A Hurricane Warning is In Effect

Major Hurricane Matthew Briefing Situation Overview

WARNING!

A Hurricane Warning means hurricane conditions can be expected in some portion of the warned area within the next 36 hours.

…THIS IS NOW A WORST CASE STORM SURGE SCENARIO…

- **Catastrophic Damage is Anticipated for Coastal Areas.**
- **Major Hurricane Matthew is still expected to move DANGEROUSLY CLOSE the Florida First Coast and Southeast Georgia Coast Friday through Friday night into Saturday with *catastrophic impacts* expected along and near the coast.**
- **A major hurricane has not impacted this area in 118 years, since October 2nd 1898. There is NO local living memory of the potential of this event. *If a direct landfall occurs this will be unlike any hurricane in the modern era*.**
- **The western eyewall is expected to move along a portions of the coast with sustained winds 115 to 125 mph and gusts in the most affected areas!**
- ***Winds will be higher in high rise structures in Downtown Florida possibly strong Category 4 to Category 5 intensity!***
- ***Some of the lowest barrier islands will be completely overtopped with large battering wave and life threatening flooding. Barrier islands are likely to breached and it is extremely possible that new inlets will be cut in the worst affected areas.***
- **Please, Please heed the advice of public and emergency management officials. 40 people in New York and New Jersey did not heed these warning during Sandy and died in the storm surge!**
- ***This will be a MUCH Greater surge than Sandy had along the New Jersey Shore!***

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Five Day Cone of Uncertainty And Area of Potential Impacts

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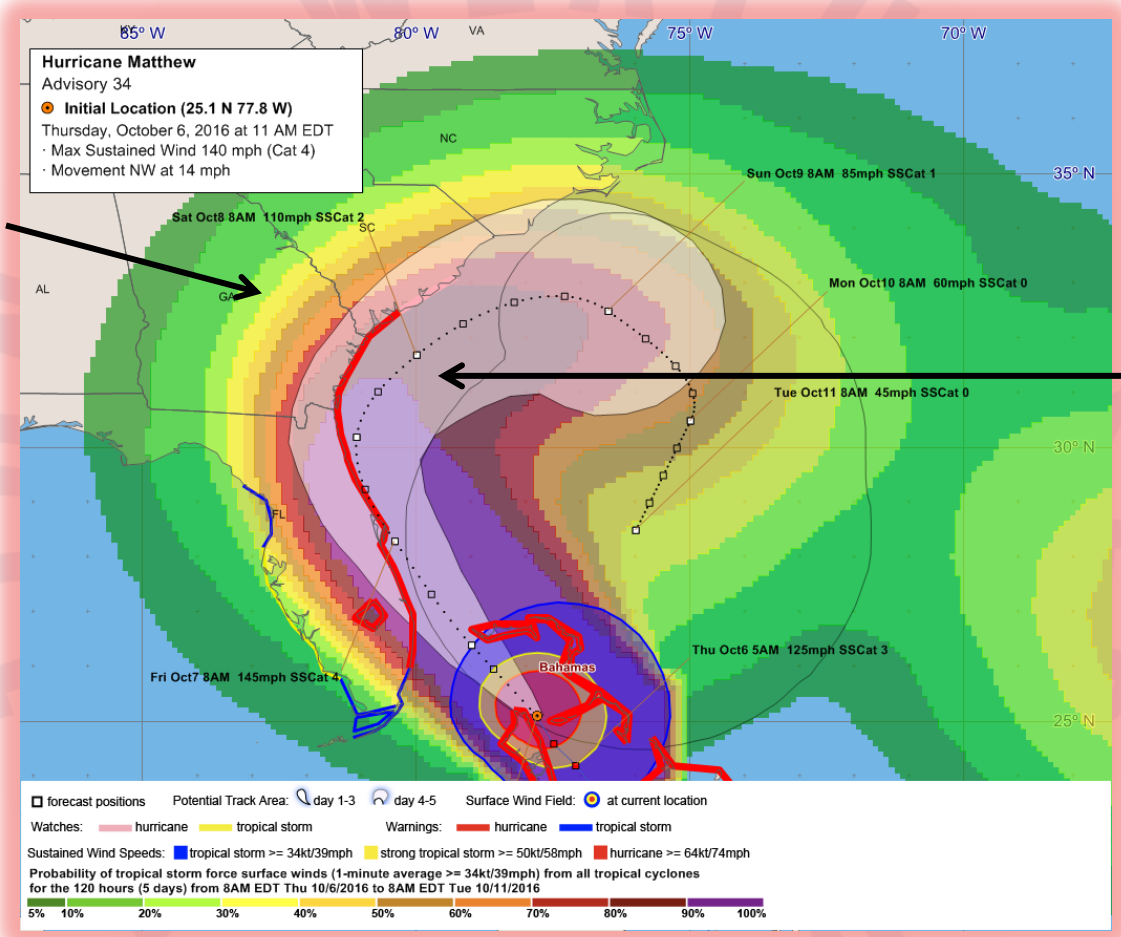
Possible Impacts



Possible Track

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Tropical Storm Force Wind Speed Probabilities

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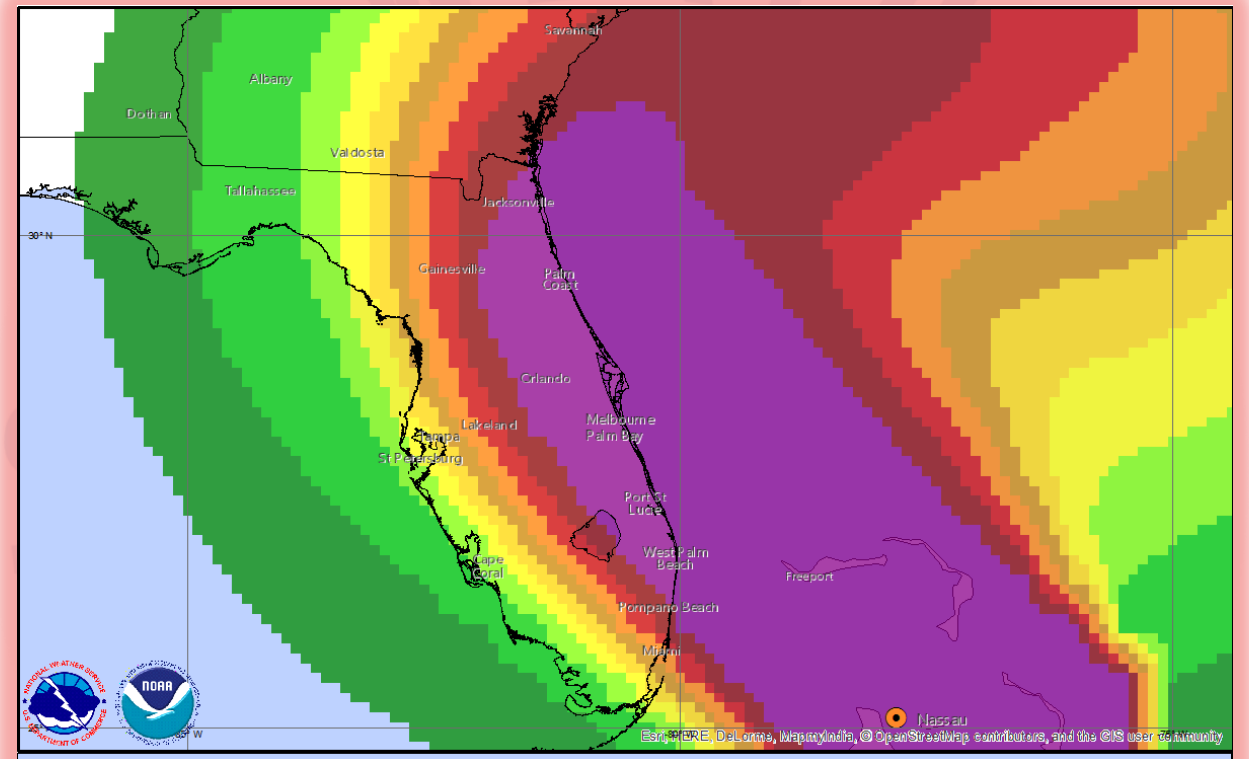

Major Hurricane MATTHEW
Advisory 34
Thursday October 06, 2016
11 AM ET
NWS National Hurricane Center

Tropical Storm Force Wind Probabilities
Valid for 5 days ending 08 AM ET Tue Oct 11
Cumulative Probability > 39 mph Sustained Winds

Advisory Position:

5% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

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Hurricane Force Wind Probabilities

These value are increasing, they are indicating a chance of a high impact event.

