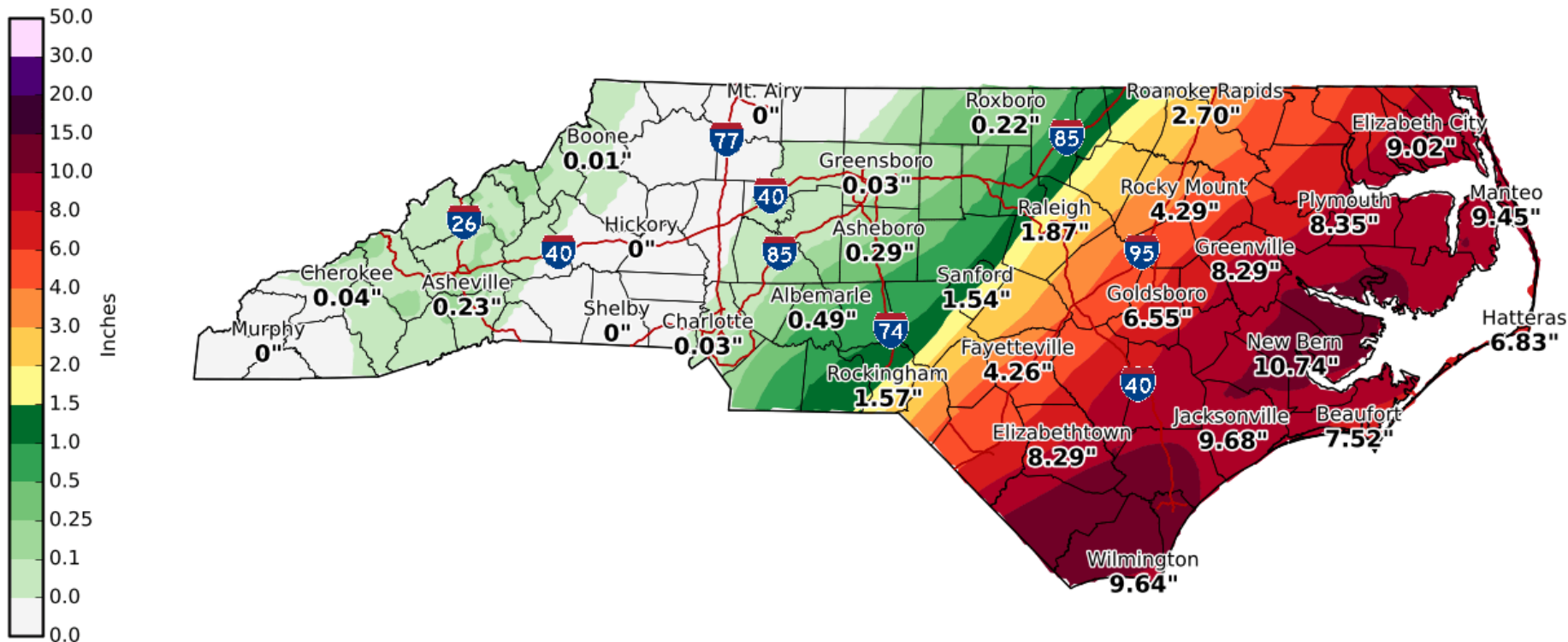


3-DAY RAINFALL FORECAST

September 5, 2019 – 8AM



72 hr Rainfall Totals Valid: 09/05/2019 06:00 AM - 09/08/2019 06:00 AM EDT



National Weather Service
North Carolina NWS Offices
09/05/2019 06:11 AM EDT

Follow Us:   
[weather.gov/rah/nc](https://www.weather.gov/rah/nc)

Rainfall amounts shown are averages. Locally higher amounts are possible. Higher rainfall amounts will likely result in flash flooding and possible river flooding.

The heaviest rain is expected through midday Friday.
A Flash Flood Watch has been issued for areas along and east of US-1.

