



TROPICAL UPDATE



4:00 AM EST

Thursday, November 12, 2020

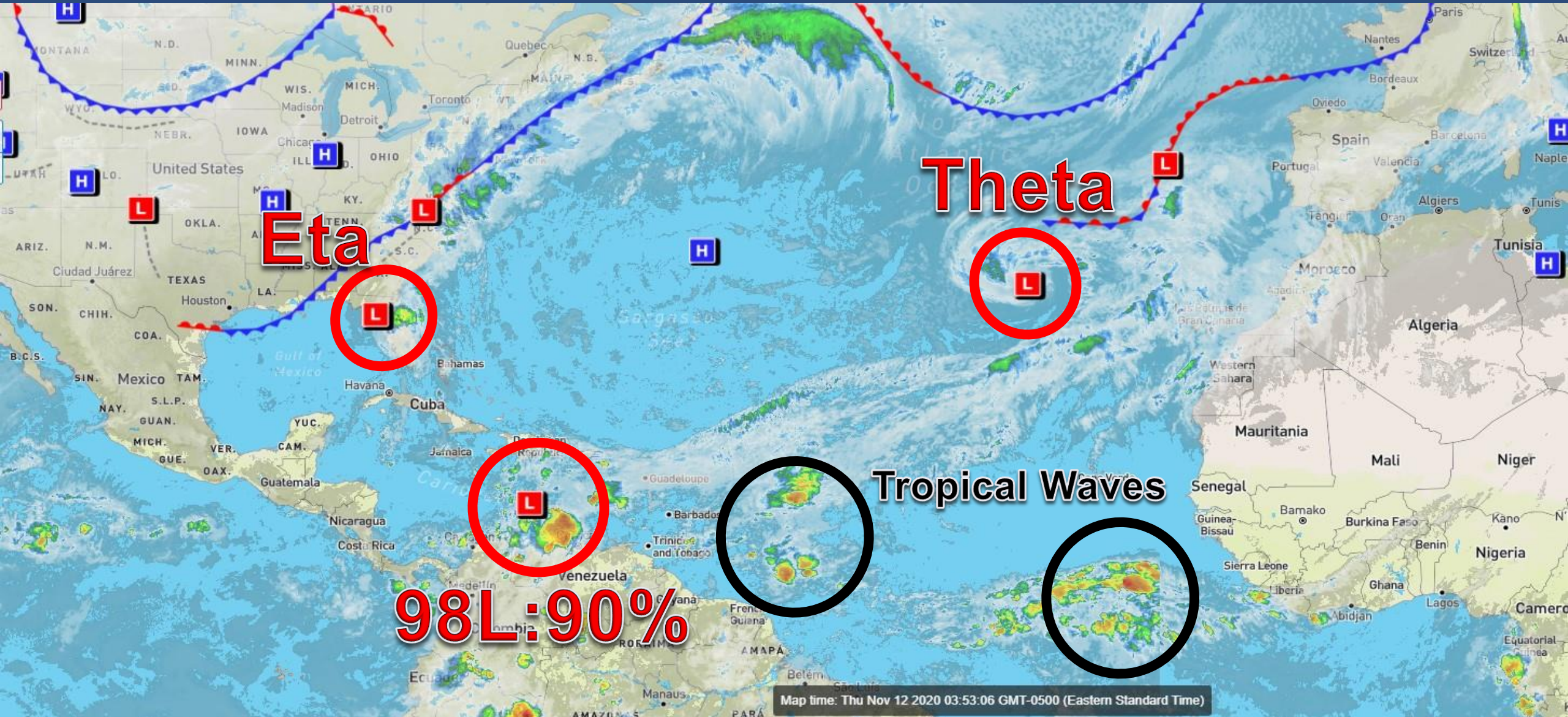
Tropical Storm Eta, Tropical Storm Theta,
and Invest 98L in the Caribbean (90%)

This update is intended for government and emergency response officials, and is provided for informational and situational awareness purposes only. Forecast conditions are subject to change based on a variety of environmental factors. For additional information, or for any life safety concerns with an active weather event please contact your County Emergency Management or Public Safety Office, local National Weather Service forecast office, or visit the National Hurricane Center website at www.hurricanes.gov.



Atlantic Basin Satellite Image

Chance of development: — None — Low — Medium — High



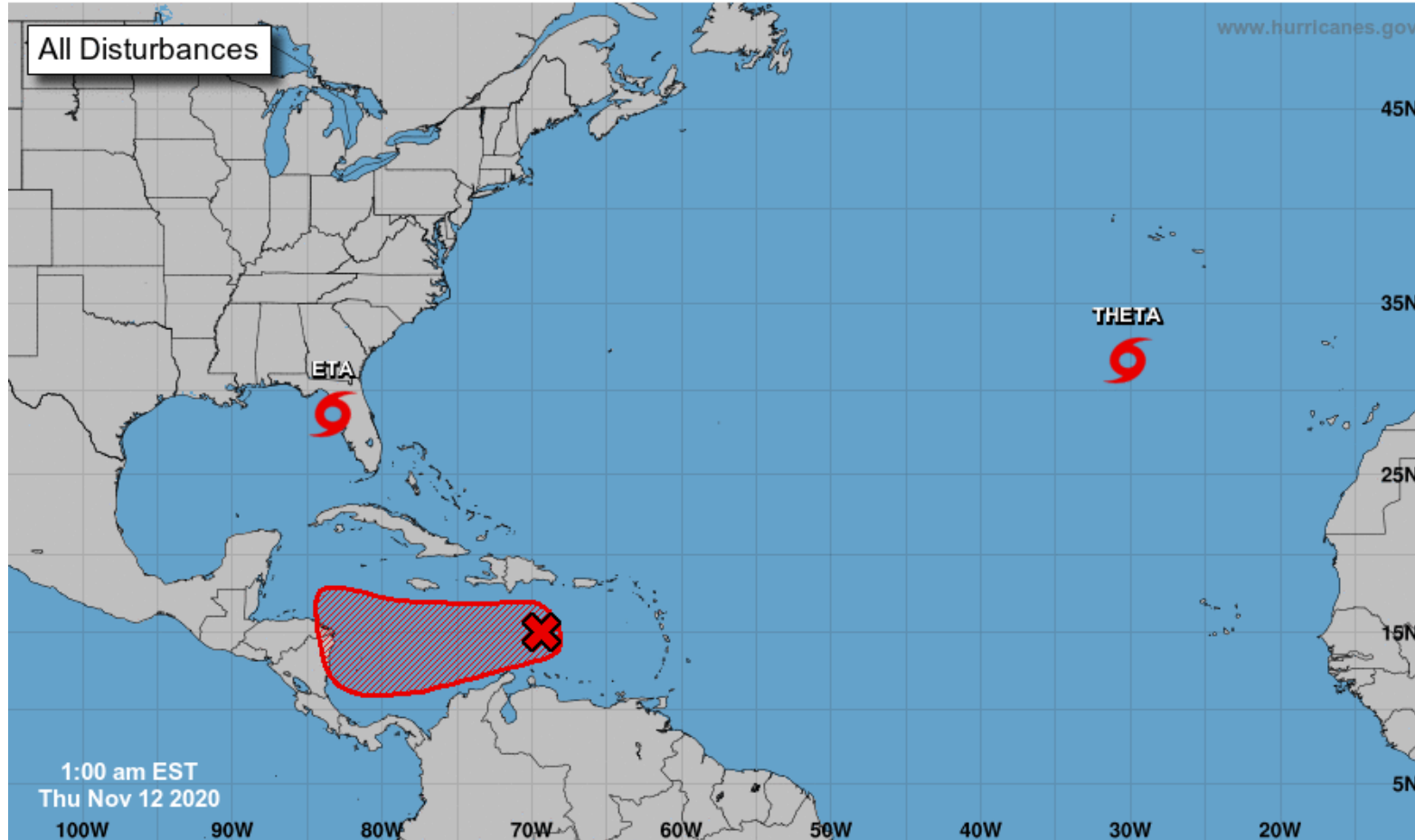


Tropical Weather Overview

Storms & Areas of Development During the Next 5 Days ([LINK](#))



Five-Day Graphical Tropical Weather Outlook National Hurricane Center Miami, Florida



Current Disturbances and Five-Day Cyclone Formation Chance: < 40% 40-60% > 60%

Tropical or Sub-Tropical Cyclone: Depression Storm Hurricane

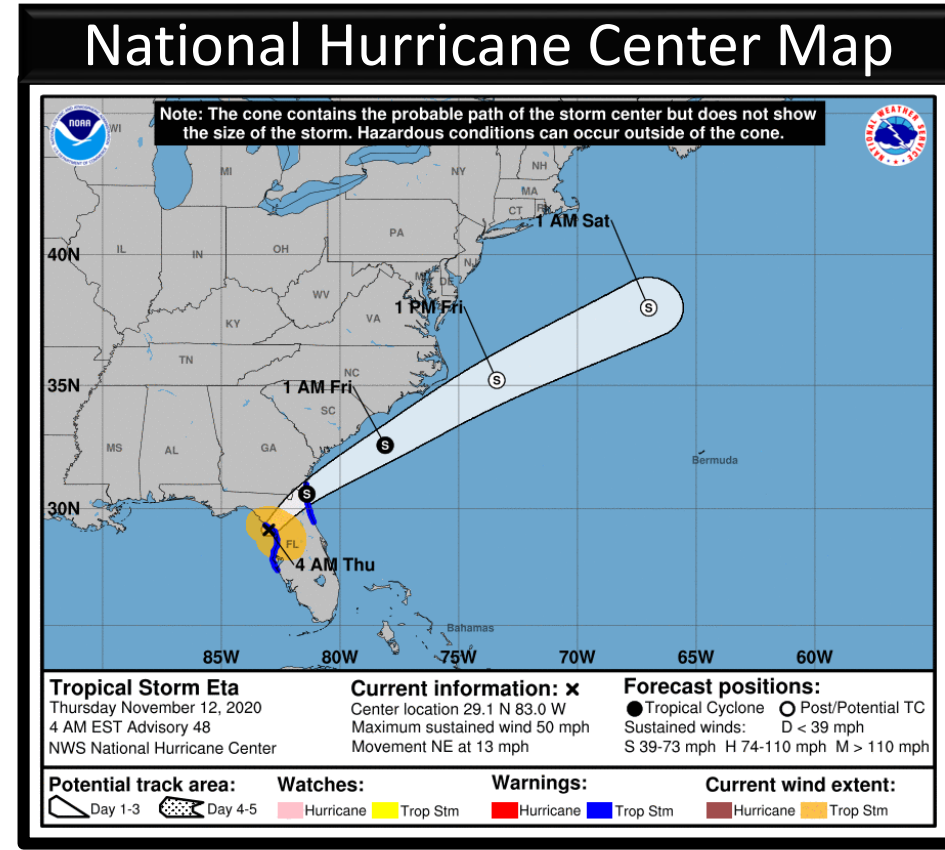
Post-Tropical Cyclone or Remnants



Tropical Storm Eta

4 AM ET Wednesday: Florida Threats & Changes Since Last Packet

	MINIMAL	Low	MODERATE	HIGH	EXTREME
WINDS					
STORM SURGE					
FLASH FLOODING					
TORNADOES					
	Low	MODERATE		HIGH	
RIP CURRENTS					