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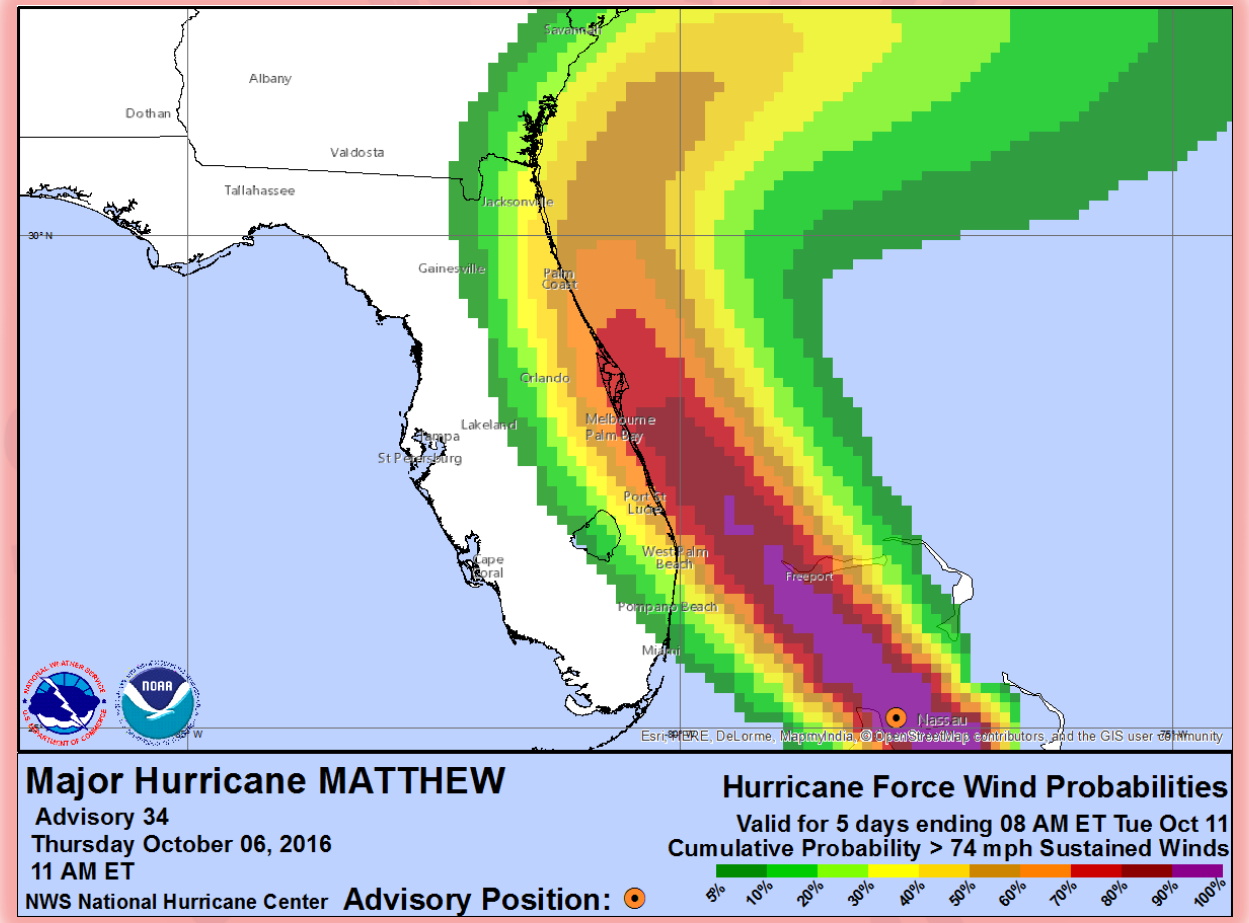

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Storm Surge Threat and Warning

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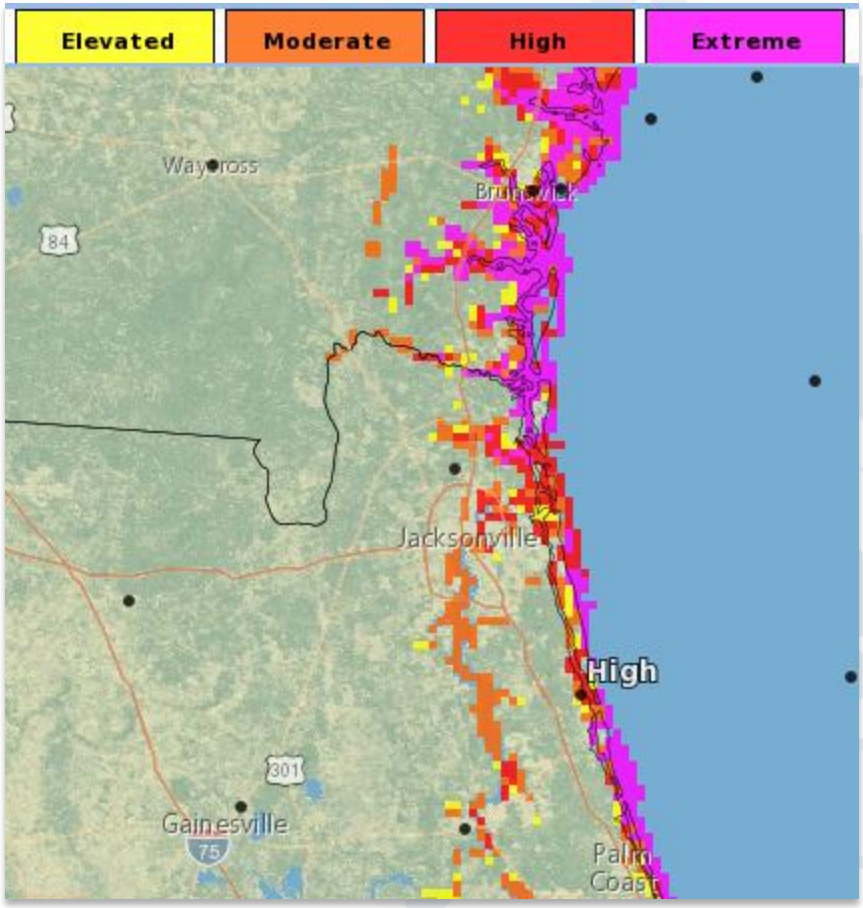