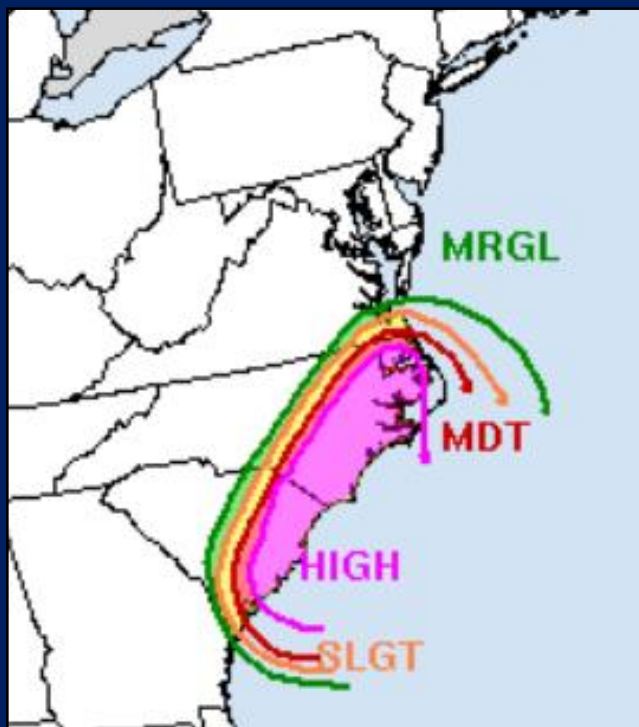
FLASH FLOODING POTENTIAL

September 5, 2019 – 8AM

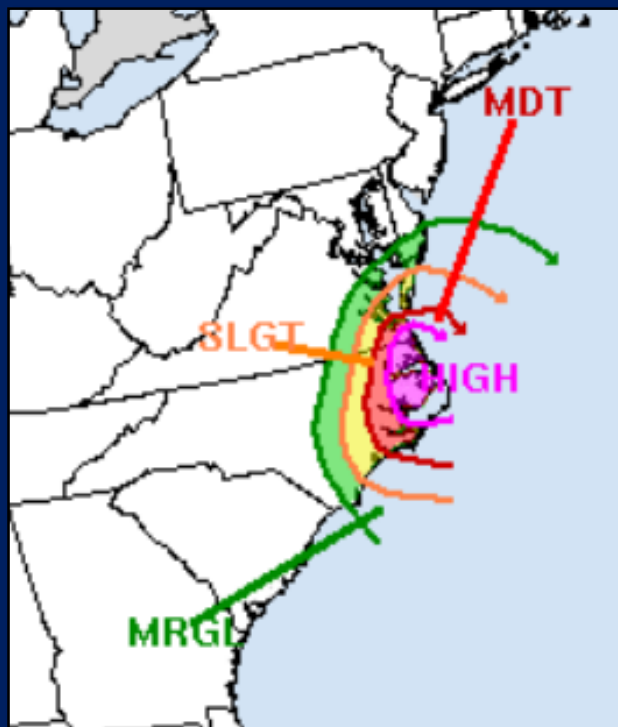
NOAA/NWS/NCEP/WPC



High Risk Days are Rare, Dangerous, Significant, and Impactful



Thursday – Thursday Night

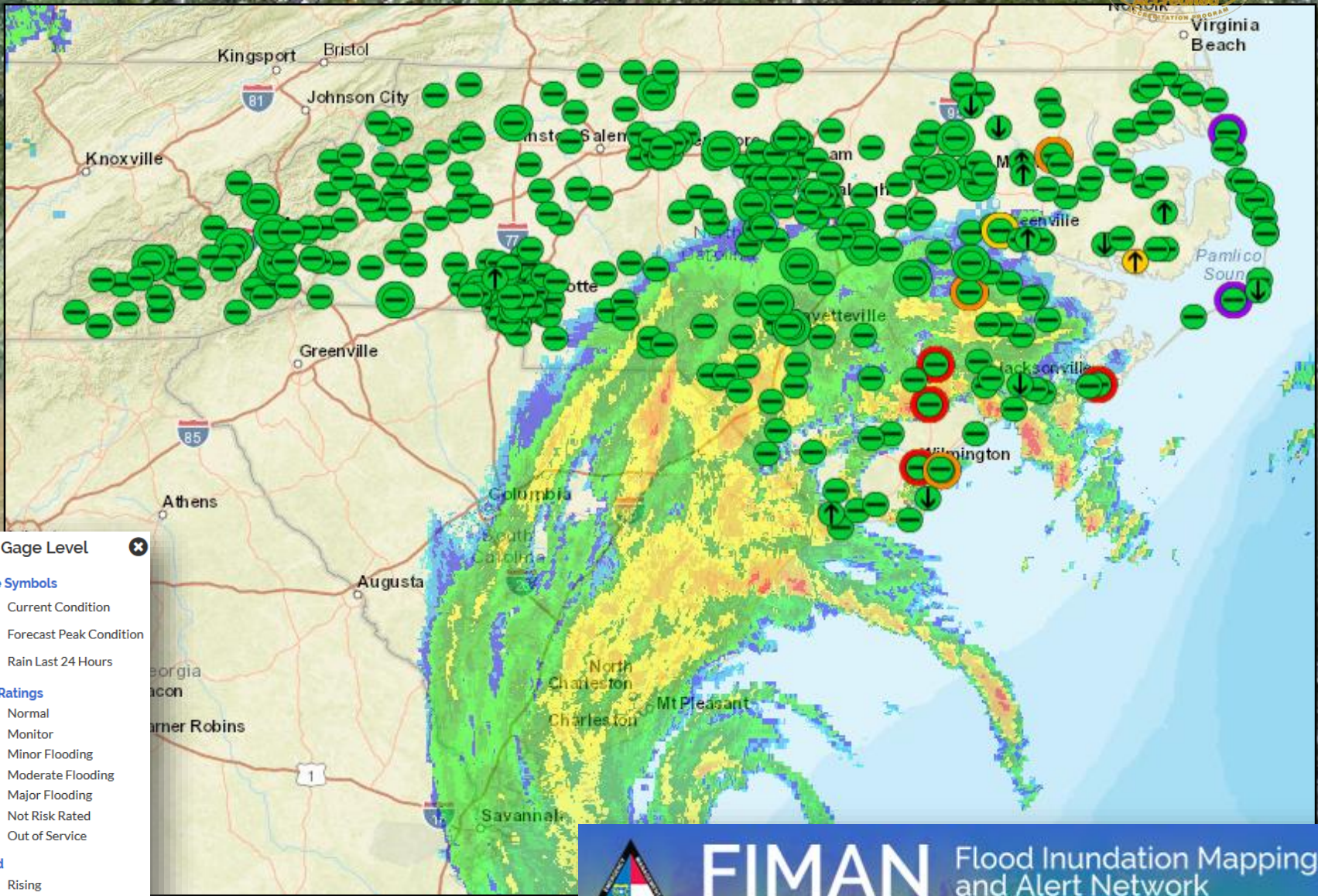


Friday

| | |
|---|---|
| <p>MARGINAL (MRGL)</p> <p>Isolated flash floods possible</p> <p>Localized and primarily affecting places that can experience rapid runoff with heavy rainfall.</p> | <p>SLIGHT (SLGT)</p> <p>Scattered flash floods possible</p> <p>Mainly localized. Most vulnerable are urban areas, roads, small streams and washes. Isolated significant flash floods possible.</p> |
| <p>MODERATE (MDT)</p> <p>Numerous flash floods likely</p> <p>Numerous flash flooding events with significant events possible. Many streams may flood, potentially affecting larger rivers.</p> | <p>HIGH (HIGH)</p> <p>Widespread flash floods expected</p> <p>Severe, widespread flash flooding. Areas that don't normally experience flash flooding, could. Lives and property in greater danger.</p> |
| <p>Flash flooding near me?</p> | <p>Flash Flooding</p> <p>NO Flash Flooding</p> |