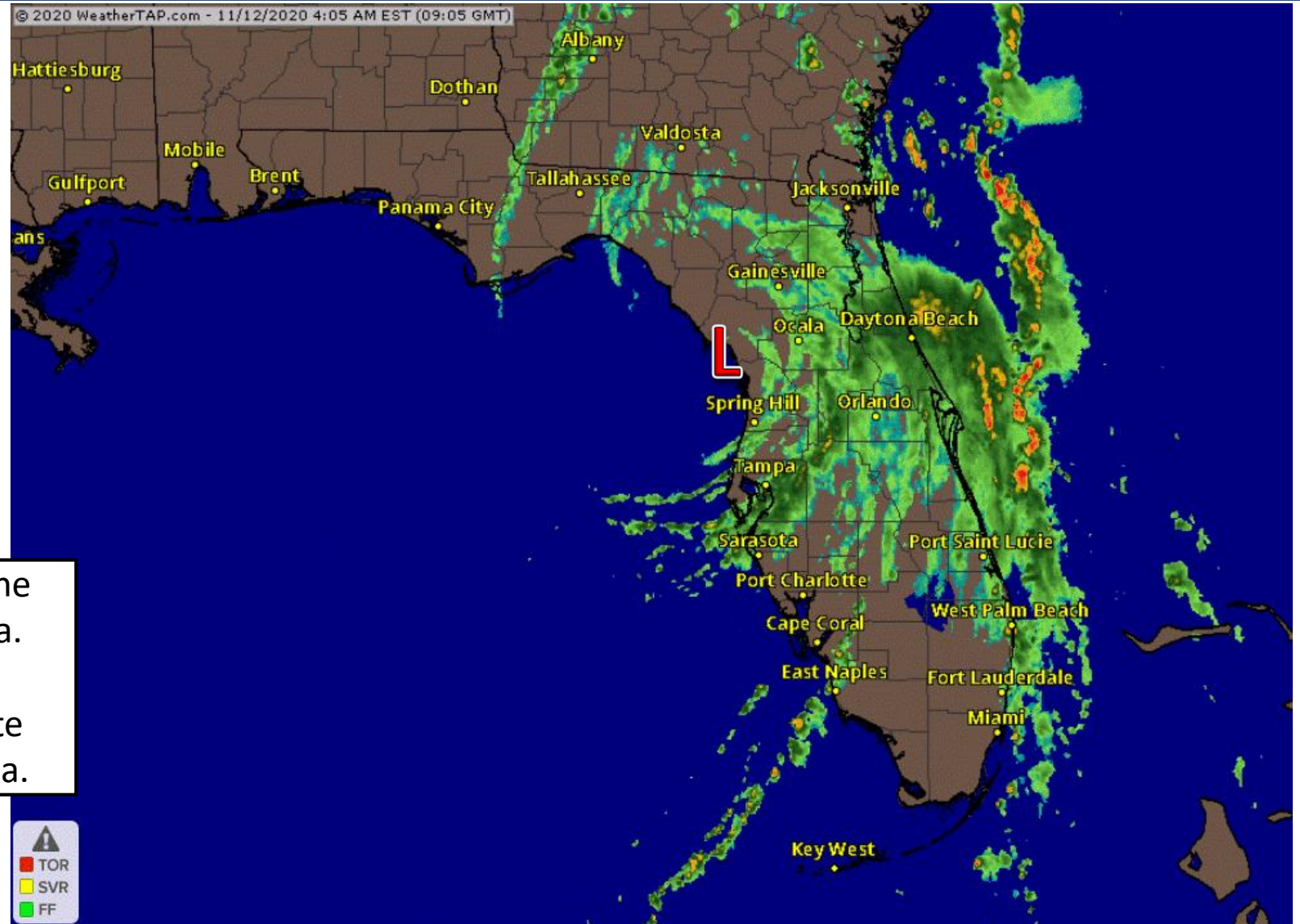
Overview/Recent Changes:

Eta has made landfall near Cedar Key and continues to quickly weaken. Tropical Storm and Storm Surge Warnings have been canceled in Southwest Florida. Gusty winds and heavy rainfall linger in West-Central and Northeast Florida until early afternoon.



Current Florida Radar

As of 4:00 AM ET



Rain bands from Eta continue across the Tampa Bay area and into South Florida.

A widespread area of light to moderate rainfall it moving into Northeast Florida.

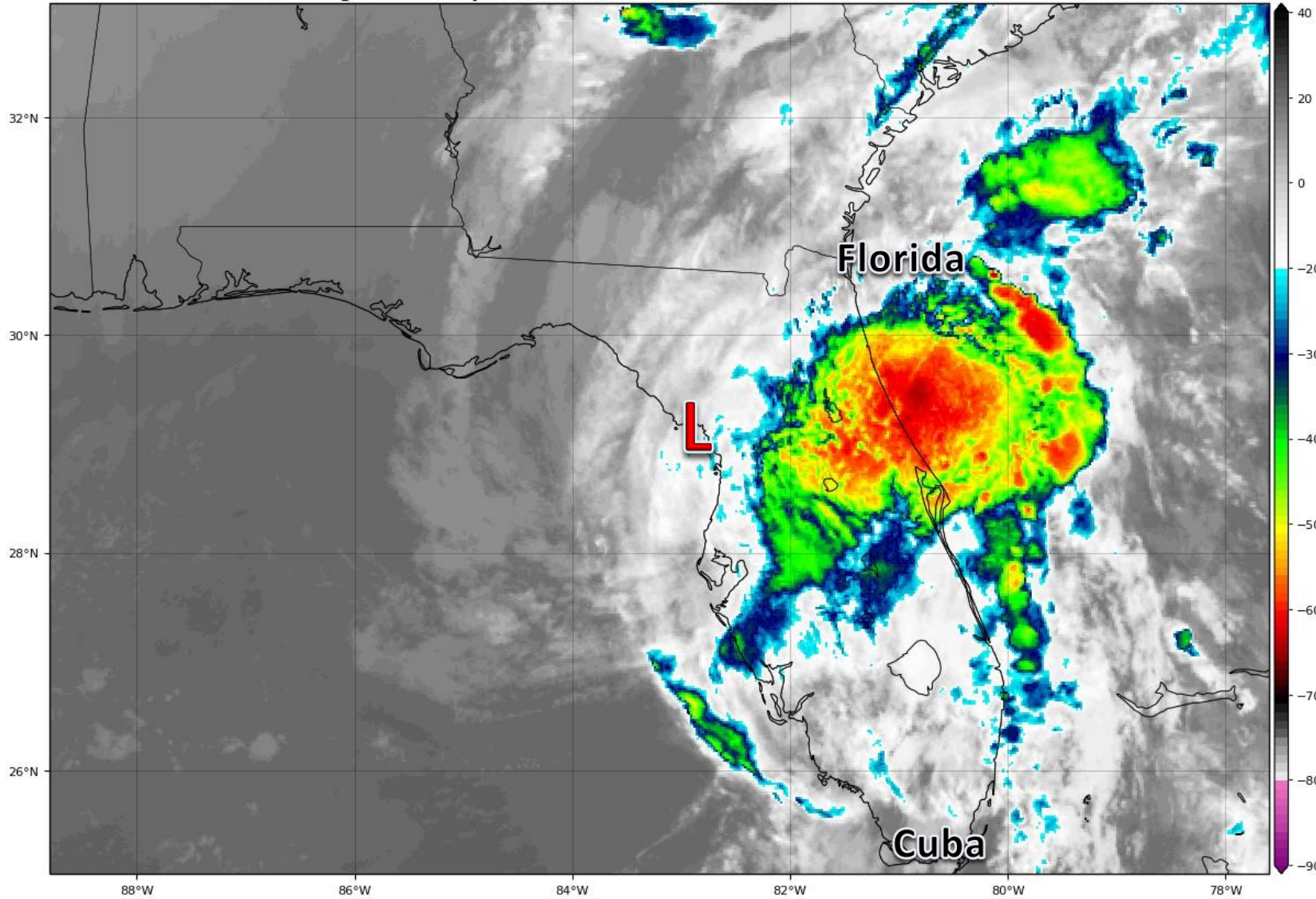


Satellite Imagery

Tropical Storm Eta – Florida

GOES-16 Channel 13 (IR) Brightness Temperature (°C) at 09:02Z Nov 12, 2020

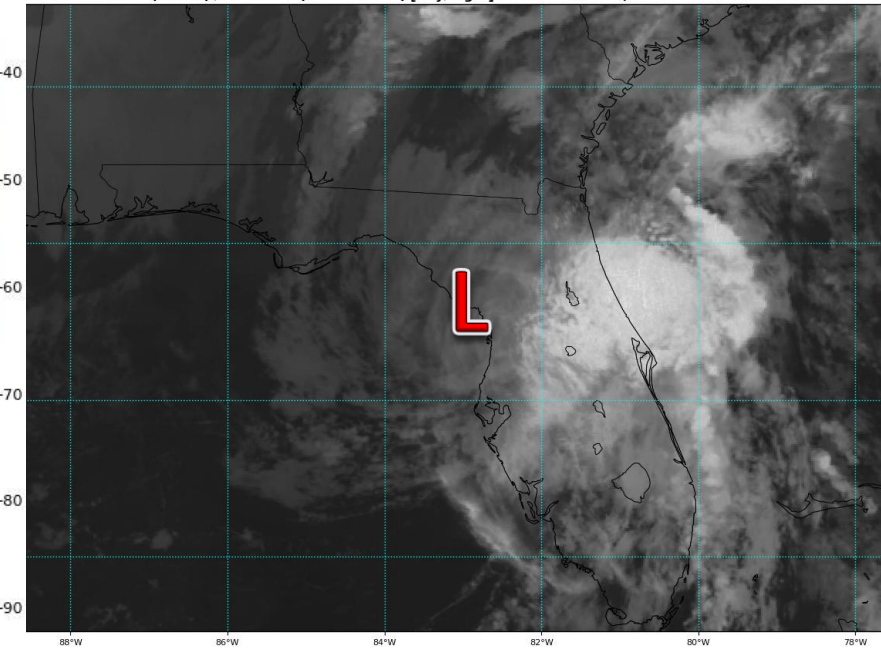
TROPICALTIDBITS.COM



Eta is very disorganized and rapidly weakening. It lacks any robust thunderstorms.

GOES-16 Channel 2 (visible) / Channel 7 (shortwave IR) [Day/Night] at 09:02Z Nov 12, 2020

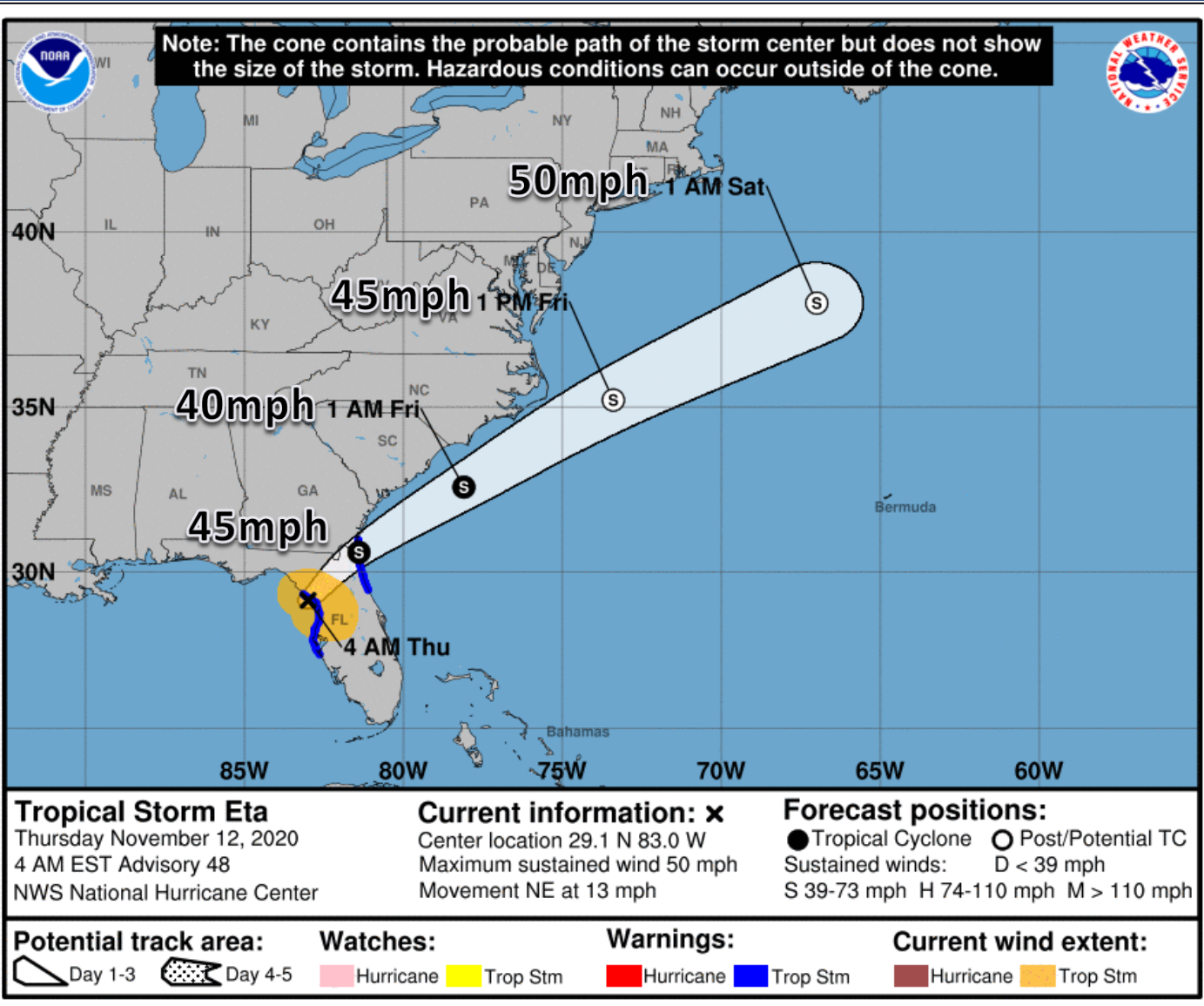
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Official Forecast Track

From the National Hurricane Center – Tropical Storm Eta



- The center of Tropical Storm Eta is located over Cedar Key, Florida and moving to the northeast at 13 mph.
- Maximum sustained winds are near 50 mph, and Eta is quickly weakening.
- Eta should exit Northeast Florida into the Atlantic early this afternoon.