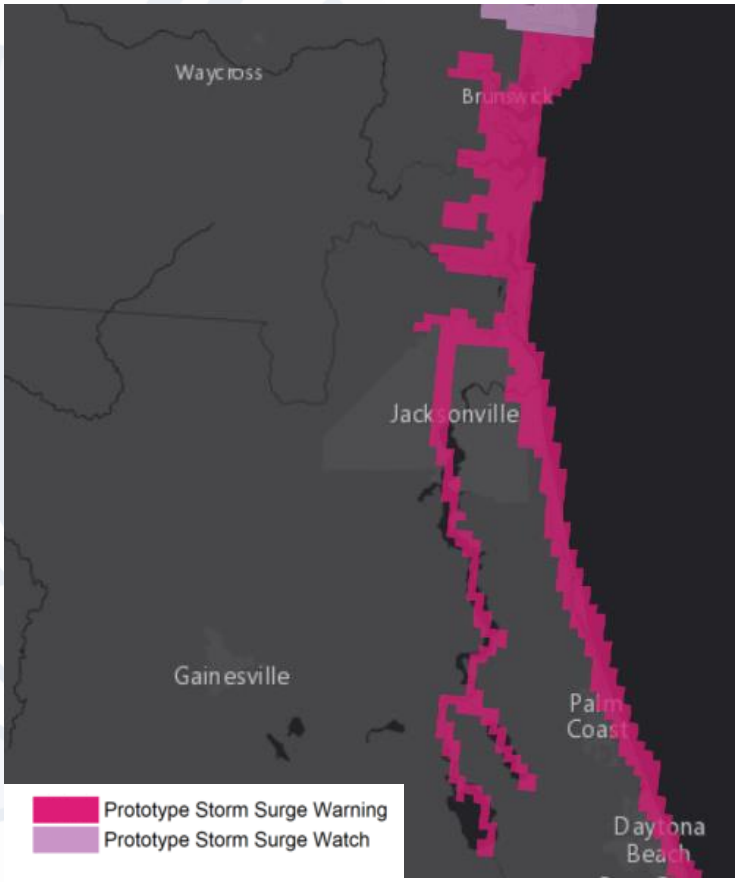

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Reasonable Worst Case Storm Surge

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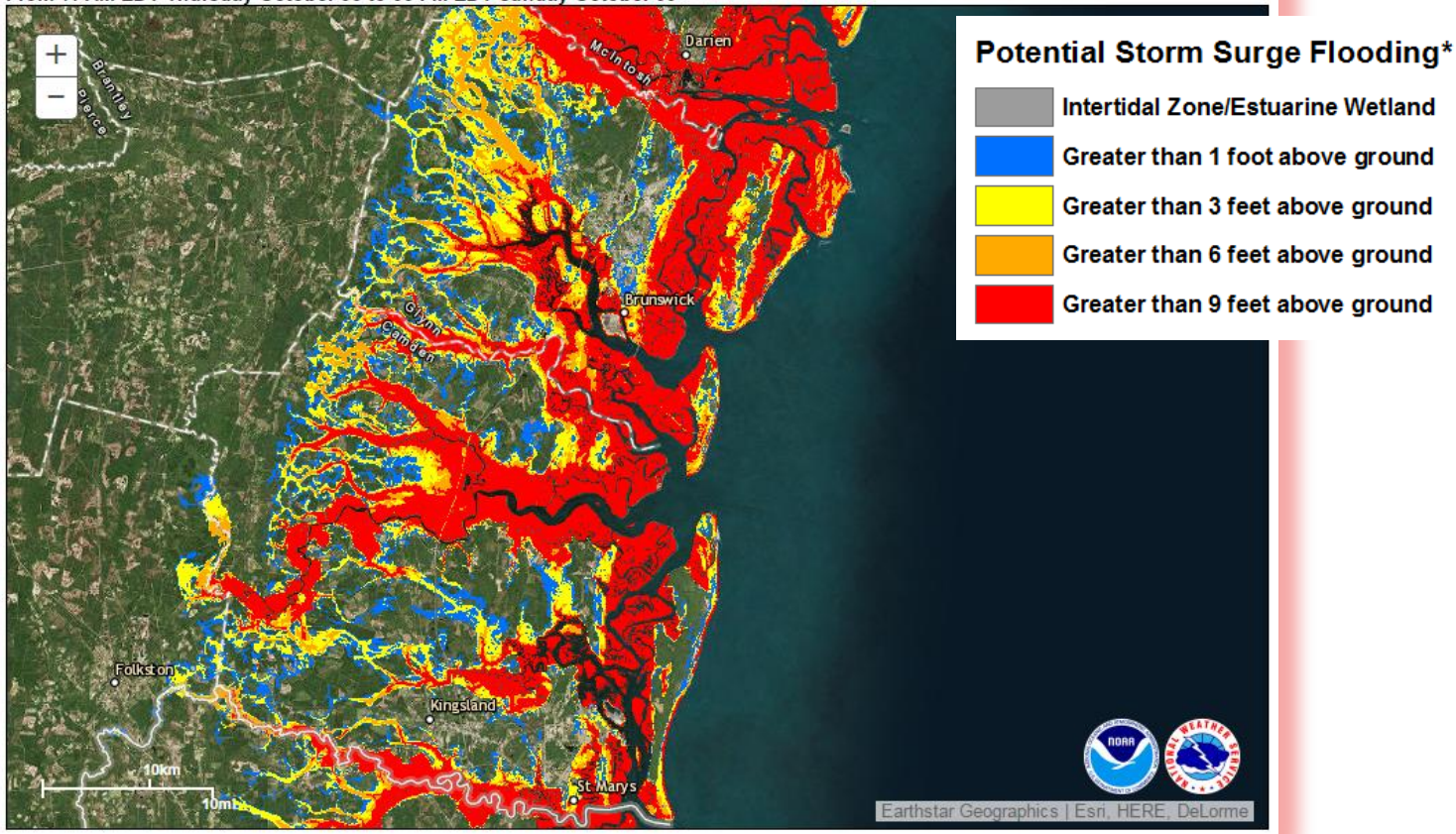

