



TROPICAL UPDATE



5:00 PM EDT

Tuesday, July 6, 2021

Tropical Storm Elsa

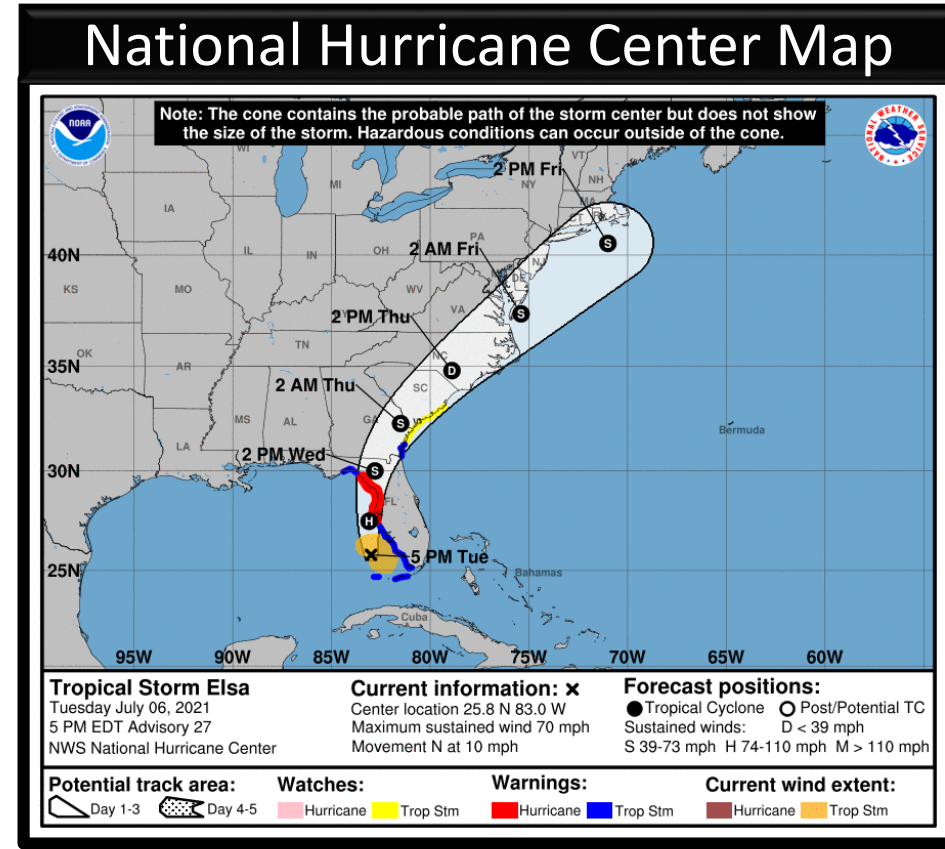
This update is intended for government and emergency response officials, and is provided for informational and situational awareness purposes only. Forecast conditions are subject to change based on a variety of environmental factors. For additional information, or for any life safety concerns with an 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.