Key Messages

From the National Hurricane Center



Key Messages for Tropical Storm Eta

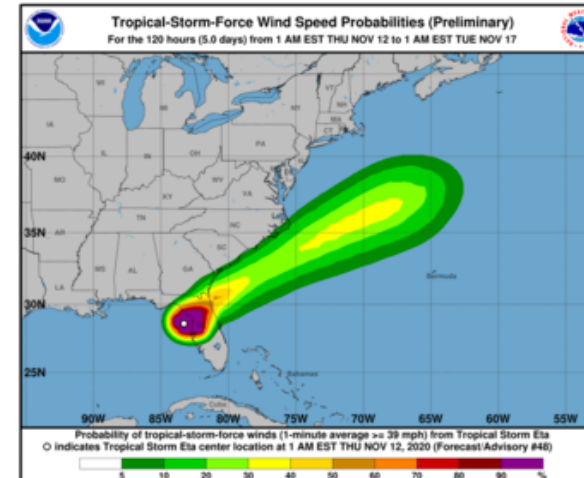
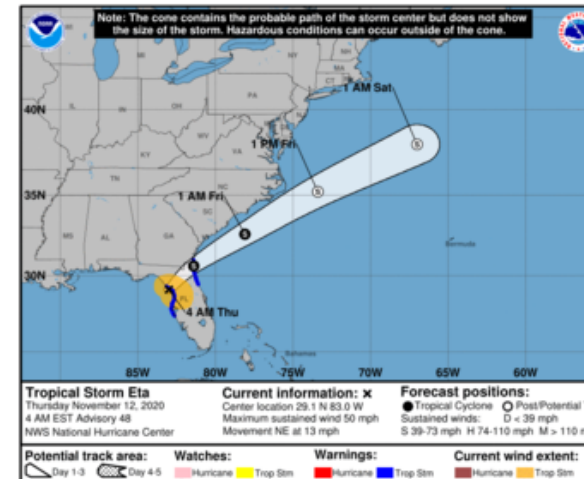
Advisory 48: 4:00 AM EST Thu Nov 12, 2020



1. There remains a danger of life-threatening storm surge along portions of the Florida Gulf Coast from the Middle of Longboat Key to the Suwannee River, including Tampa Bay. Residents in this area should follow any advice given by local officials.

2. Tropical-storm-force winds are expected in the warning area along portions of the Florida Gulf Coast during the next few hours, and in the warning area on the east coast later today.

3. Localized bands of heavy rainfall will continue to impact portions of the Florida Peninsula today, resulting in isolated flash and urban flooding, especially across previously inundated areas. Minor river flooding is expected across portions of west Florida lasting into the weekend.



For more information go to hurricanes.gov

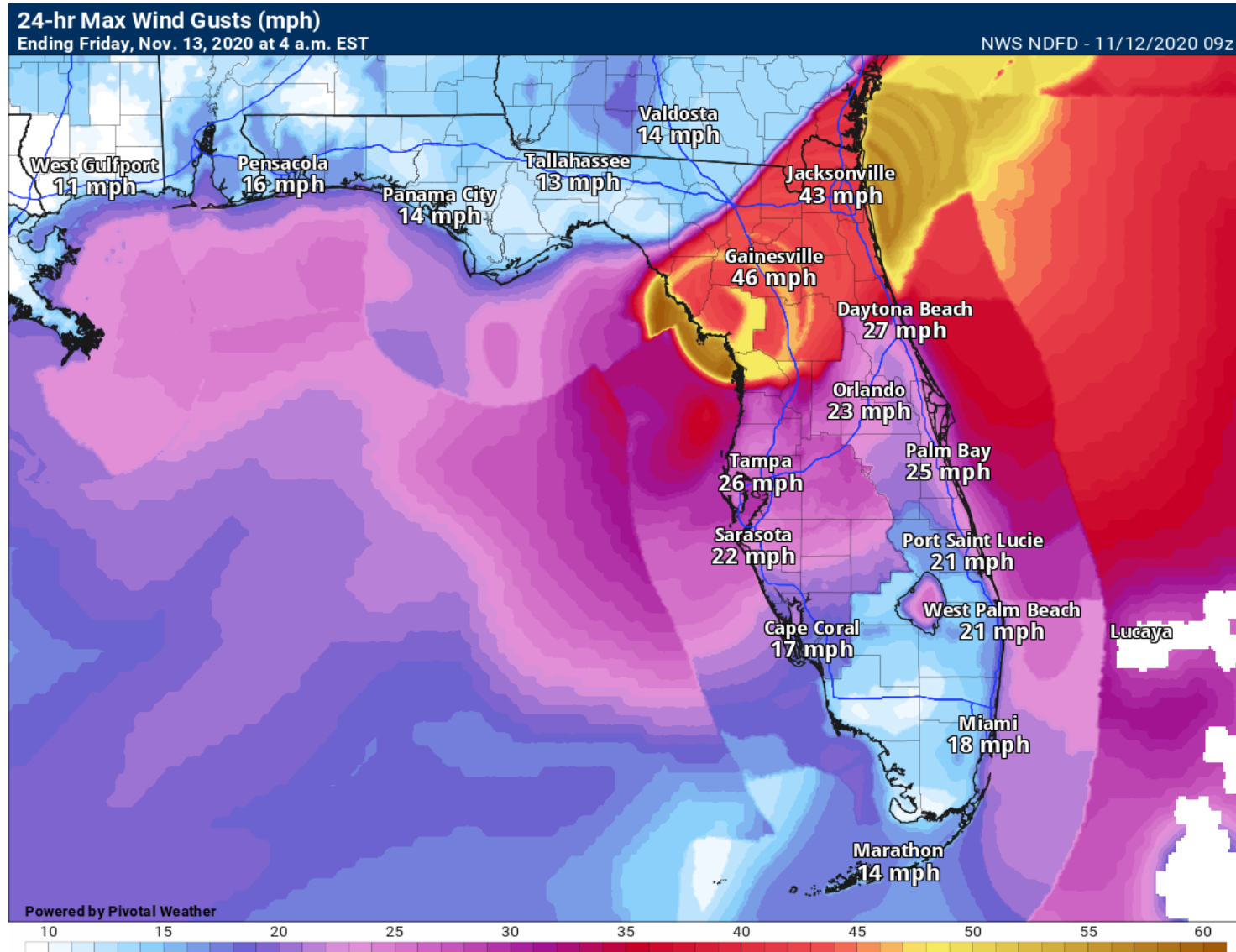


Maximum Wind Gusts

Next 24 Hours

Gusts of 40-50 mph are possible near Tampa Bay, along the Nature Coast, and across to Northeast Florida.

Wind gusts of 25-35 mph will remain possible across the rest of the Peninsula in any rain showers or thunderstorms.



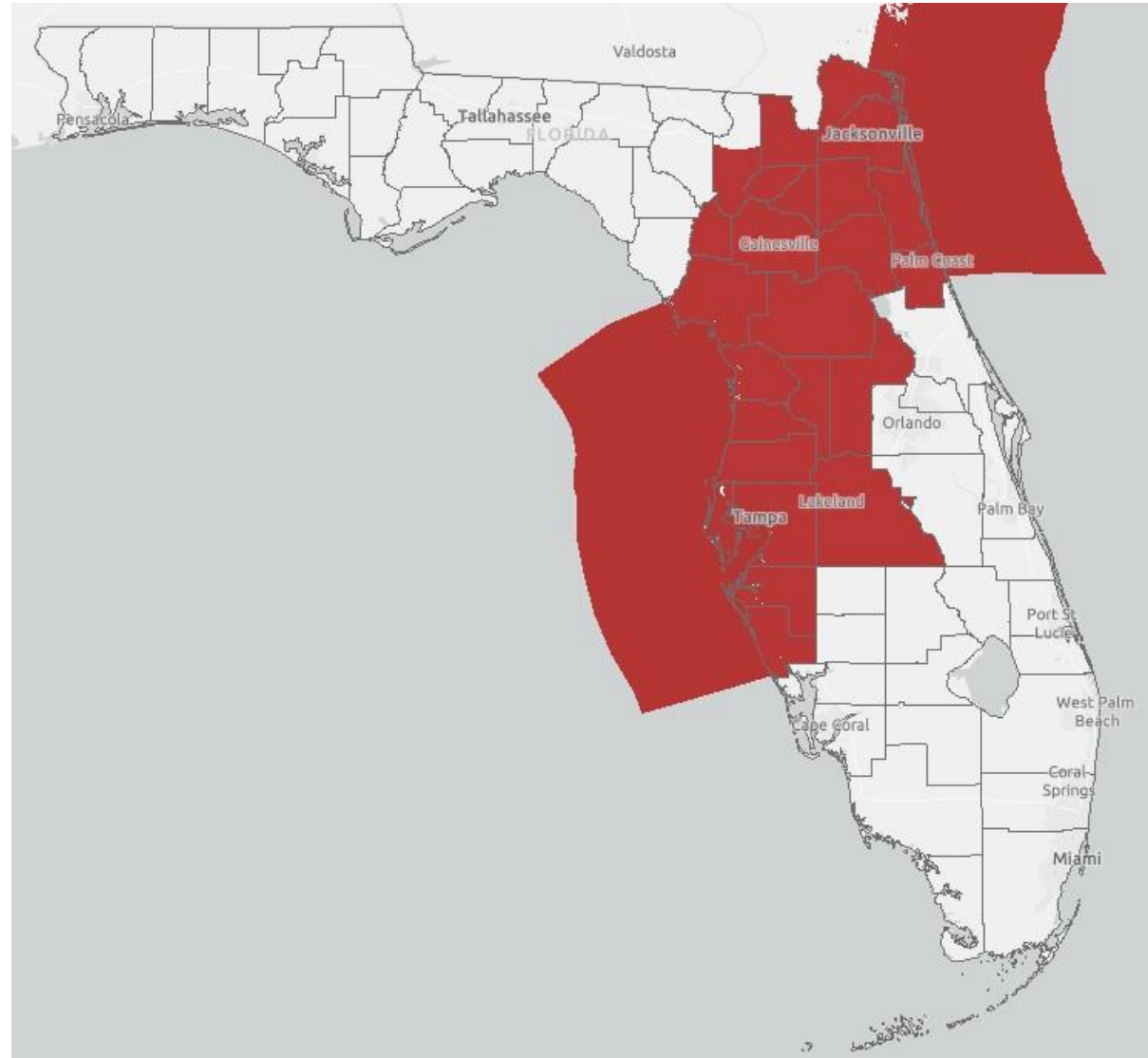


Wind Watches and Warnings

In Effect Until Further Notice

Tropical Storm Warnings:

Nassau, Duval, Flagler, St. Johns, Baker, Clay, St. Johns, Bradford, Union, southern Columbia, Gilchrist, Alachua, Levy, Marion, Citrus, Hernando, Pasco, Sumter, Lake, Pinellas, Hillsborough, Polk, and Manatee



Tropical Storm & Hurricanes

Watches Versus Warnings

WATCH

Tropical storm and/or hurricane conditions are **POSSIBLE** in Watch area

Issued up to 48 hours in advance of tropical storm force winds

WARNING

Tropical storm and/or hurricane conditions are **EXPECTED** in Warning area

Issued up to 36 hours in advance of onset of tropical storm force winds

Hurricane preparedness activities become difficult once winds reach tropical storm force. **Watches & Warnings are issued in advance of onset of tropical storm force winds, 39-73mph**



NWSMobile

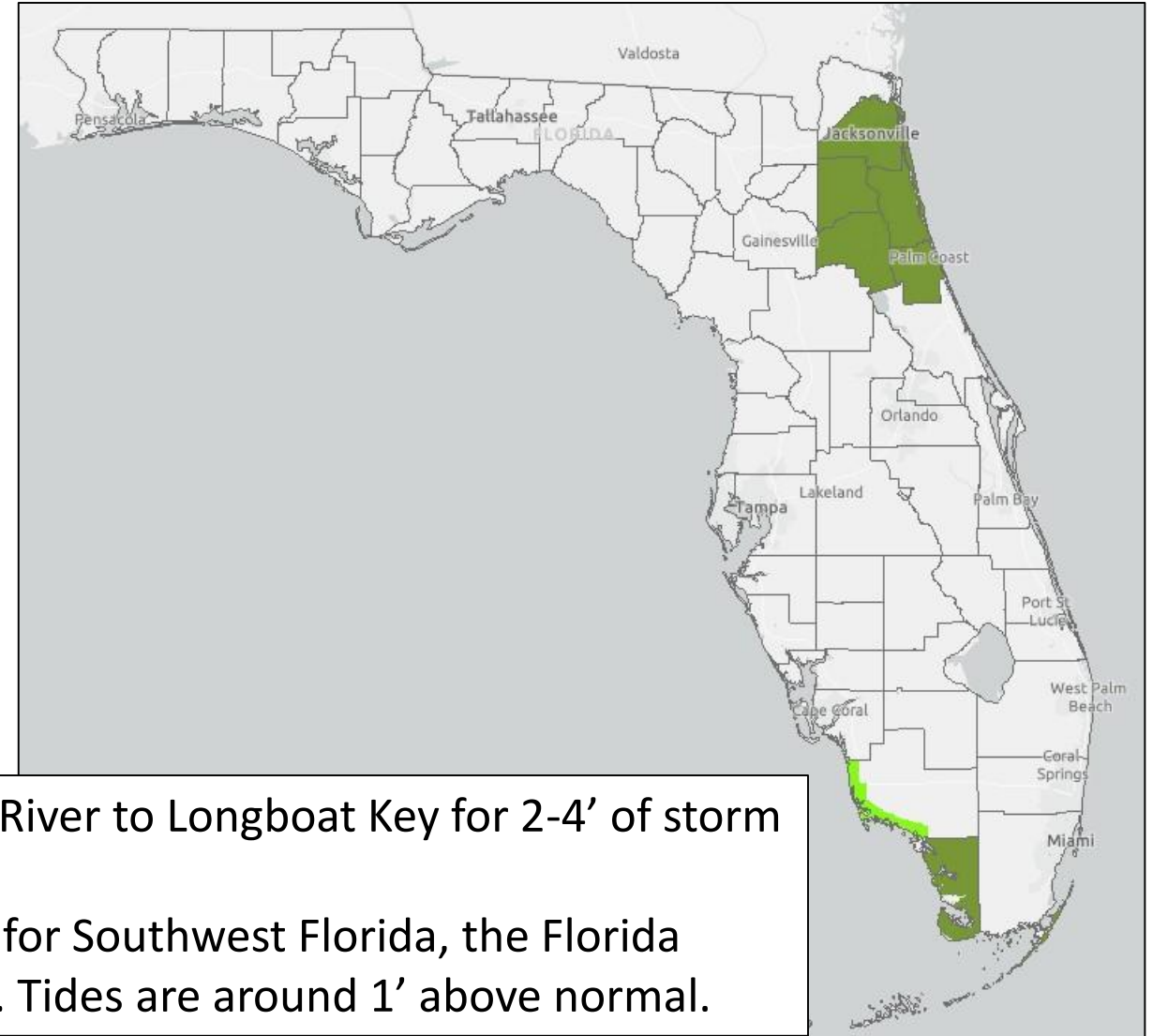
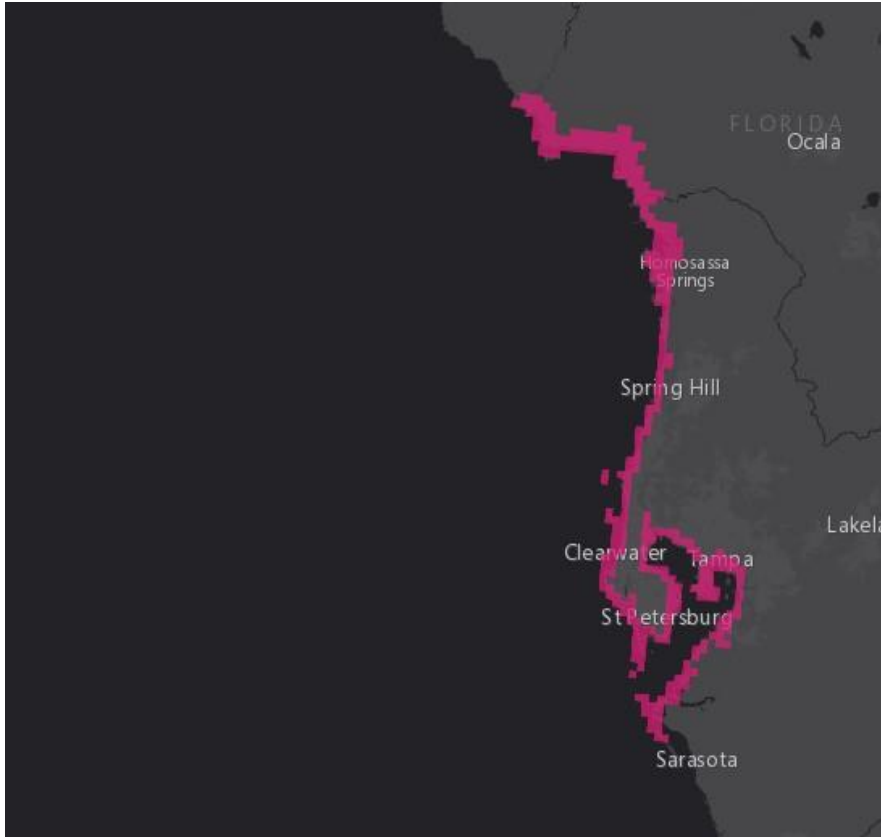


weather.gov/mob



Coastal Flood/Storm Surge Alerts

Tropical Storm Eta



Storm Surge Warnings are in effect from the Suwannee River to Longboat Key for 2-4' of storm surge.

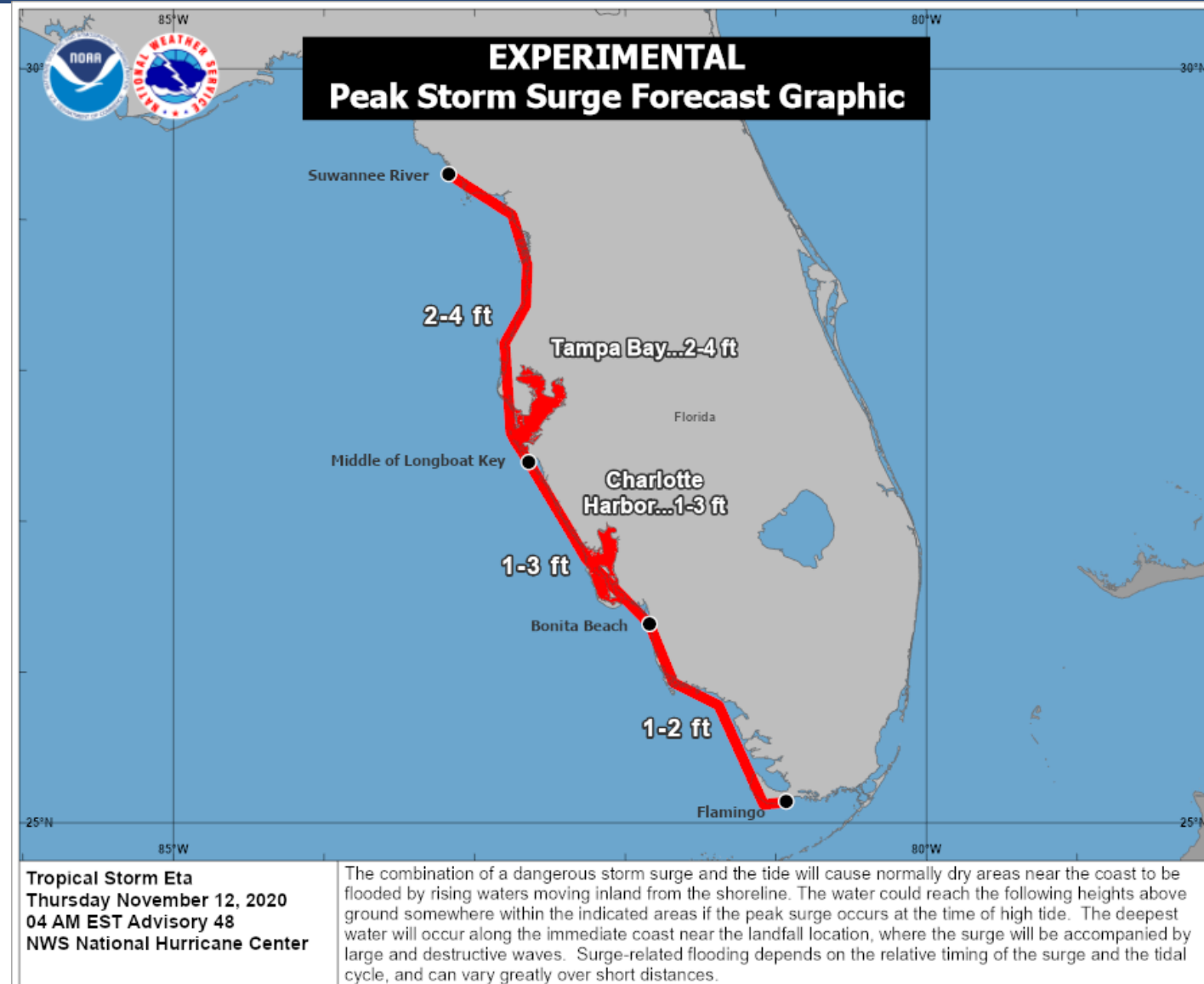
Coastal Flood Advisories & Statements remain in effect for Southwest Florida, the Florida Keys, and Northeast Florida including the St. Johns River. Tides are around 1' above normal.



Storm Surge/Coastal Flooding

Tropical Storm Eta

Water level peaked at high tide yesterday evening. However, water will be slow to recede, particularly from Tampa Bay. Through this morning, surge of 2-4' is possible at high tide late morning and mid-day.