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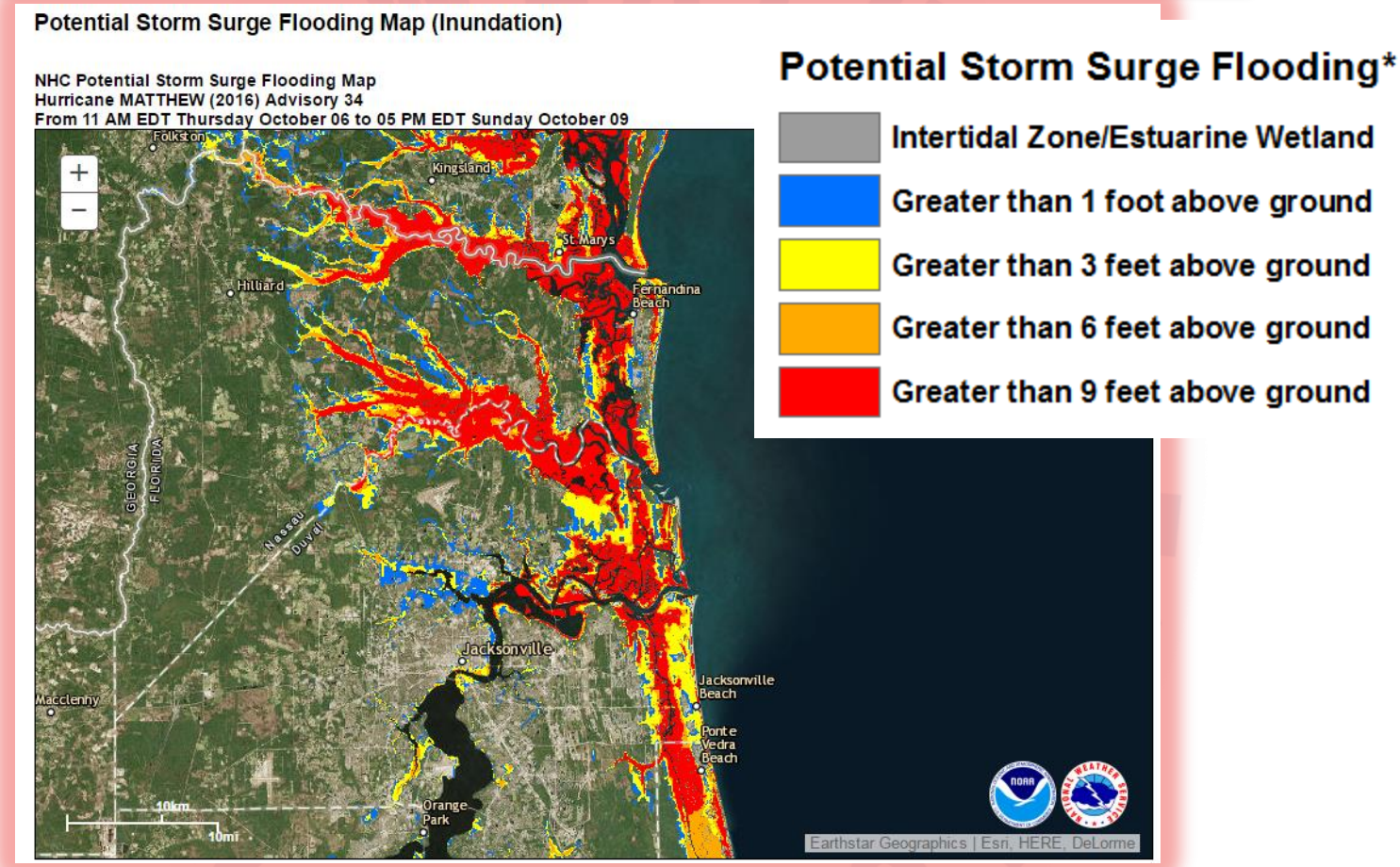

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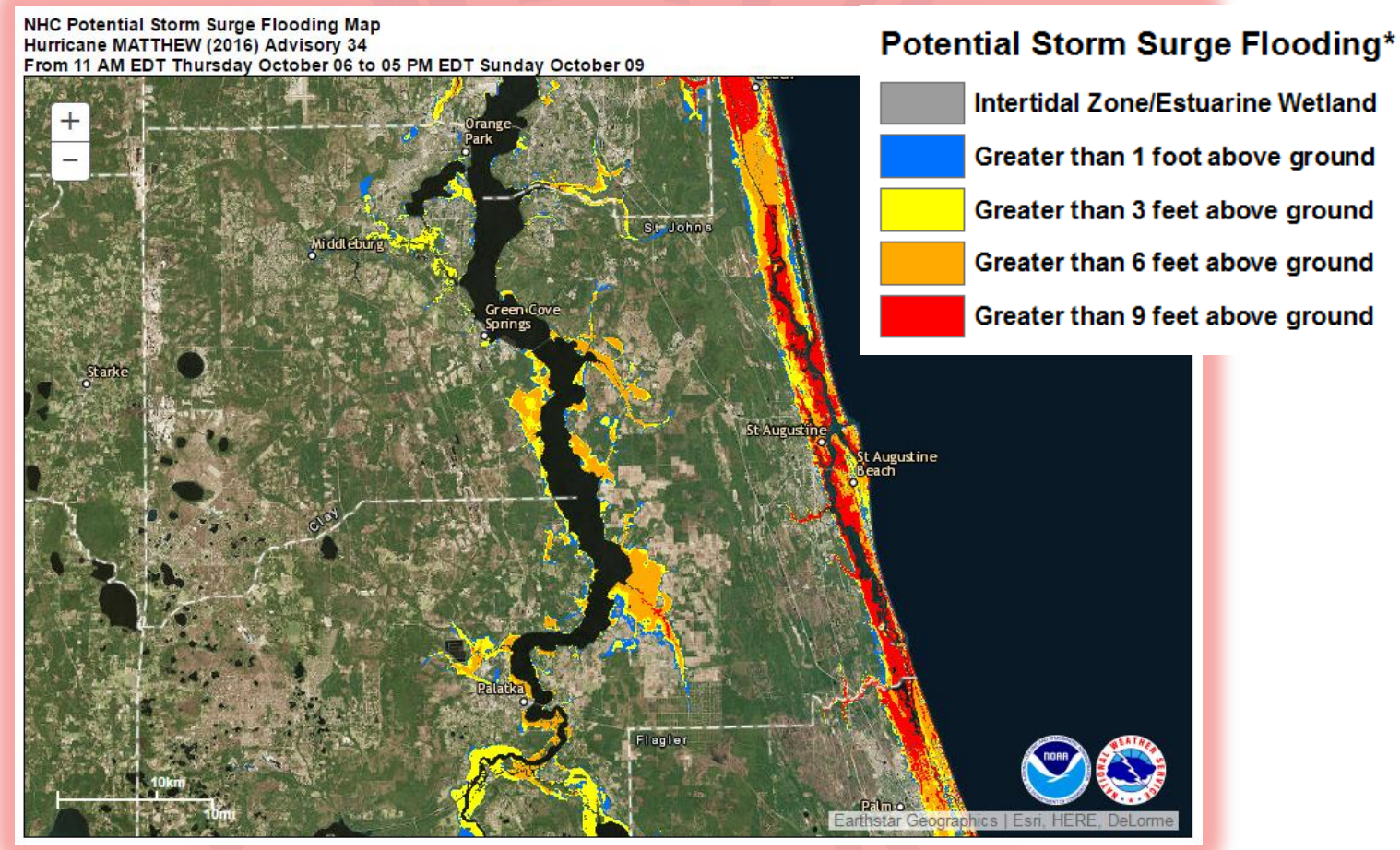