Tropical Storm Elsa

5 PM ET Tuesday: Florida Threats & Changes Since Last Packet

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



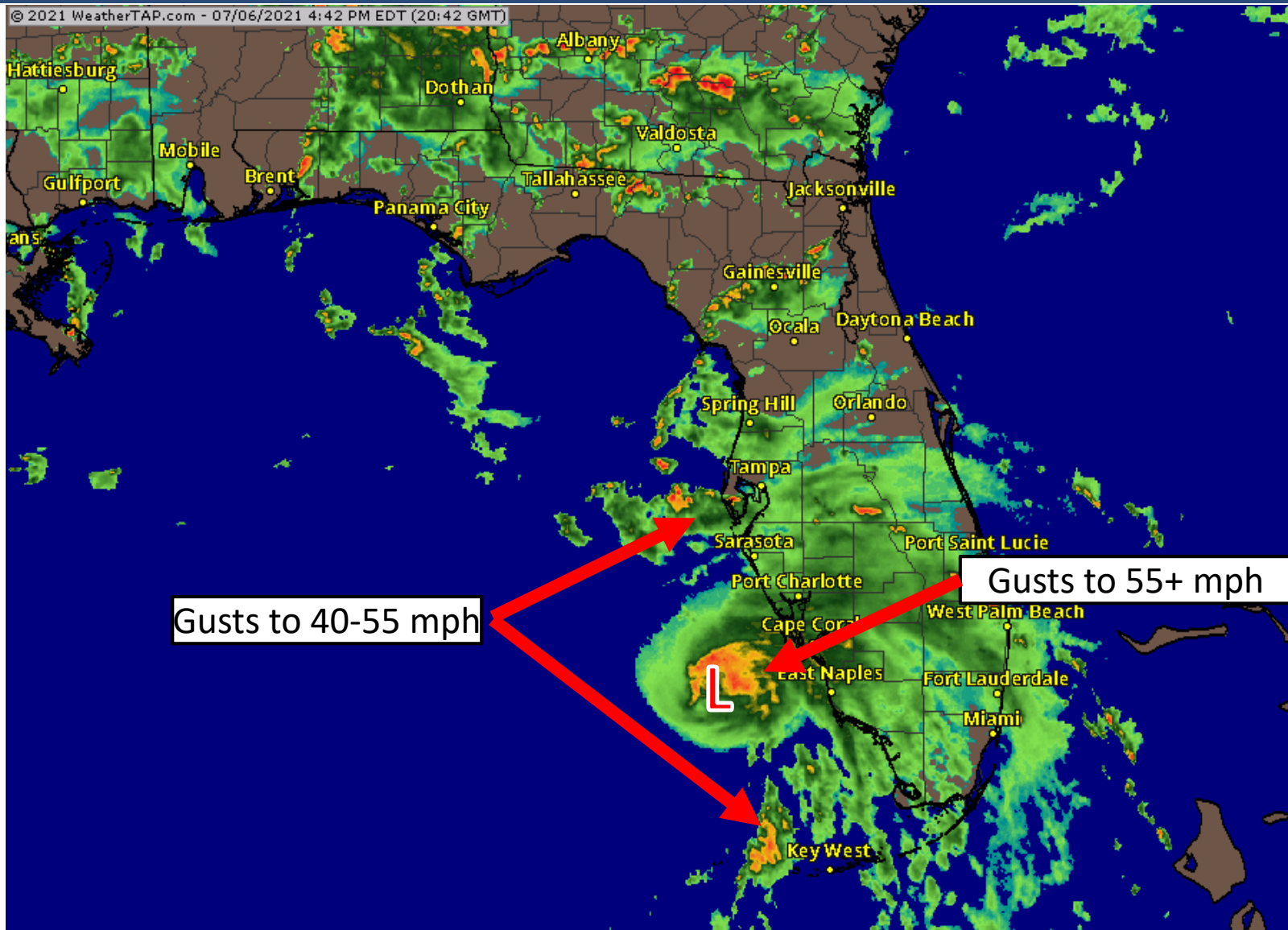
Overview/Recent Changes: ***HURRICANE WARNINGS IN EFFECT FROM STEINHATCHEE TO EGMONT KEY***

Elsa is now forecast to be a hurricane at landfall somewhere in the eastern Big Bend or Nature Coast. Several rivers in North and West Central Florida are now expected to reach moderate flood stage over the next few days. The Tropical Storm Warning has been canceled for the Middle Florida Keys. Otherwise, little to no changes to the track forecast.