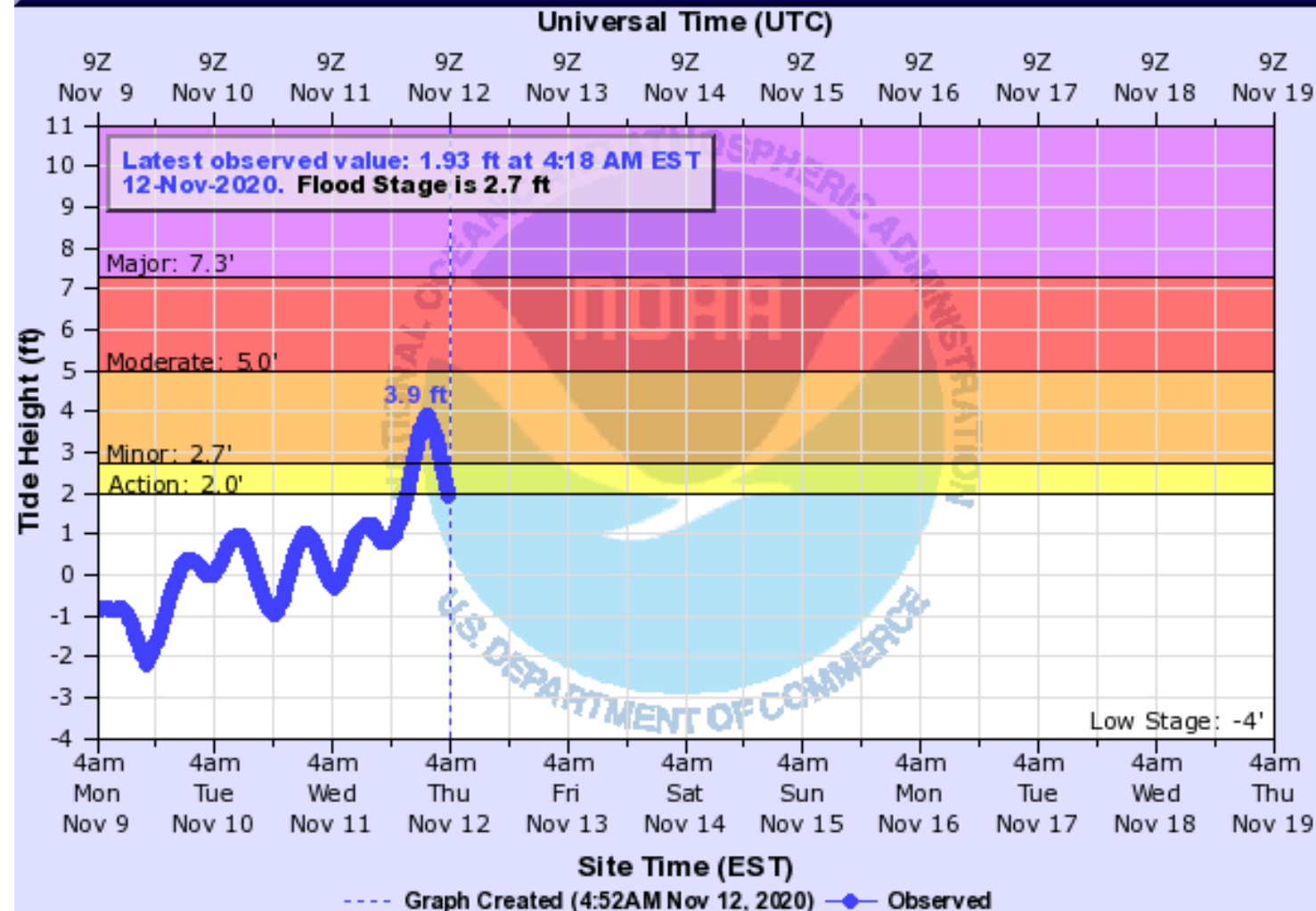




Tampa Bay at Old Port Tampa

[Hydrograph Link](#)

GULF OF MEXICO TIDE GAUGE AT OLD PORT TAMPA (IN MHHW)



5 Port Tampa Drive and half the homes in Port Tampa City are flooded.

2.7 A few homes south of Gandy Blvd and west of Westshore Drive begin to flood. Gandy Boat Ramp floods. Portions of MacDill Air Force Base RV Park and Picnic Island Blvd begin to flood.

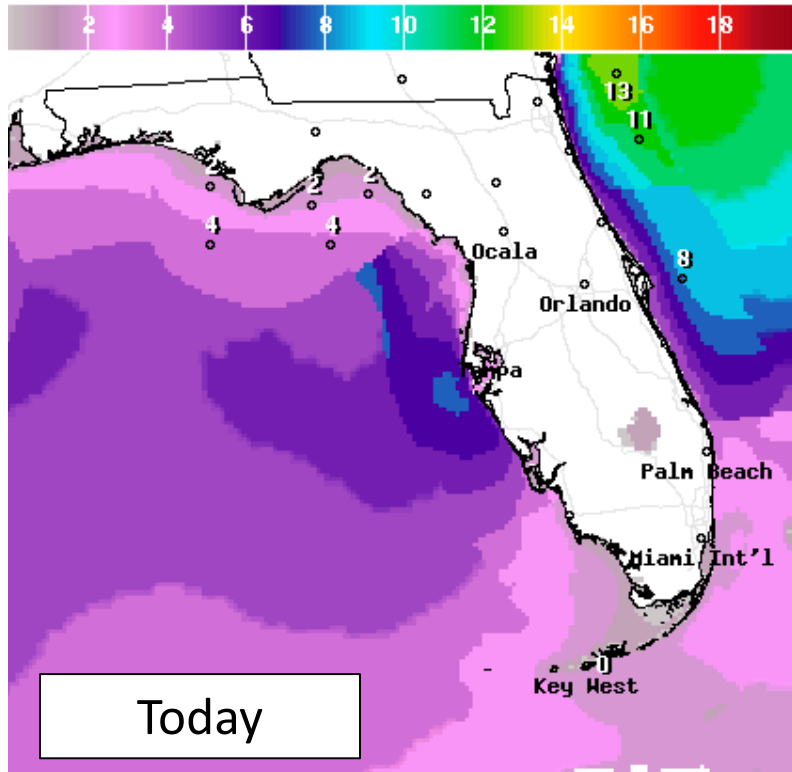
2 Low lying coastal areas begin to flood.

Storm surge peaked at around 4' in northern Tampa Bay at high tide just before midnight.



Forecast Wave Heights

Through Late Week

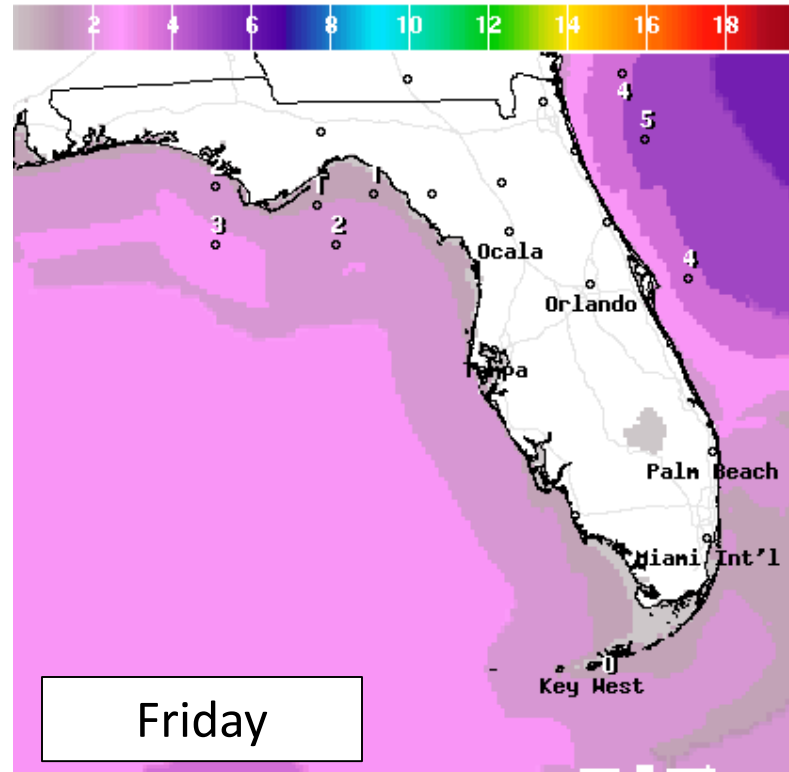


Wave Height(ft) Ending Thu Nov 12 2020 1PM EST
(Thu Nov 12 2020 18Z)



National Digital Forecast Database

09z issuance Graphic created-Nov 12 4:18AM EST

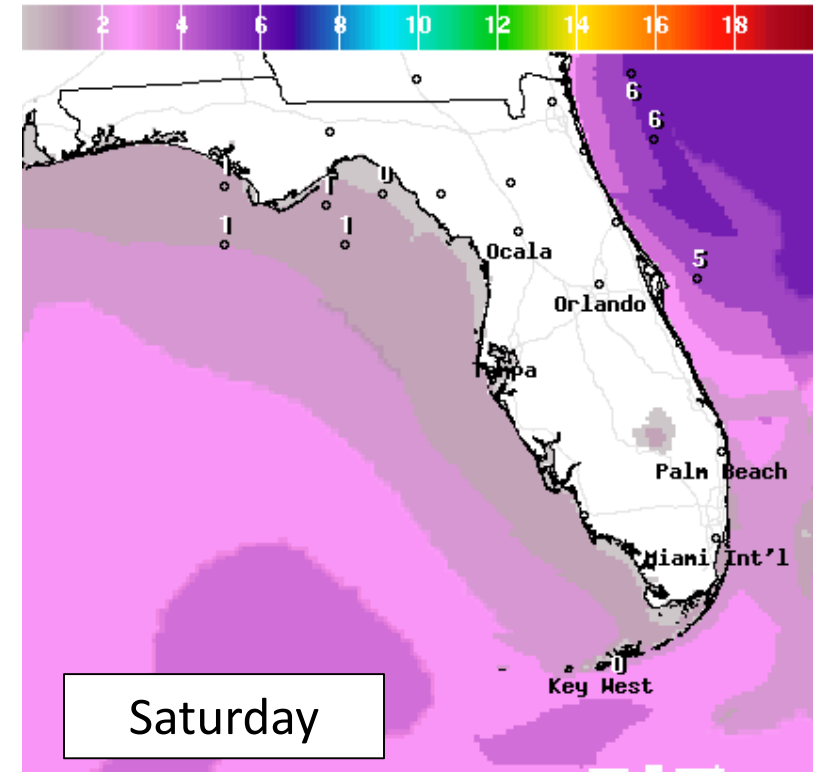


Wave Height(ft) Ending Fri Nov 13 2020 7PM EST
(Sat Nov 14 2020 00Z)



National Digital Forecast Database

09z issuance Graphic created-Nov 12 4:19AM EST



Wave Height(ft) Ending Sat Nov 14 2020 7PM EST
(Sun Nov 15 2020 00Z)



National Digital Forecast Database

09z issuance Graphic created-Nov 12 4:20AM EST



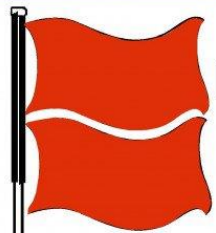
Surf will gradually decrease today in the Gulf, but will build in the Atlantic. By tomorrow afternoon, wave heights will be 2-4' statewide.