RIVER FLOOD OUTLOOK

September 5, 2019 – 9AM



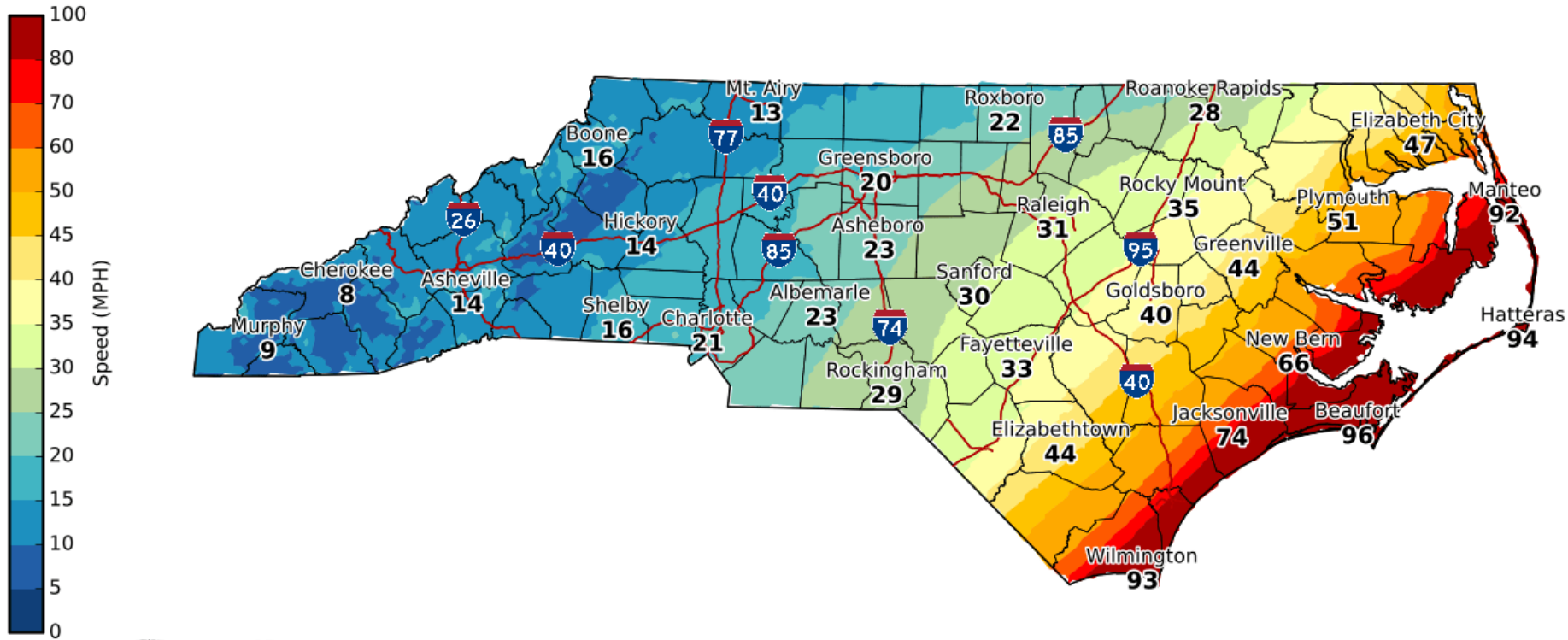
FIMAN Flood Inundation Mapping and Alert Network

MAX SUSTAINED WINDS THURSDAY-FRIDAY

September 5, 2019 – 8AM



72 hr Max Sustained Winds Valid: 09/05/2019 06:00 AM - 09/08/2019 06:00 AM EDT



National Weather Service
North Carolina NWS Offices
09/05/2019 06:12 AM EDT

Follow Us:   
[weather.gov/rah/nc](https://www.weather.gov/rah/nc)