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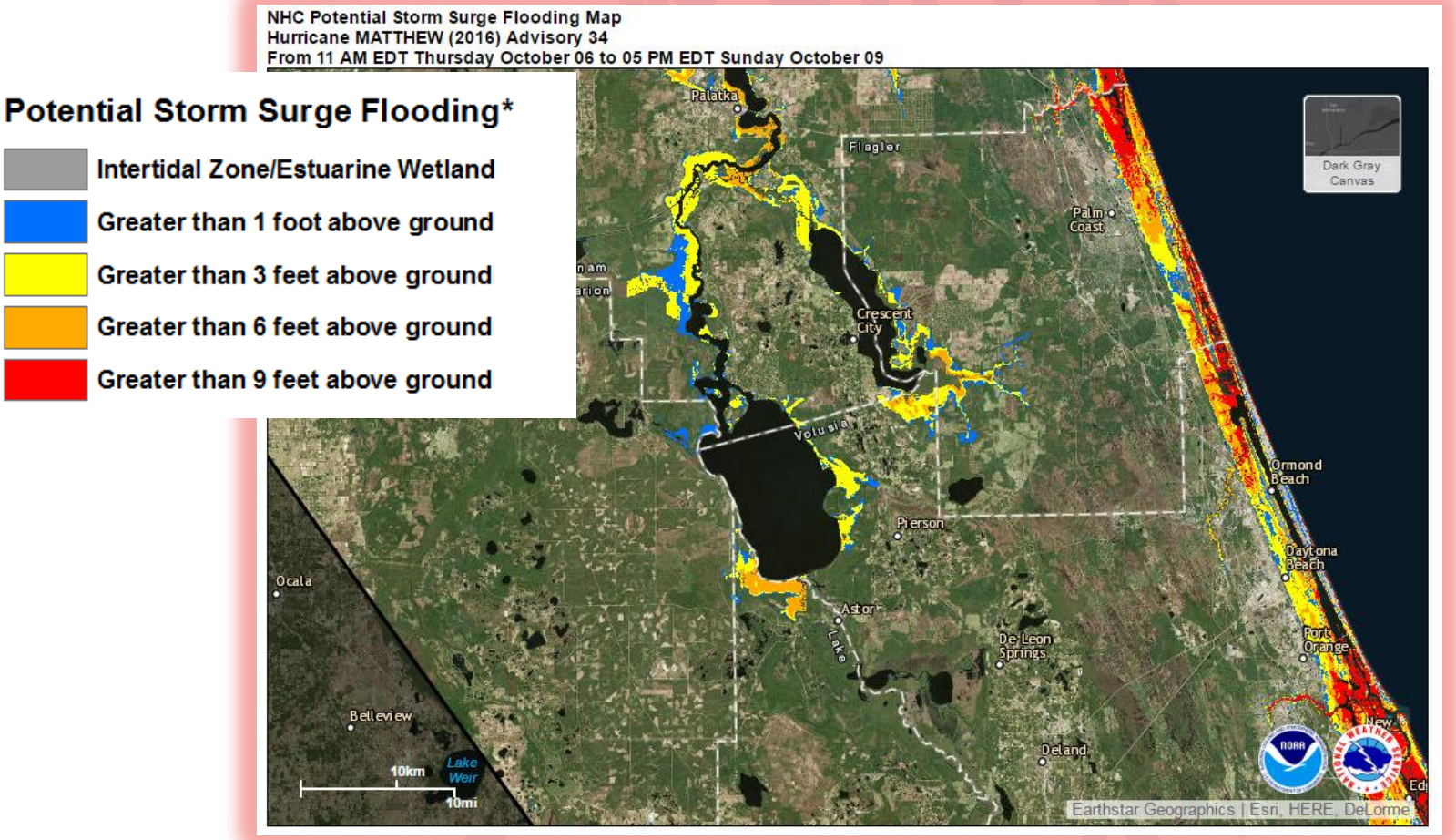

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Local Impacts

Very High Confidence of Destructive Coastal Impacts!!!

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Expected Coastal Impacts:

- Life Threatening Storm Surge greater than 9 feet Above Ground Level expected with large wave action on top of it.
- St Johns River and many other estuaries 6 to 9 Feet.
- Large, Destructive Breakers of 20 to 25 feet.
- Total Devastation of barrier islands.
- New Inlets will likely be cut in weak points on the barrier Island s and peninsulas.
- Complete undermining and scouring of coastal roads.
- Extensive structural collapse along the immediate coast.

A robust breaker produced by Hurricane Floyd during September 1999 approaches the Jacksonville Beach Pier. The end of the pier was smashed away.

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Storm Surge
Things To Think About…

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- **Remember Storm Surge graphics depict *STILL water heights,* as though you were in your swimming pool (think neck deep in the pool).**
- **Unlike your pool a hurricane has large wave action on top of the surge and when those waves impact the beaches and dunes that water "runs up" or put another way it moves inland a considerable distance.**
- **So we are looking at water 6 to 9 feet deep with large waves on it!**
- **Imagine 6-foot person, water up to top of head, hit by 20 foot breakers!**

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Hurricane and Tropical Storm Warnings Wind Threat

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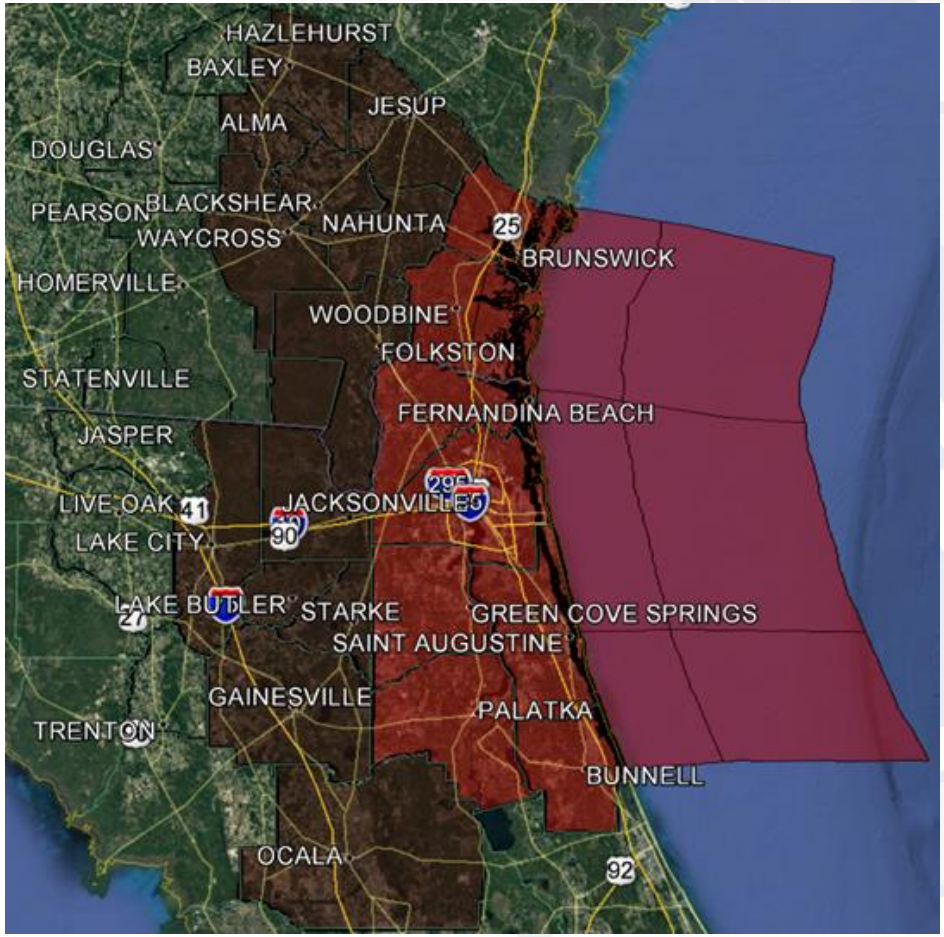