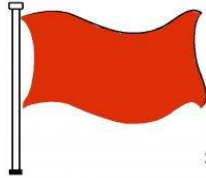
Rip Current Outlook

Today

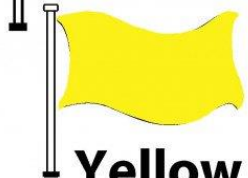
BEACH FLAG WARNING SYSTEM



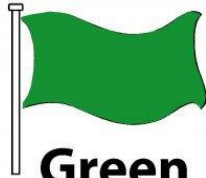
Double Red
Water Closed to
Public Use



Red
High Hazard
(rough conditions,
such as strong surf
and or currents)



Yellow
Medium Hazard
(light surf and or
currents)

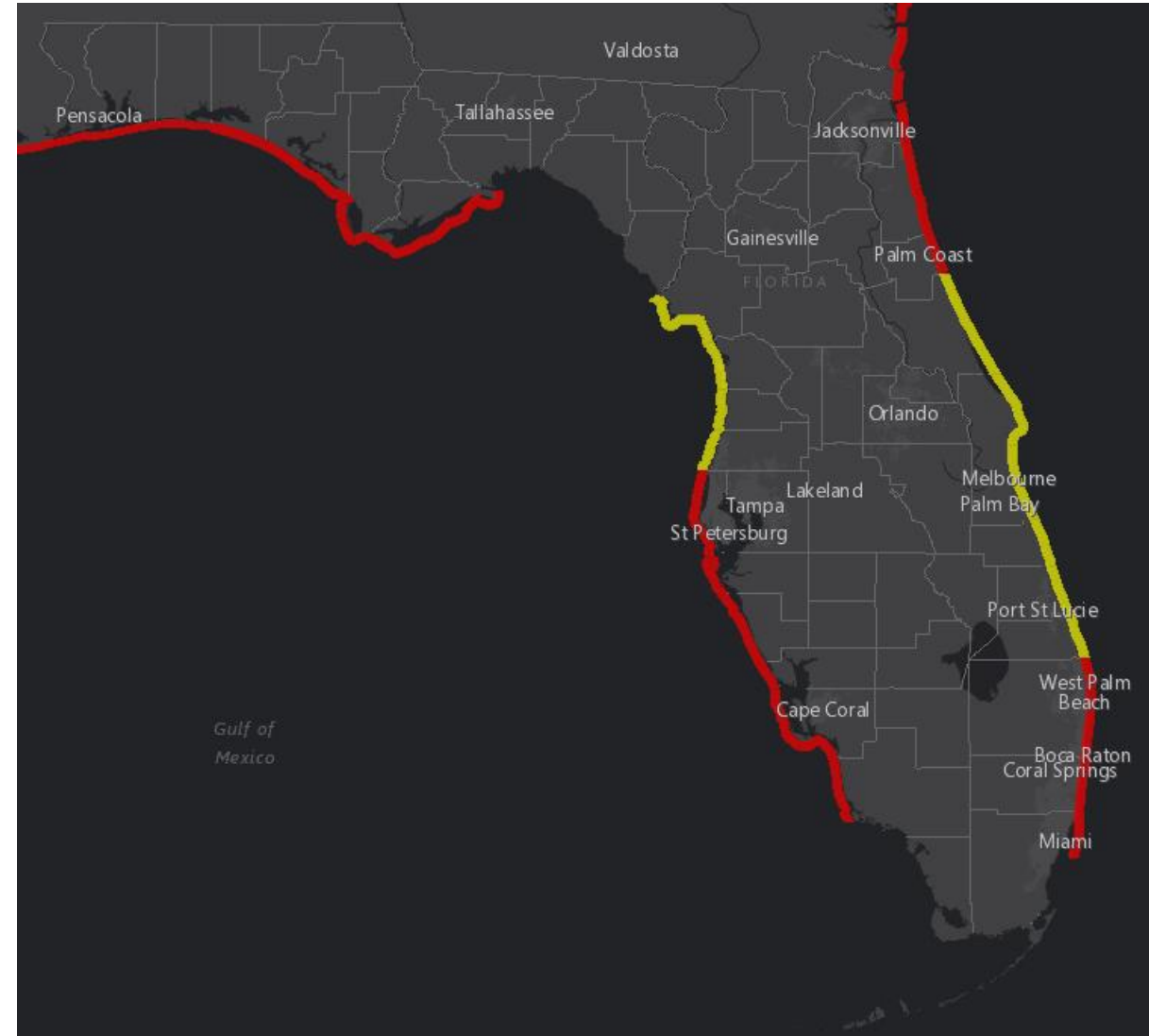


Green
Low Hazard
(calm conditions)



Purple
Marine Pest
(jellyfish, stingrays
& dangerous fish)

Dangerous rip currents continue due to breezy winds and rough surf statewide.

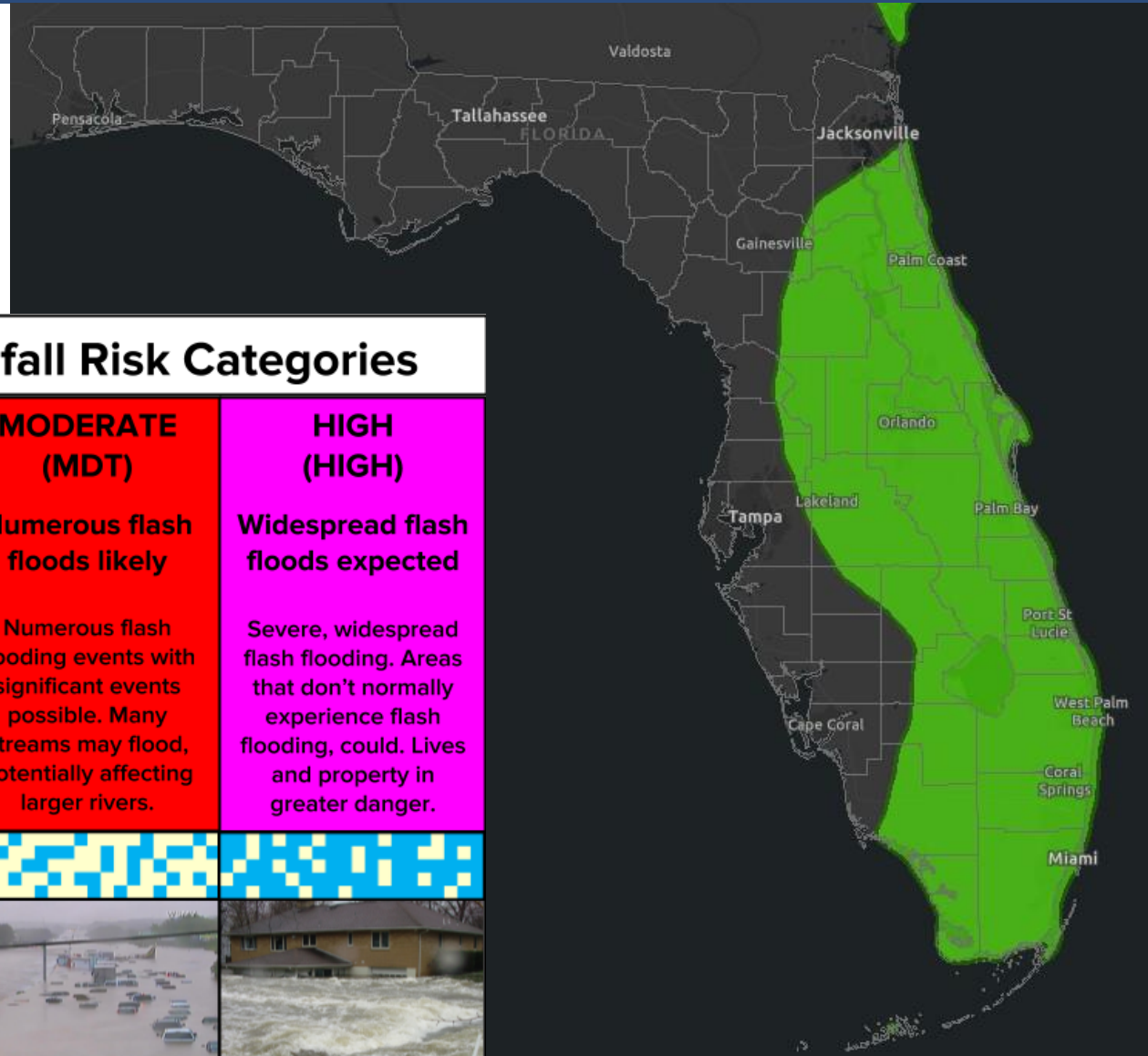










Flash Flood Outlook

Today

Isolated flash flooding remains possible over much of the Peninsula today as trailing rain bands continue to move across the state.



Understanding WPC Excessive Rainfall Risk Categories

No Area/Label	MARGINAL (MRGL)	SLIGHT (SLGT)	MODERATE (MDT)	HIGH (HIGH)	
Flash floods are generally not expected.	Isolated flash floods possible	Scattered flash floods possible	Numerous flash floods likely	Widespread flash floods expected	
Localized and primarily affecting places that can experience rapid runoff with heavy rainfall.	Mainly localized. Most vulnerable are urban areas, roads, small streams and washes. Isolated significant flash floods possible.	Numerous flash flooding events with significant events possible. Many streams may flood, potentially affecting larger rivers.	Severe, widespread flash flooding. Areas that don't normally experience flash flooding, could. Lives and property in greater danger.		
www.wpc.ncep.noaa.gov @NWSWPC					
Flash flooding near me?	Flash Flooding				
NO Flash Flooding					
 WEATHER PREDICTION CENTER					



Flood Watches

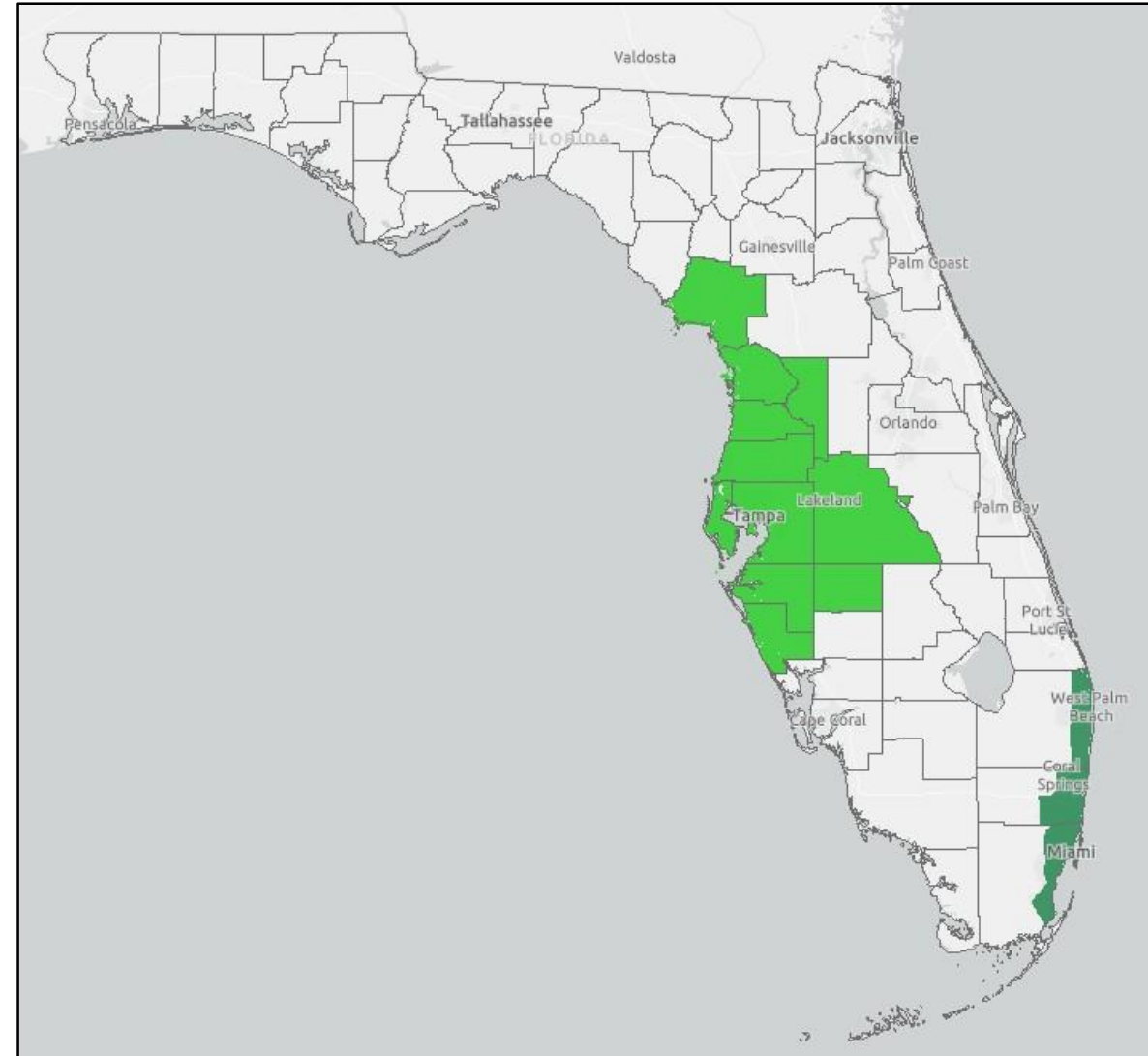
Links: [NWS Miami](#) | [NWS Tampa Bay](#)

Flash Flood Watch until this afternoon:

Levy, Citrus, Hernando, Pasco, Sumter,
Pinellas, Hillsborough, Polk, Manatee,
Sarasota