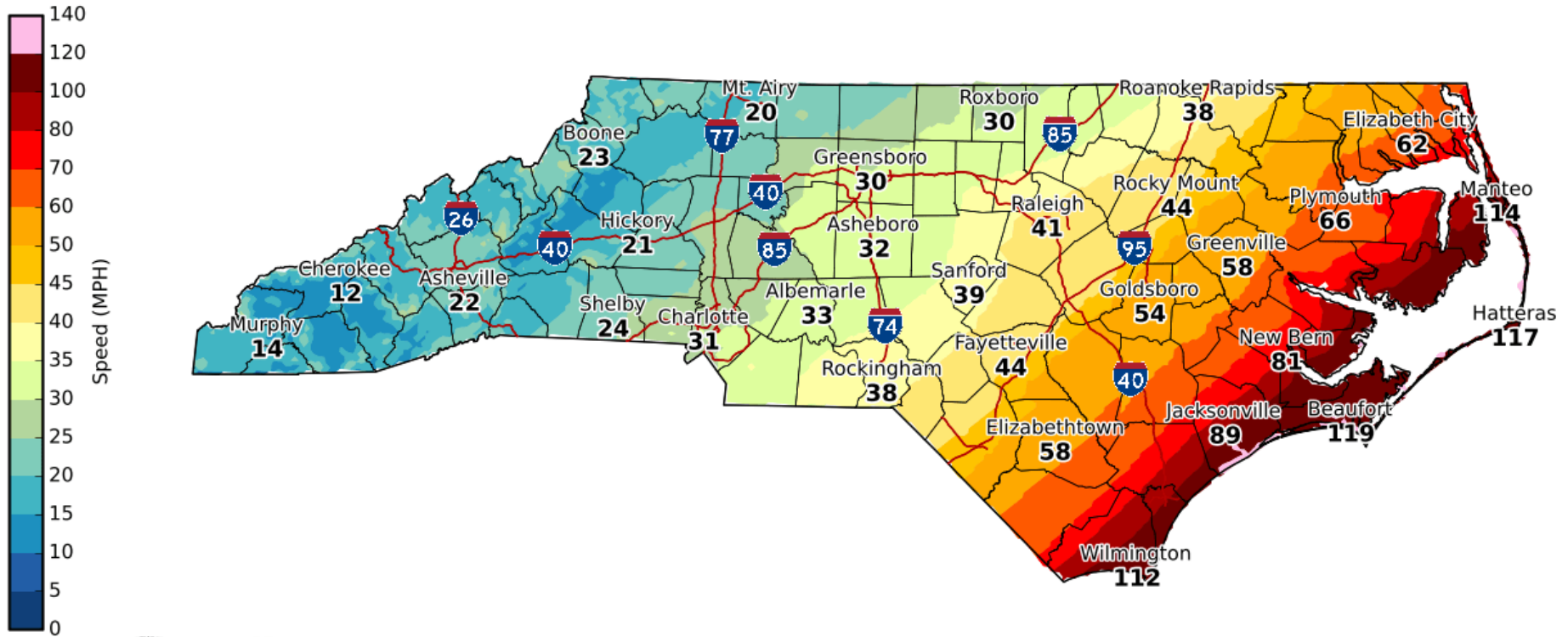
Sustained tropical storm force winds are likely east of I-95 with hurricane force winds expected along the immediate coast.