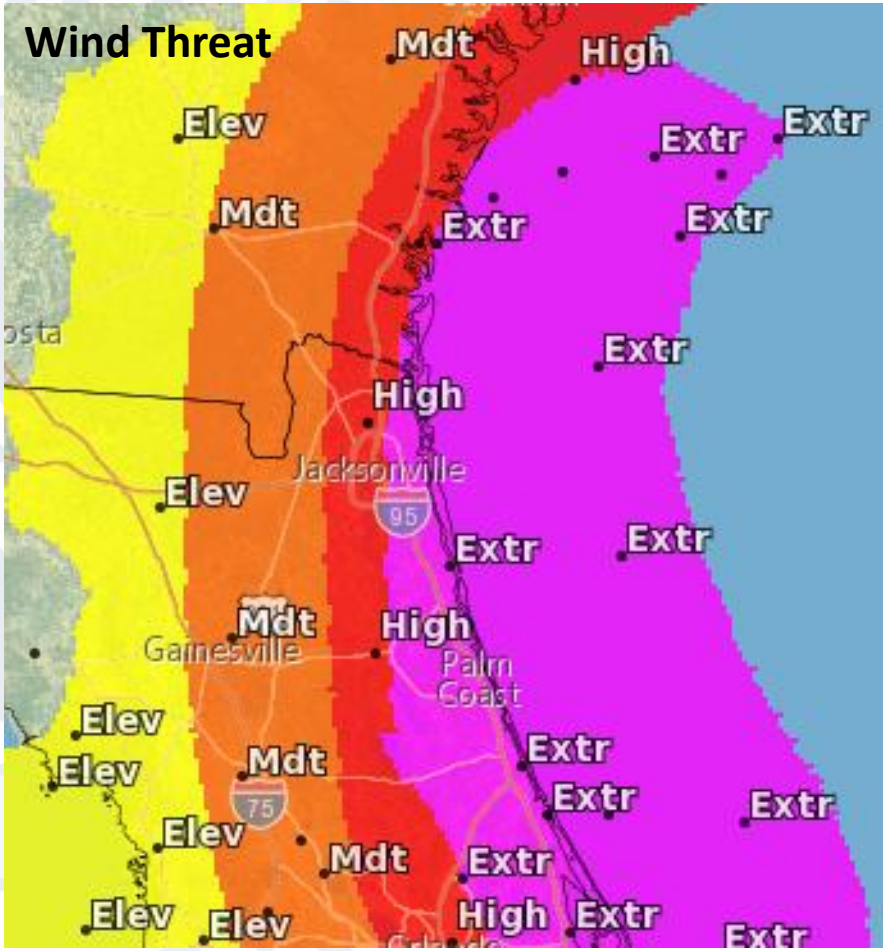

Hurricane Warning

Tropical Storm Warning

A Hurricane Warning is In Effect

Flagler Beach Possibly in the Eye

Friday Afternoon 110-125 mph Winds with Gusts 140 mph

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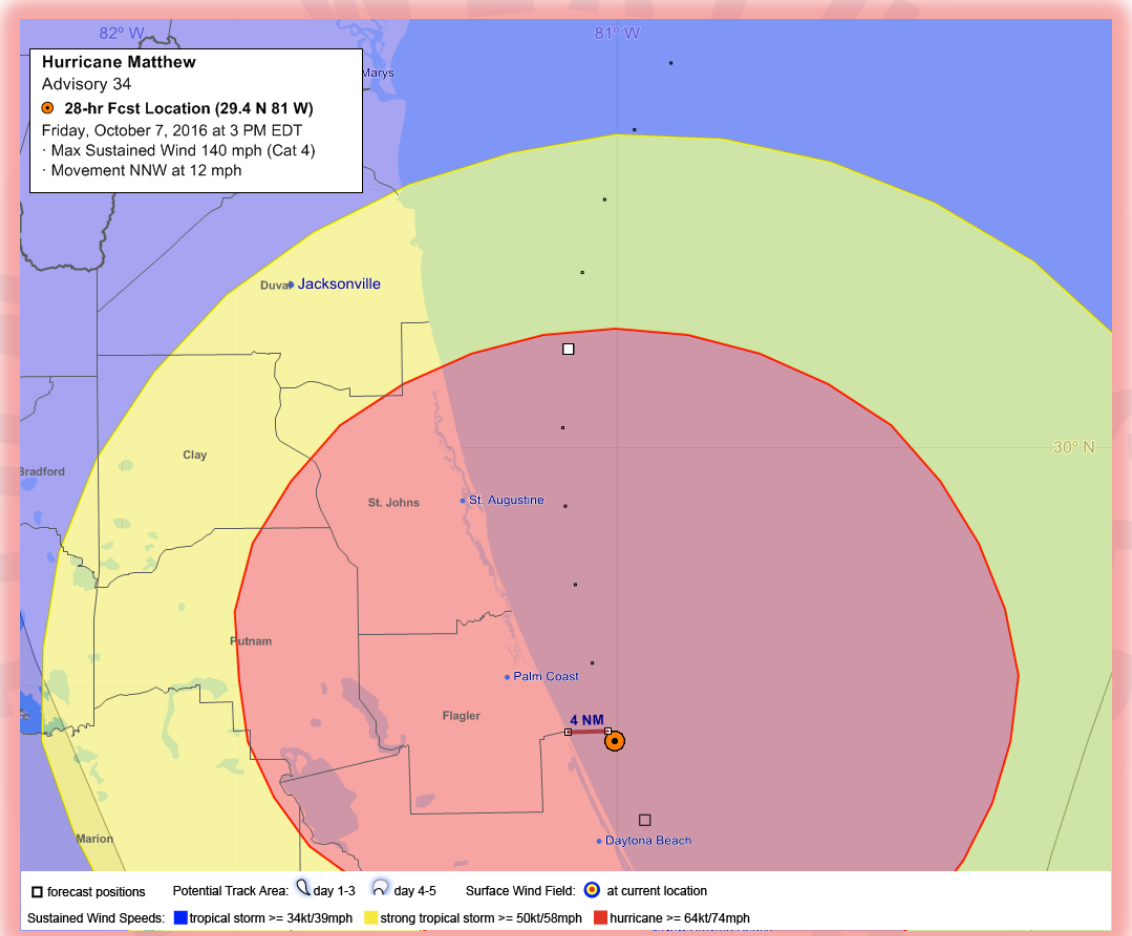

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A Hurricane Warning is In Effect

Friday 3 p.m. Winds (in Knots)
10 knots = 12 mph

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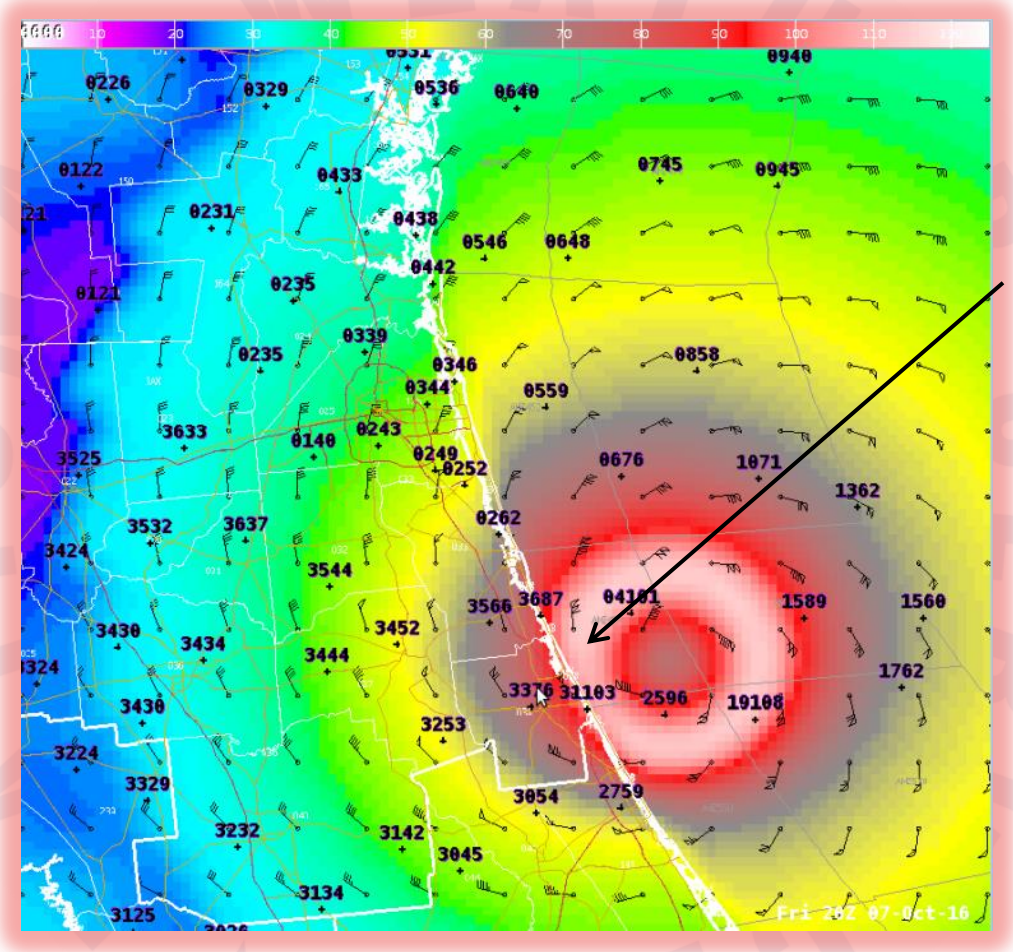