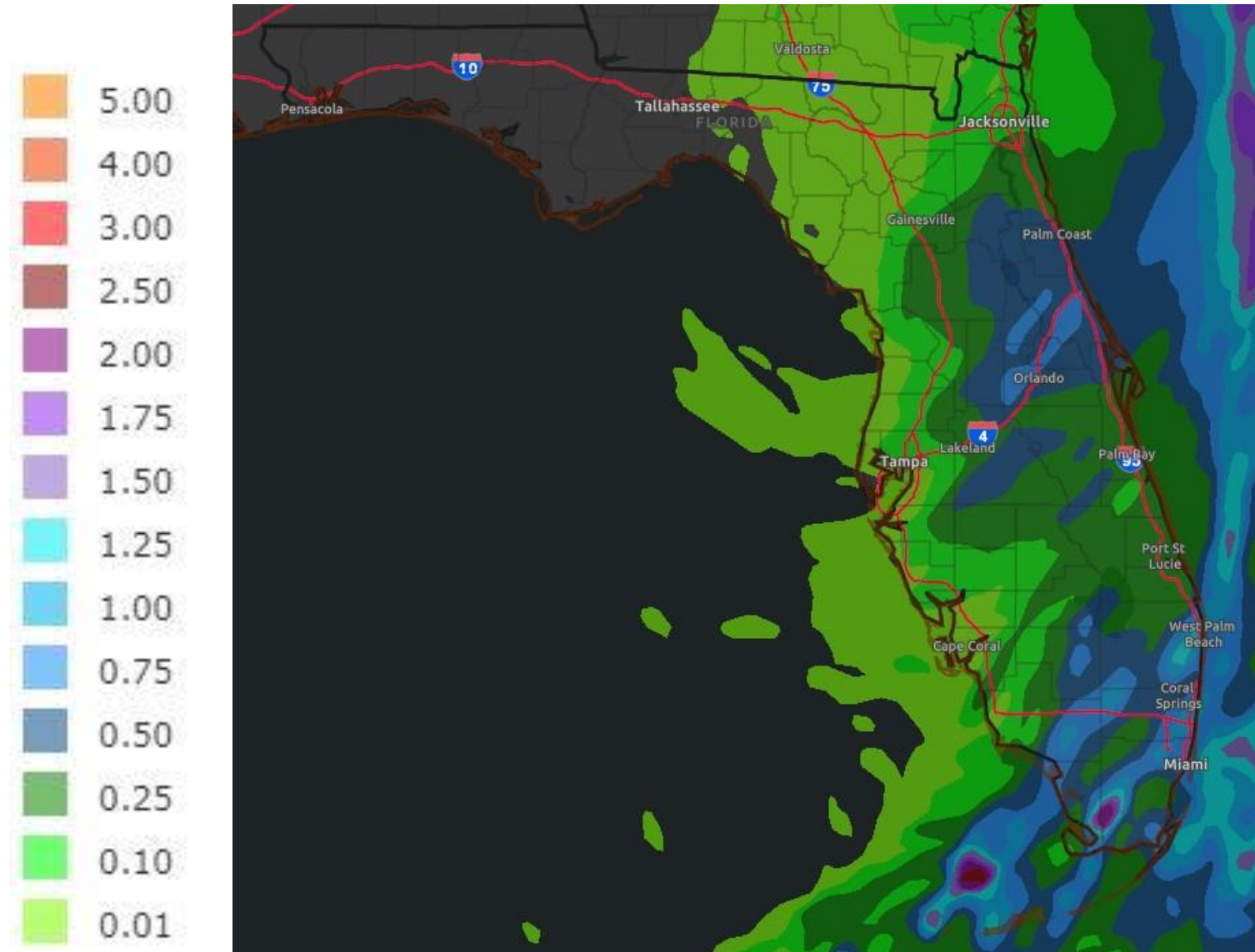
Flood Watch until this evening:

coastal Palm Beach, coastal Broward,
coastal Miami-Dade





Rainfall Totals Next 24 Hours



Generally, 1-2" today.
Locally higher amounts of 3-4".

In urban Southeast Florida and West-Central Florida, even 1-2" could trigger additional urban/flash flooding.



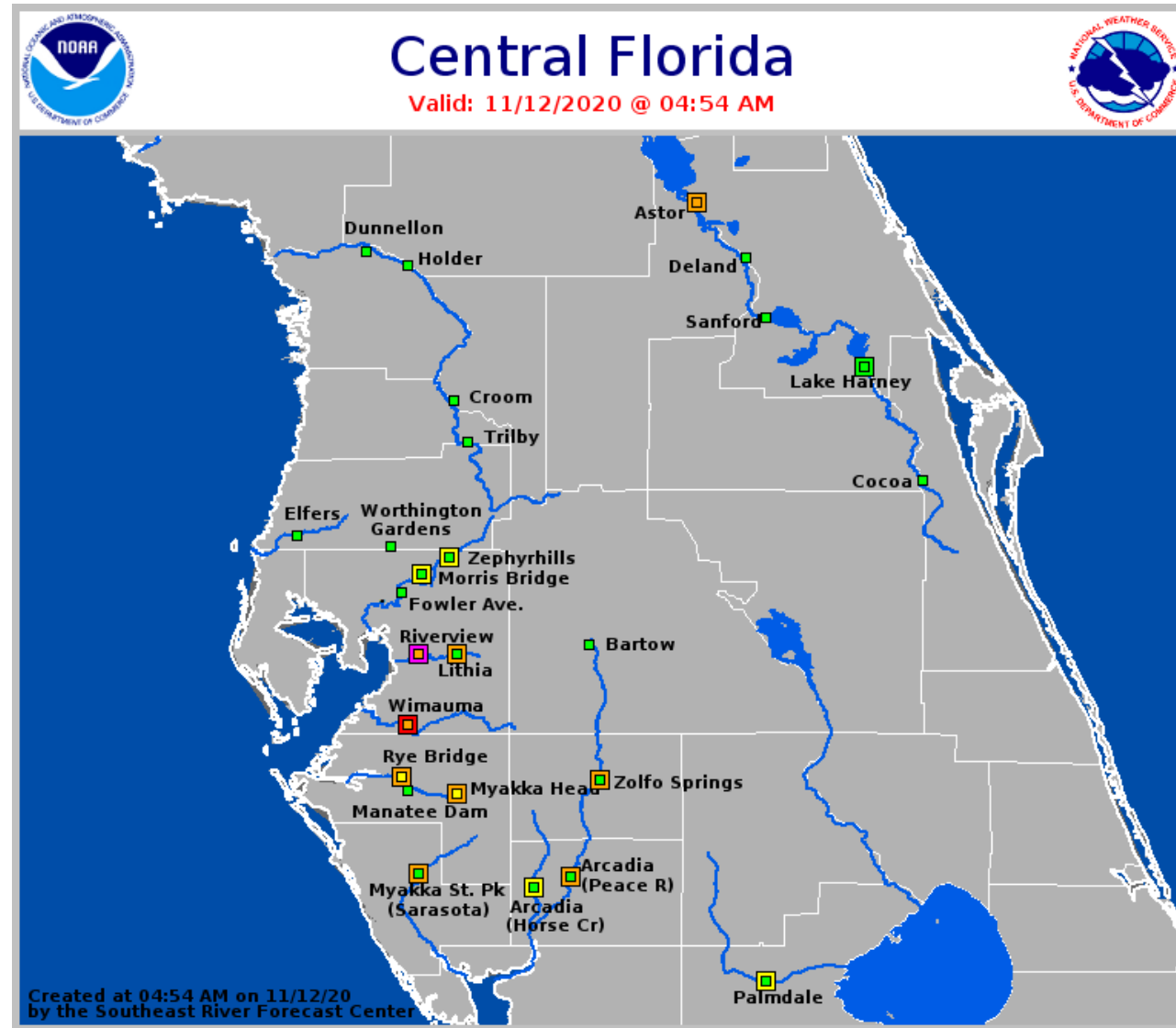
Current & Forecast River Flooding

Central Florida – Southeast River Forecast Center

Rivers Currently in or Forecast to Reach Flood Stage:

River	Forecast Stage	Tendency
St. Johns River at Astor	Minor	Steady
Alafia River at Riverview	Major	Falling
Alafia River at Lithia	Minor	Rising
Little Manatee River at Wimauma	Moderate	Rising
Manatee River near Myakka Head	Minor	Rising
Manatee River near Rye Bridge	Minor	Rising
Myakka River at Myakka River State Park	Minor	Rising
Peace River at Zolfo Springs	Minor	Rising
Peace River at Arcadia	Minor	Rising

More details on river levels available at the [Southeast River Forecast Center website.](#)



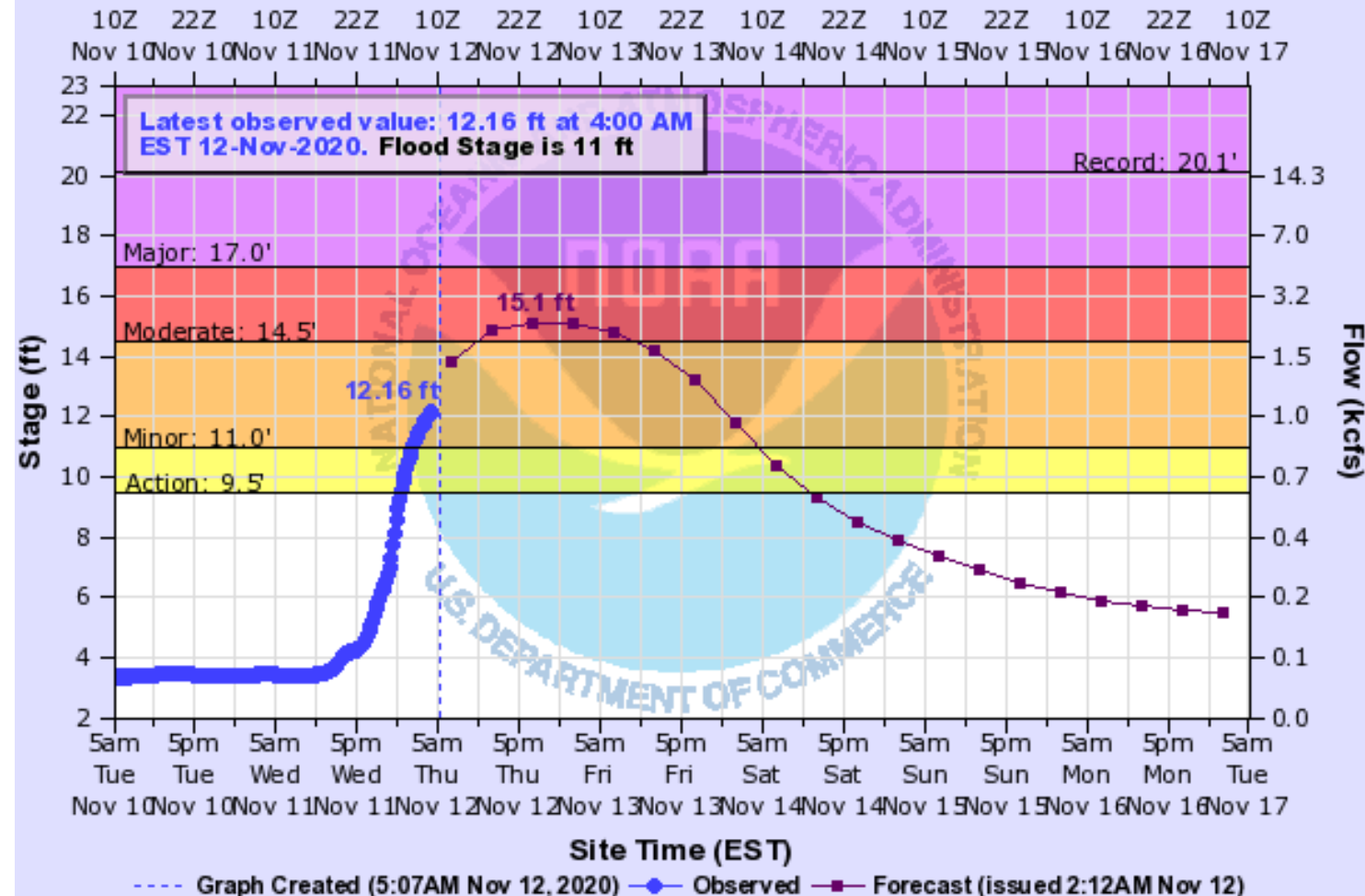


Little Manatee River near Wimauma

[Hydrograph Link](#)

LITTLE MANATEE RIVER (FL) NEAR WIMAUMA AT US 301

Universal Time (UTC)



14.5 feet: Flooding of several houses begins near 32nd and 33rd Streets in Ruskin.