Current Florida Radar

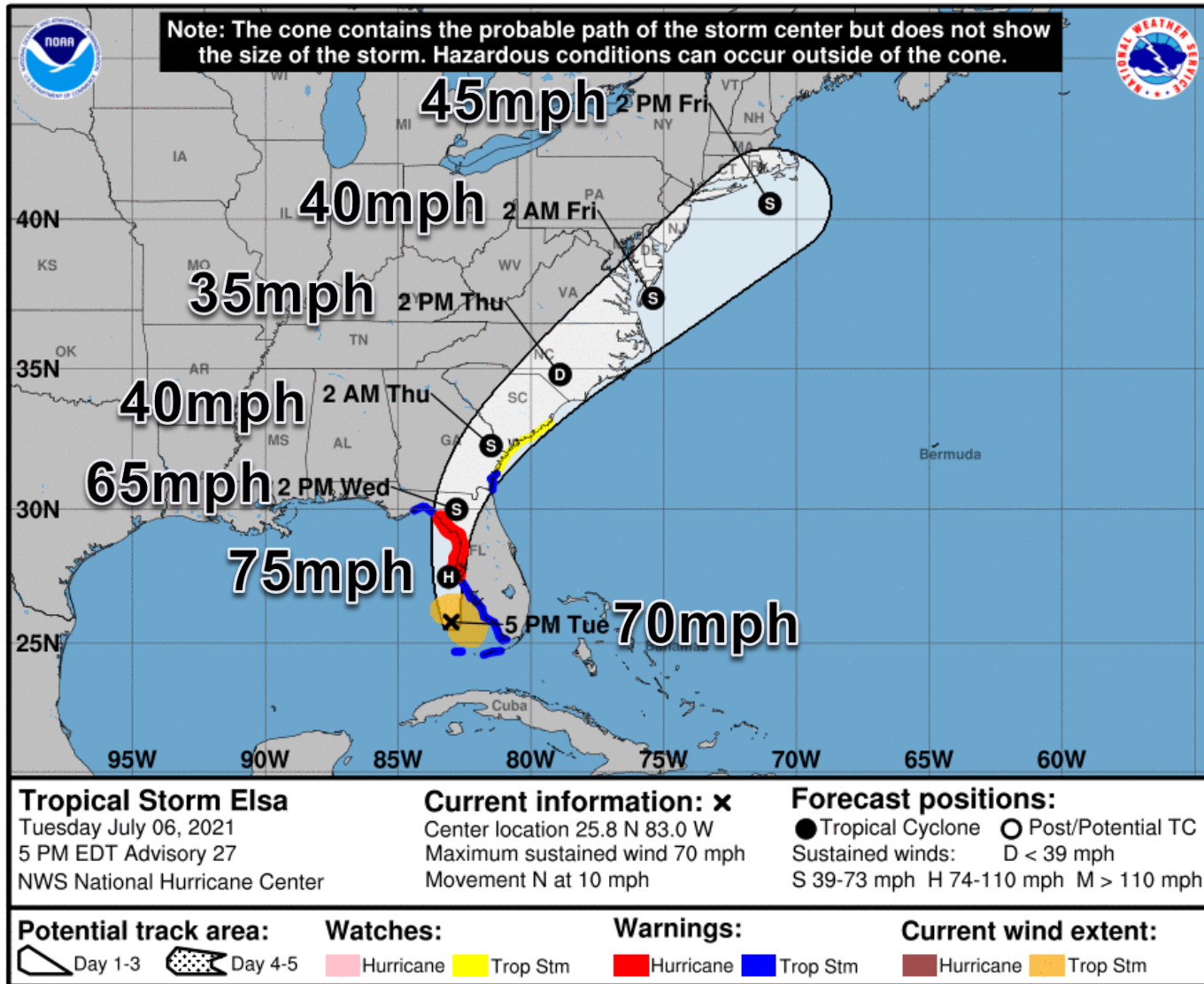
As of 4:45 PM ET





Official Forecast Track – Elsa

From the National Hurricane Center – ([LINK](#))



- The center of Elsa is about 155 miles south-southwest of Tampa, and moving to the north at 10 mph.
- Elsa remains a tropical storm with maximum sustained winds near 70 mph.
- Elsa will continue moving northward tonight, followed by a turn toward the north-northeast on Wednesday.
- Elsa is expected to become a hurricane before making landfall in the eastern Big Bend or Nature Coast near/north of Tampa Bay
- Regardless of a strong tropical storm or low-end Category 1 hurricane, the impacts remain the same.
- The storm will remain lopsided with most of the rainfall to the east of the center impacting the entire West Coast as Elsa moves northward and across Northeast Florida into Wednesday morning.