MAX WIND GUSTS THURSDAY-FRIDAY

September 5, 2019 – 8AM



72 hr Max Wind Gust Valid: 09/05/2019 06:00 AM - 09/08/2019 06:00 AM EDT



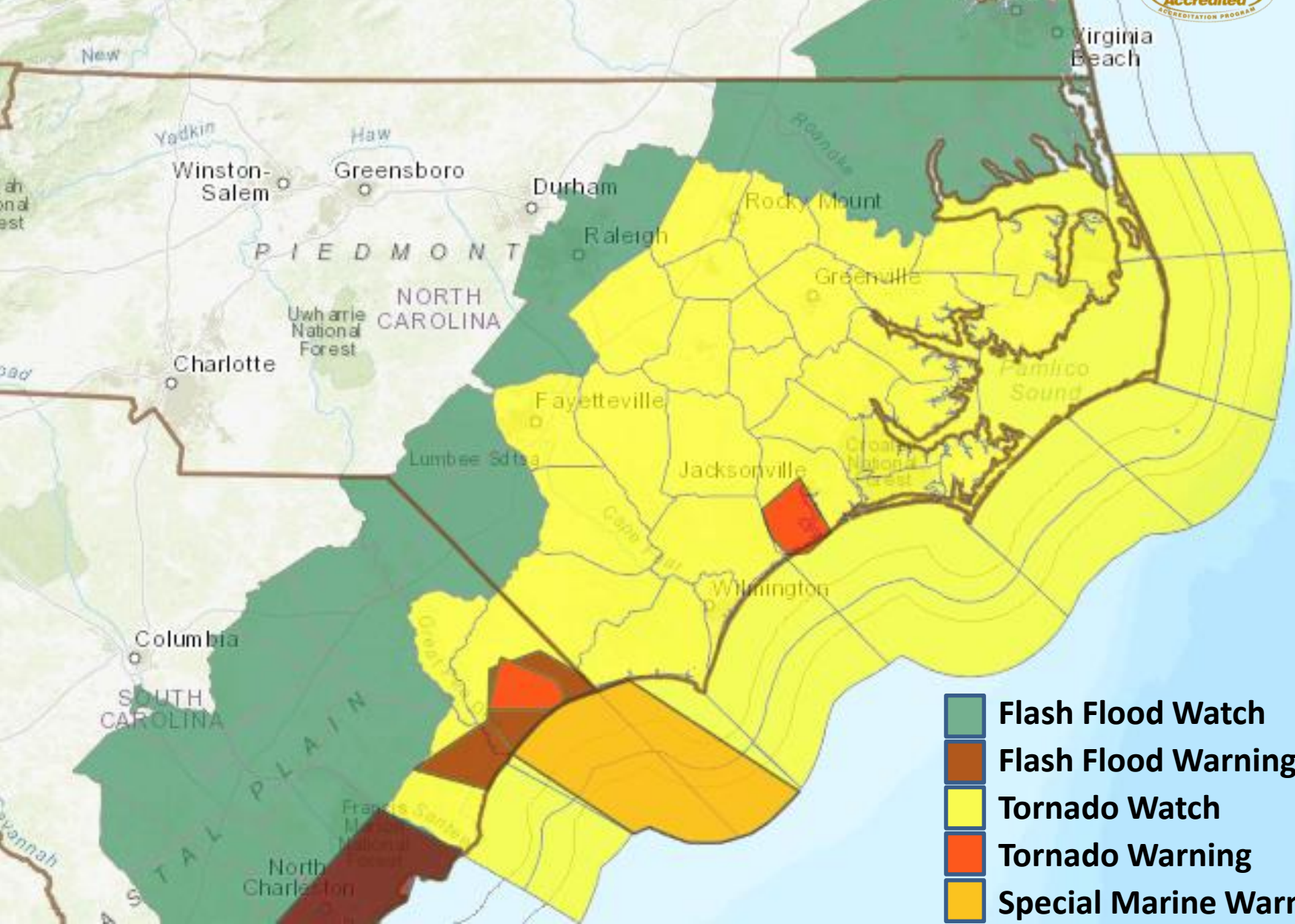
National Weather Service
North Carolina NWS Offices
09/05/2019 06:12 AM EDT






Follow Us:   
weather.gov/rah/nc

Sustained tropical storm force winds are likely east of I-95 with hurricane force winds expected along the immediate coast.

CURRENT WATCHES/WARNINGS

September 5, 2019 – 8:30AM



-  Flash Flood Watch
-  Flash Flood Warning
-  Tornado Watch
-  Tornado Warning
-  Special Marine Warning

DORIAN FLOODING SAFETY

ReadyNC

EMAP
Accredited
ACCREDITATION PROGRAM



FLASH FLOOD SAFETY TIPS

- **Move to higher ground when –**
 - A Flash Flood Warning is issued
 - Any possibility of a flash flood exists
 - Do not wait for instructions!
- **Do not walk through moving water**
- **Do not drive into flooded areas**
- **Do not ignore traffic barricades that close off flooded roadways**
- **Do not camp or park along streams, rivers, or creeks**

18"

of flowing
water can carry
away most
vehicles

6"

of fast-moving
water can knock
over an
adult

USING TRUSTED SOURCES



Receiving Severe Weather Alerts

- **NOAA Weather Radio (NWR):**
 - Broadcasts continuous weather information
 - Audible alert when watches/warnings are issued
 - Purchased at electronic and large retail stores for <\$40
- **Wireless Emergency Alerts (WEA):**
 - Alerts via cell phone or mobile device
 - No need to download an app or subscribe to a service
 - Alerts look like text message
 - Free service!
- **Cell Phone Apps:**
 - Many to choose from that provide real-time NWS alerts
 - Some are free, while others charge a small fee
- **Emergency Alert System (EAS) + Radio/TV:**
 - Warnings via broadcast, cable, satellite, and wireline services
 - Tune to your local TV, radio station, or web site for details!