110-125 Mph
Gusts to 140 mph

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A Hurricane Warning is In Effect

Friday 9 p.m. Winds (in Knots)
10 knots = 12 mph

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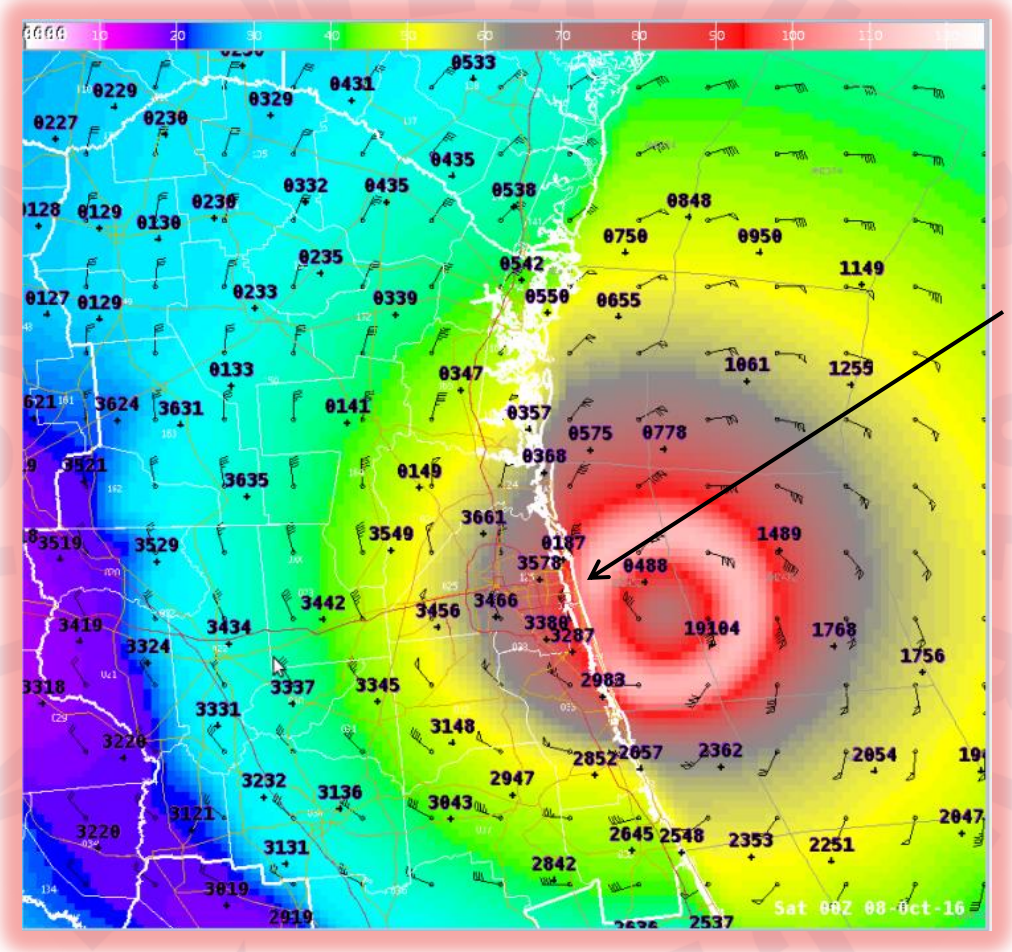

80-100 Mph
Gusts 125 mph

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Saturday 1 a.m. Winds (in Knots)
10 knots = 12 mph

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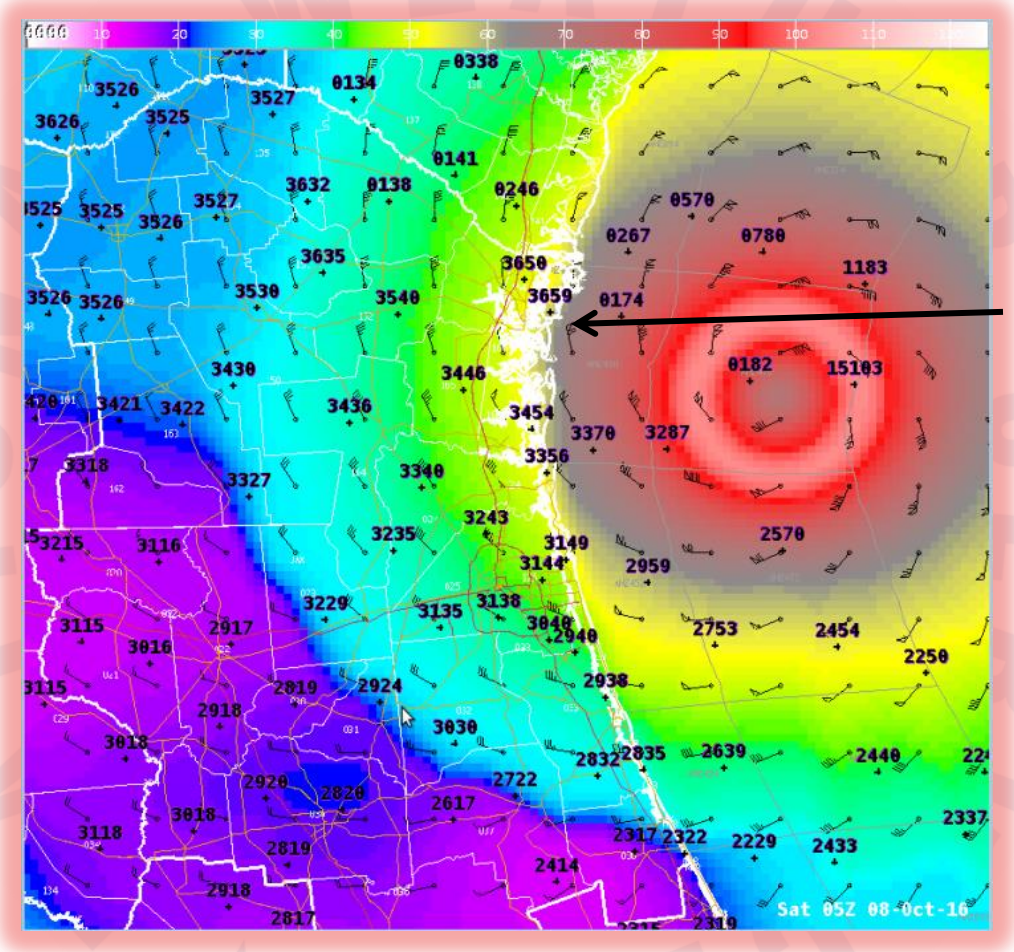

65-80 Mph
Gusts 100 mph

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High Rise Winds Could Be One Category Higher

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- Windows shed glass
- Danger of Falling Debris
- Use caution when sheltering in tall structures.