Damaging Wind Threat Overview

Tropical Storm Elsa

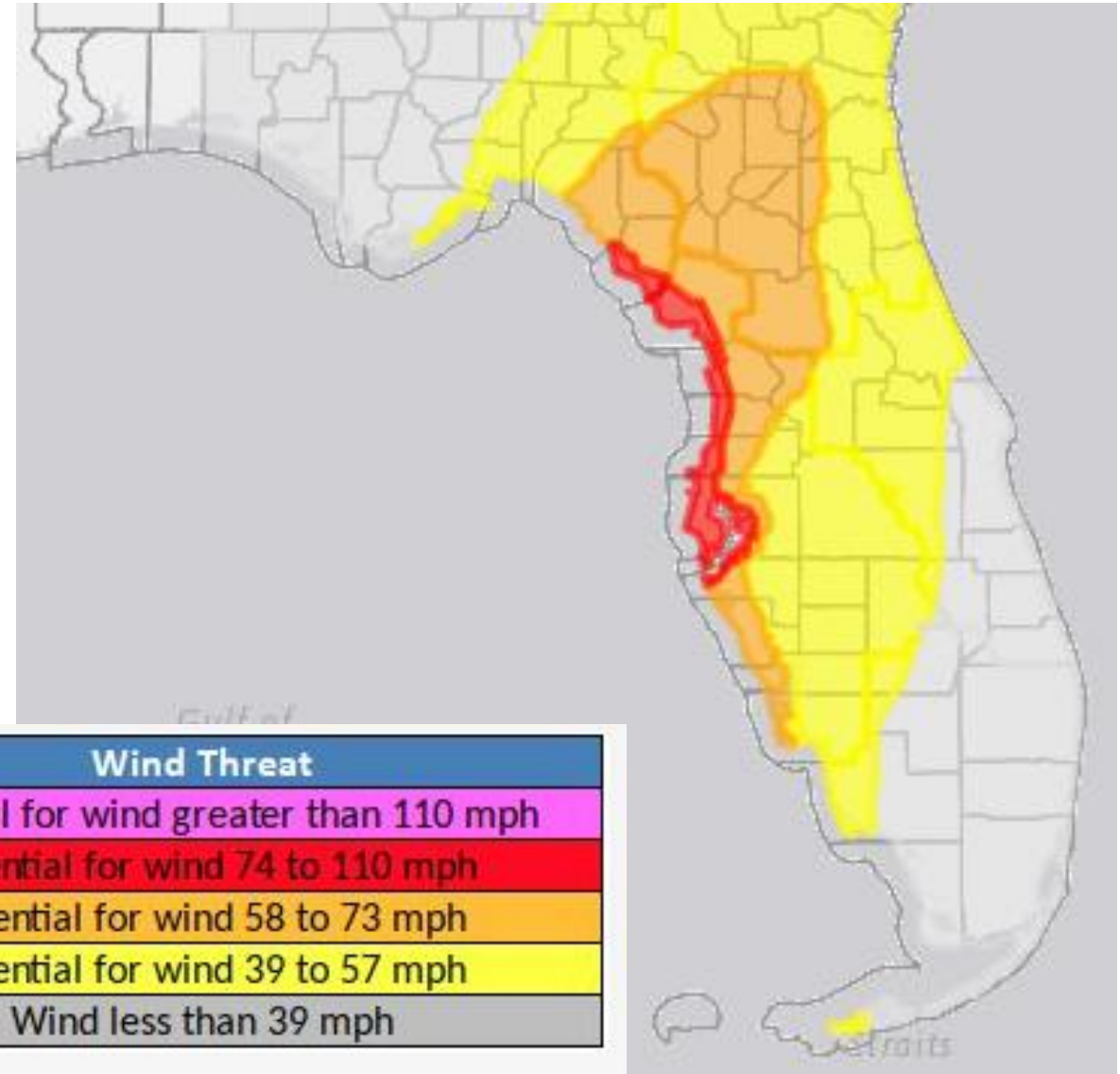
The greatest wind threat is along the immediate coast from Tampa Bay northward through the Nature Coast. Sustained winds of 60-75 mph with gusts of 75-80 mph are possible.