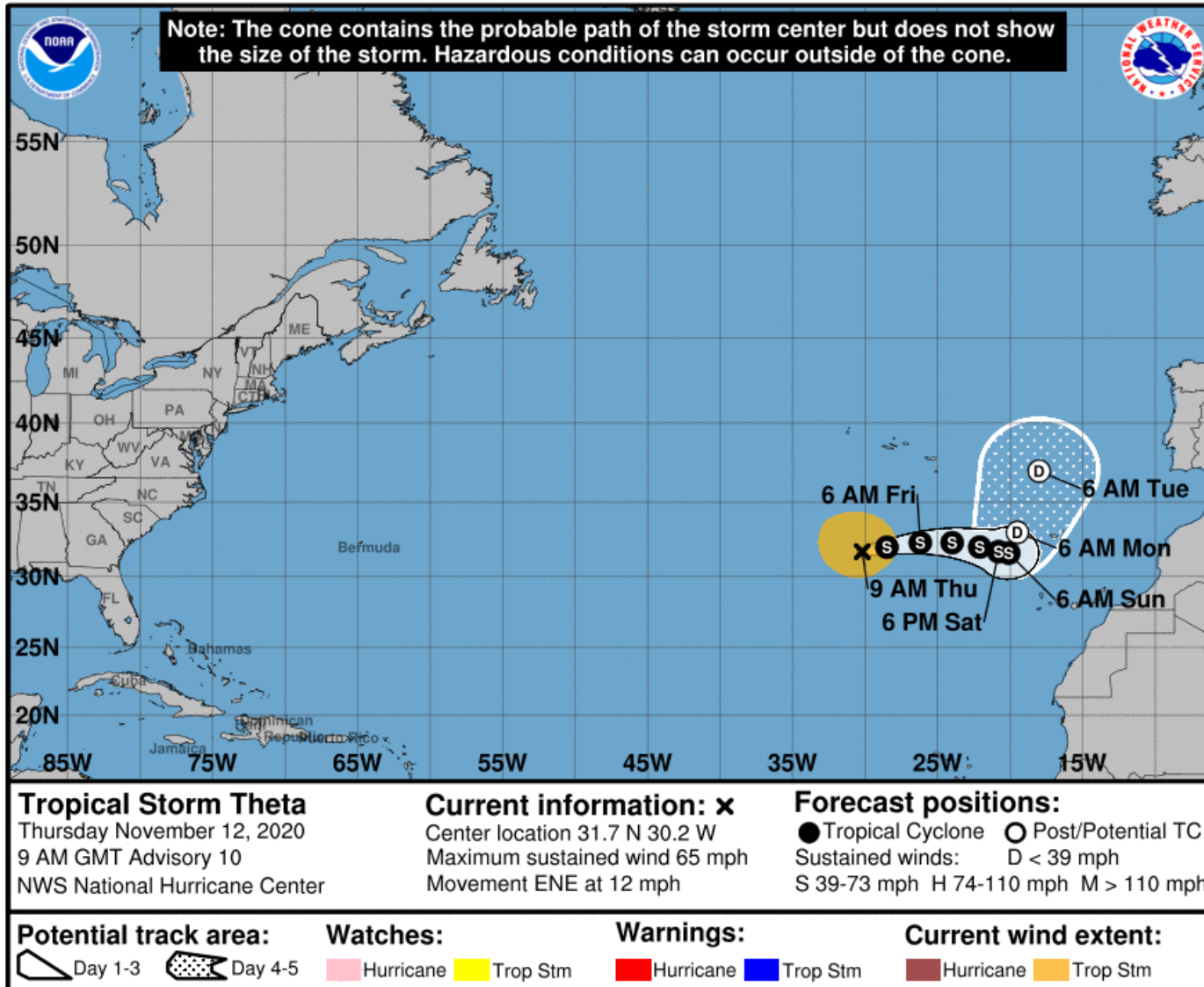
13 feet: The canoe rental area floods.

11 feet: The river overflows its banks.



Official Forecast Track

From the National Hurricane Center – Tropical Storm Theta



Theta is maintaining intensity in the far northeastern Atlantic. This system poses no threat to land as it continues eastward.



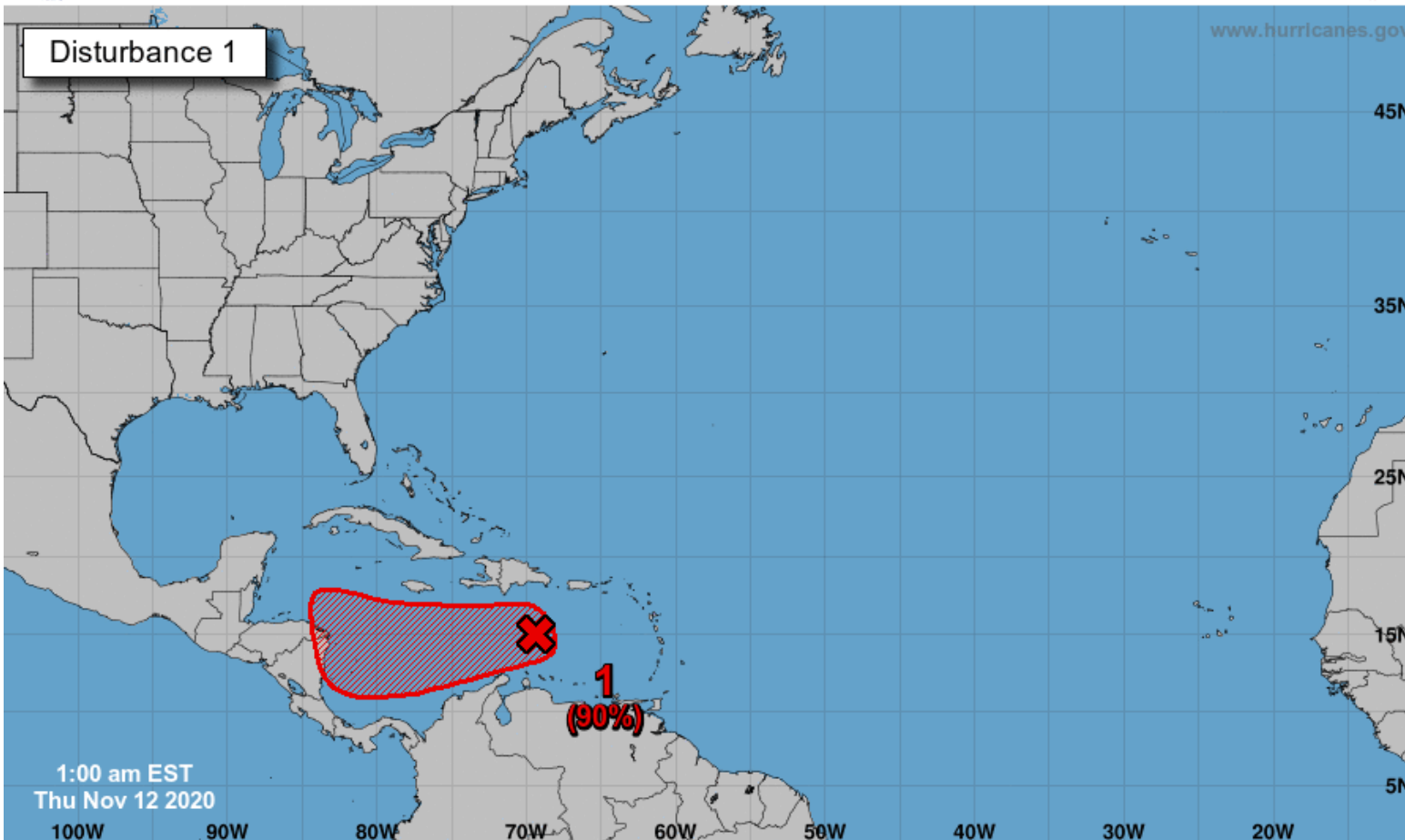
Tropical Weather Outlook

Possible Areas of Development During the Next 5 Days ([LINK](#))



Five-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



1:00 am EST
Thu Nov 12 2020

Current Disturbances and Five-Day Cyclone Formation Chance: < 40% 40-60% > 60%
Tropical or Sub-Tropical Cyclone: Depression Storm Hurricane
 Post-Tropical Cyclone or Remnants

A tropical wave located over the central Caribbean Sea continues to produce a large area of showers and thunderstorms.

Satellite imagery indicates that the disturbance is gradually becoming better organized, and a tropical depression will likely form during the next 2 to 3 days as it moves slowly westward over the central and western Caribbean Sea.

This system is not expected to bring impacts to Florida over the next 7 days, if at all.

***Formation chance through 48 hrs...high...70%.**

***Formation chance through 5 days...high...90%.**



Overall Summary

Tropical Storm Eta

- Eta brought heavy rainfall, storm surge, and gusty winds to the Tampa Bay area overnight, but impacts are gradually ending.
- The center of Tropical Storm Eta is located over Cedar Key, Florida (made landfall at 4:20am) and is moving to the northeast at 13 mph.
- Maximum sustained winds are near 50 mph, and Eta is quickly weakening.
- Eta should exit Northeast Florida into the Atlantic early this afternoon as a minimal tropical storm.

Tropical Storm Theta

- Theta poses no threat to land as it moves over the open Atlantic.

Invest 98L - Caribbean Wave

- A tropical wave located over the central Caribbean Sea continues to produce a large area of showers and thunderstorms.
- Satellite imagery indicates that the disturbance is gradually becoming better organized, and a tropical depression will likely form during the next 2 to 3 days as it moves slowly westward over the central and western Caribbean Sea.
- This system has a 70% (high) chance of formation during the next 48 hours and a 90% (high) chance during the next 5 days.
- This system is not expected to bring impacts to Florida over the next 7 days, if at all.
- The next name on the list is Iota (eye-o-tah)



Florida Outlook

Florida Outlook:

- **Storm Surge Warnings:** Levy, Citrus, Hernando, Pasco, Pinellas, Hillsborough, Manatee
- **Coastal Flood Advisories/Statements:** Duval, Clay, Putnam, St. Johns, Flagler, Collier, Monroe (Keys and Mainland)
- **Tropical Storm Warnings:** Nassau, Duval, Flagler, St. Johns, Baker, Clay, St. Johns, Bradford, Union, southern Columbia, Gilchrist, Alachua, Levy, Marion, Citrus, Hernando, Pasco, Sumter, Lake, Pinellas, Hillsborough, Polk, and Manatee
- **Flood/Flash Flood Watches:** Levy, Citrus, Hernando, Pasco, Sumter, Pinellas, Hillsborough, Polk, Manatee, Sarasota, coastal Palm Beach, coastal Broward, and coastal Miami-Dade
- **River Flood Warnings:** St. Johns at Astor, Alafia River, Little Manatee River, Manatee River, Myakka River, and the Peace River at Zolfo Springs and Arcadia.

-
- Gusts to tropical-storm-force are ongoing across Northeast and West-Central Florida (35-45mph).
 - Storm surge of 2-4' is still ongoing along parts of the West Coast.
 - The tornado threat is minimal today and there is no severe weather outlook.
 - Locally heavy rainfall will continue in some trailing rain bands near Tampa Bay and Southeast Florida.
 - Additional rainfall totals of 1-2" are forecast, with localized values of 3-4" that could result in additional flash flooding.
 - Several rivers in West-Central Florida will rise into minor or moderate flood stage over the next couple to several days.
 - **Impacts from Tropical Storm Eta are expected to end this afternoon.**

The next tropics packet will be issued later this morning or afternoon when tropical storm warnings are canceled. For the latest information on the tropics, please visit the National Hurricane Center website at www.hurricanes.gov.



TROPICAL UPDATE



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State Meteorological Support Unit

Florida Division of Emergency Management

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