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A Hurricane Warning is In Effect

Heavy Coastal Rainfall Likely

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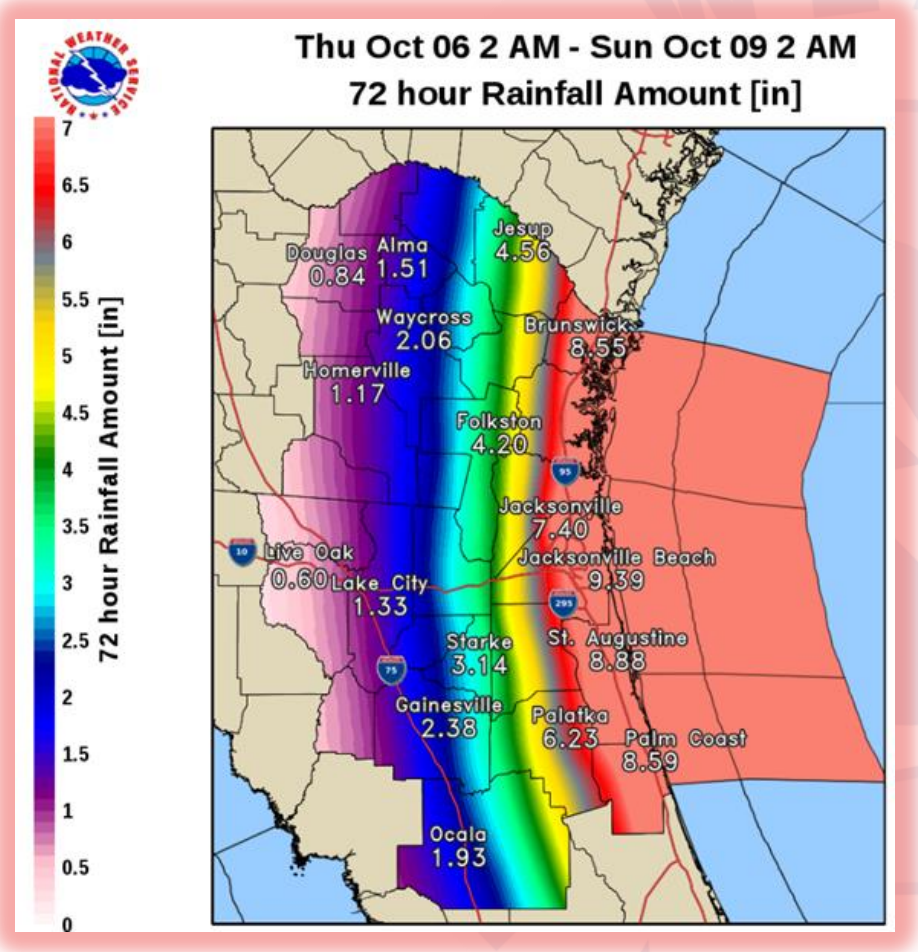

- Localized Pockets of very heavy rain are possible through the duration of the storm event.
- Today through late Friday night, intervals of squally rain bands will come ashore
- Some areas may repeatedly get heavy rainfall, causing localized to large swaths of flooding, particularly over the coastal counties.
- Heavy rainfall combined with storm tide may exasperate standing water in some coastal areas.

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Flood Watch

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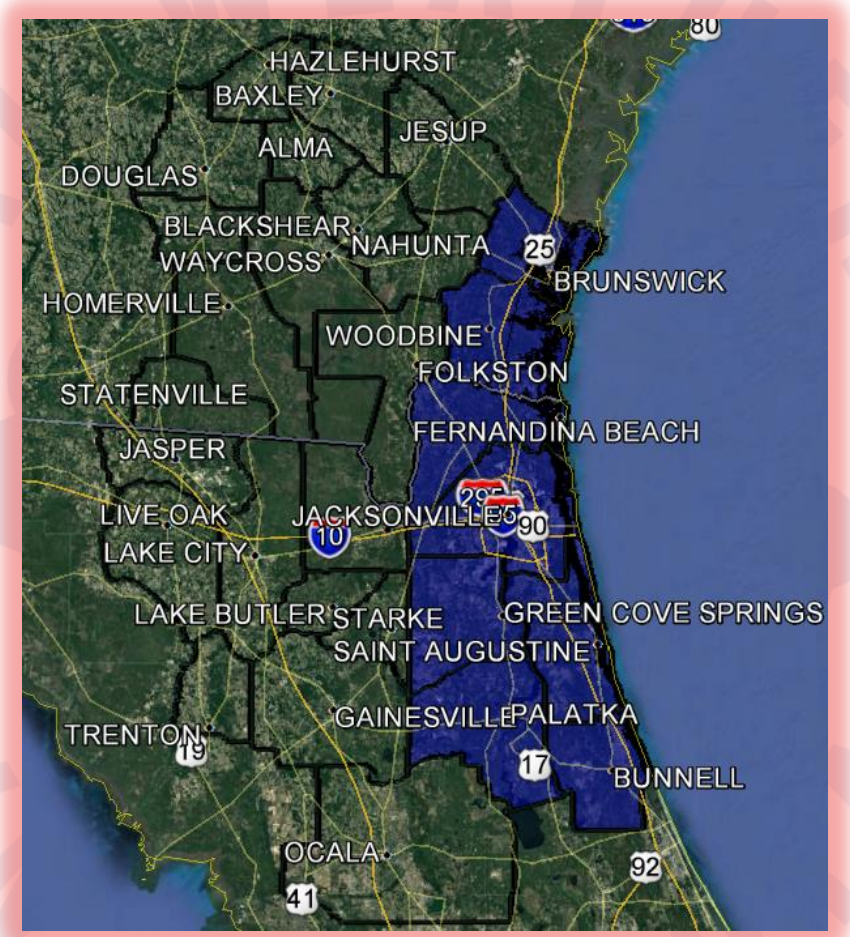

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Making Informed Decisions

A tropical storm watch means tropical storm conditions ARE POSSIBLE somewhere within the warned area within the next 36 to 48 hours.

Some local precautions need to be taken at this point. Please heed the advice of local officials and emergency management.

- Double check your emergency supply kit and pick up any missing items.
- Fill your vehicle's gas tank.
- Get cash, secure papers and valuables, and refill medication.
- If you plan on evacuating, make arrangements, book reservations, and pack your emergency supply kit and valuables in your car.
- Evacuate immediately if told to do so.

Hurricane or Tropical Storm WATCH is Issued

- Final Actions if Leaving
  - Turn off propane tanks.
  - Unplug small appliances.
  - Empty the refrigerator and freezer.
  - Turn off utilities, if advised to do so.
  - Lock home securely.
  - Take pets with you.
- Final Actions if Staying
  - Close storm shutters, board up remaining doors and windows, and brace garage doors. Do not use tap on windows!
  - Lower water level in pools by one foot.
  - Turn refrigerator or freezer to coldest setting and open only if necessary.
  - Be prepared to turn off utilities
  - Identify a safe room with no windows.

Hurricane or Tropical Storm WARNING is Issued

For a comprehensive emergency supply kit list visit www.ready.gov/kit.

A Hurricane Warning is In Effect

Major Hurricane Matthew Talking Points

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- **On the current official forecast track, the closest approach of MAJOR Hurricane Matthew to the local coast would be Friday and Friday night.**

- **Potential Impacts:**
  - ***Major Hurricane Impacts are expected along some portion of the coast!***
  - ***Life threatening storm surge with huge, damaging waves on top of it are possible.***
  - **Complete and total destruction of structures on many of the barrier island is likely!**
  - **Tropical Storm or greater wind conditions could occur for 24 or more hours!**
  - **A shift in the track farther west or east will substantially influence the impacts realized. Stay updated on the latest forecast information!**
  - **HEED the advice of local officials and Emergency Management.**

- **Closely monitor the latest forecast from NHC/NWS Jacksonville for updates. The next scheduled briefing is scheduled for 6 p.m. Friday.**
- **Please heed coastal evacuation orders!**

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