Inland Northeast Florida southward along the West Coast could see winds of 45-55 mph with gusts up of 55-65 mph.

Most elsewhere in the Peninsula, Northeast Florida, and the eastern Big Bend could see wind gusts of 40-55 mph, primarily in the outer bands.

<https://www.weather.gov/srh/tropical?office=mfl>

Click on “Threats and Impacts” Tab





Wind Watches and Warnings

In Effect Until Further Notice

Hurricane Warnings:

- Coastal Dixie, coastal Levy, coastal Citrus, coastal Hernando, coastal Pasco, coastal Hillsborough, and Pinellas

Tropical Storm Warnings:

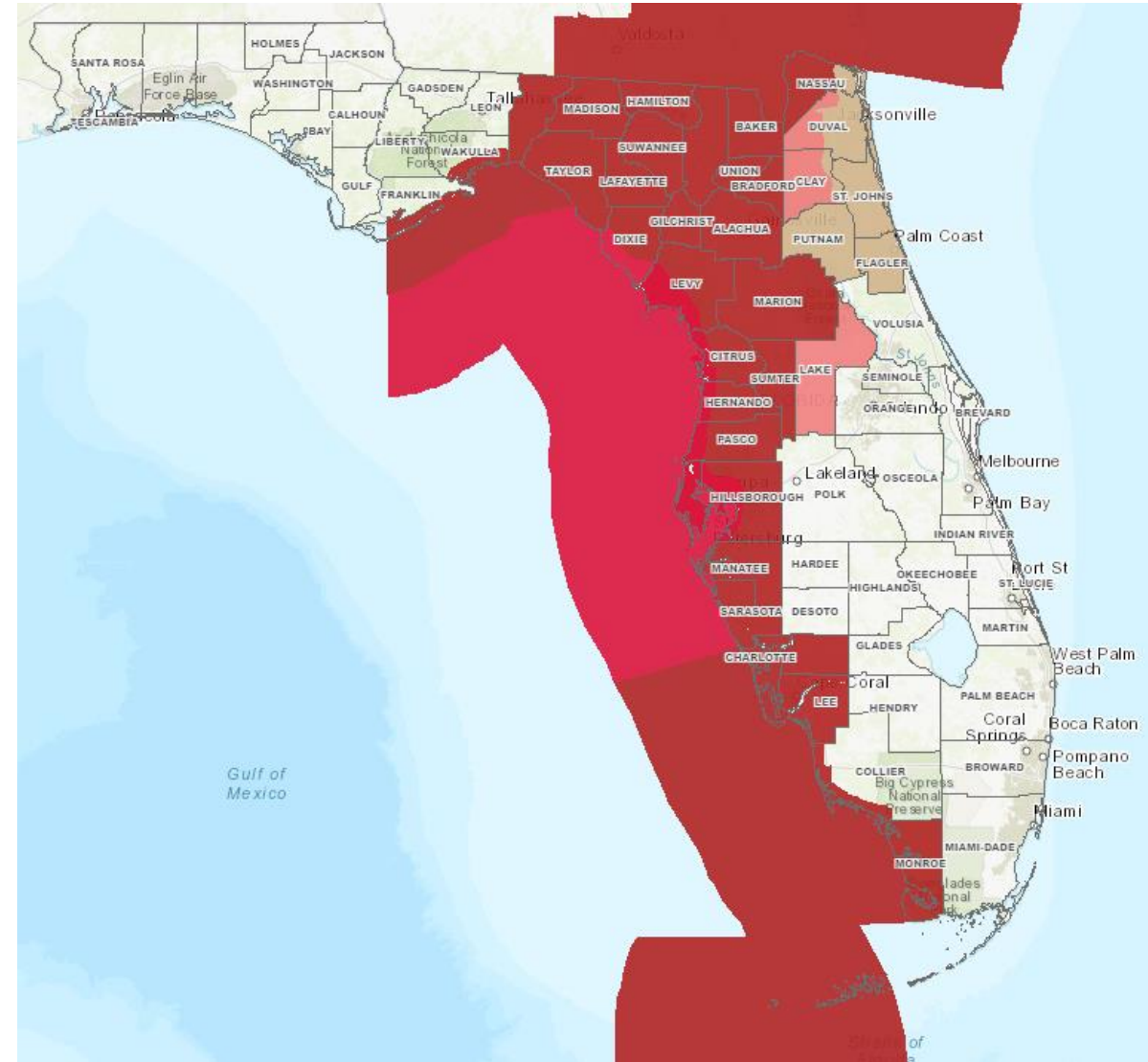
- Lower Keys (east of the Seven Mile Bridge)
- Mainland Monroe, coastal Collier, Lee, Charlotte, Sarasota, Manatee, inland Hillsborough, inland Pasco, inland Hernando, inland Citrus, inland Levy, Sumter, Marion, inland Dixie, Taylor, Jefferson, coastal Wakulla, Madison, Hamilton, Suwannee, Lafayette, Gilchrist, Alachua, Columbia, Baker, Union, Bradford, inland Nassau

Tropical Storm Watches:

- Lake, western Duval, western Clay

Wind Advisories: (gusts of 30-40 mph)

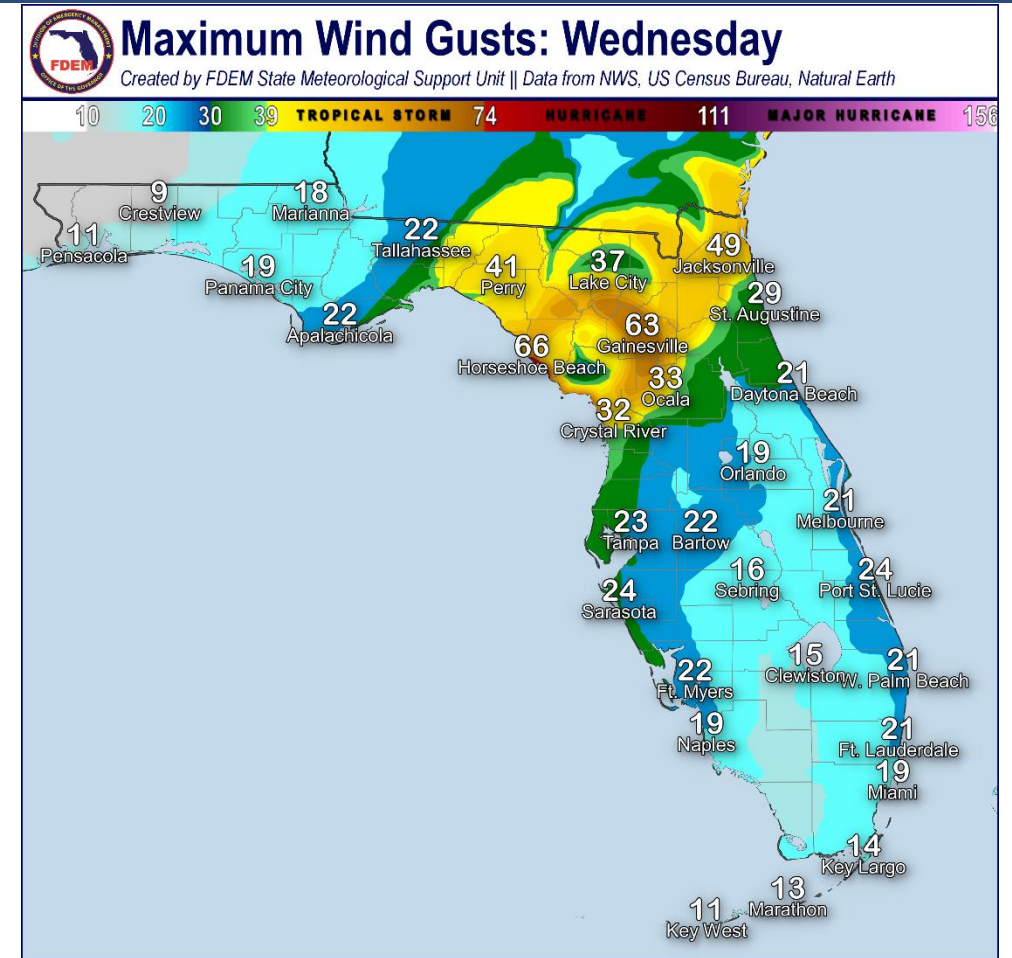
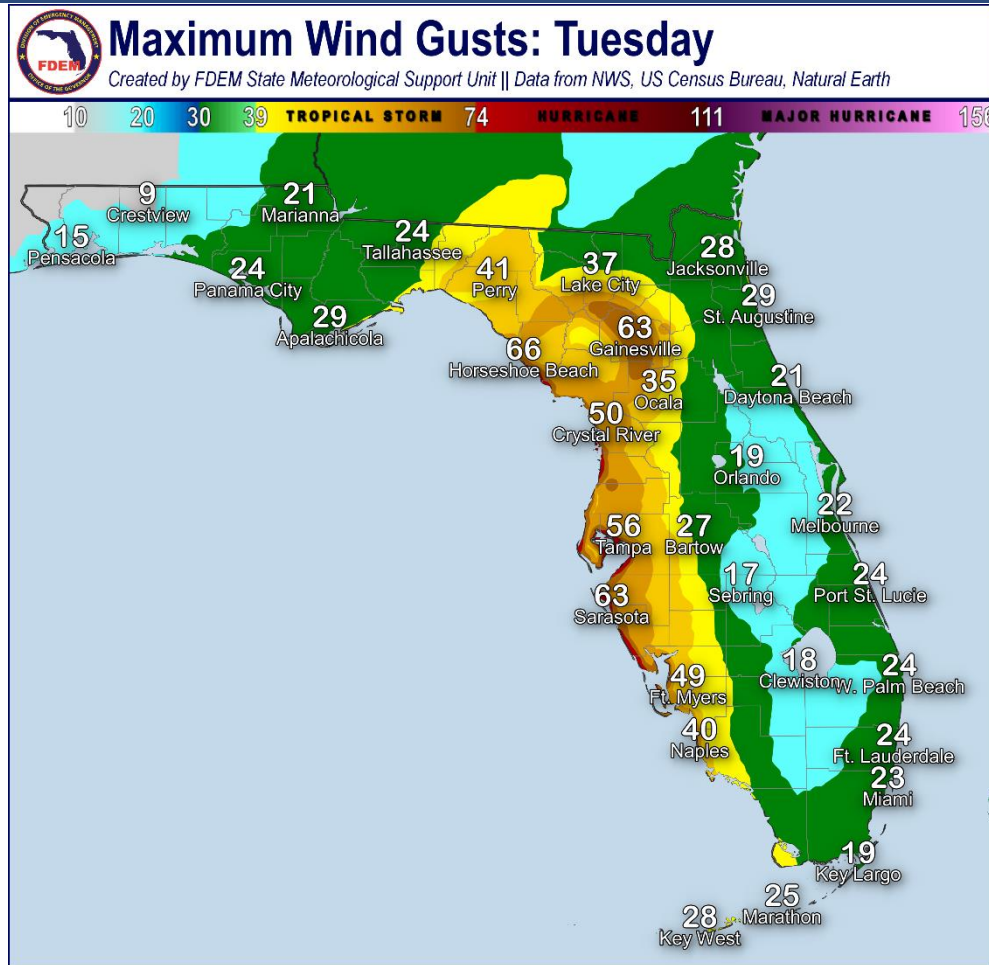
- Coastal Nassau, remainder of Duval County, eastern Clay, St. Johns, Putnam, and Flagler





Max Wind Gusts Next 2 Days

Higher Gusts Possible in Thunderstorms



Areas near where Elsa makes landfall could see hurricane force wind gusts (75+ mph). But much of the West Coast and Northeast Florida could see gusts of 45-70 mph through Wednesday.



Surge Watches and Warnings

In Effect Until Further Notice

https://www.nhc.noaa.gov/refresh/graphics_at5+shhtml/114917.shtml?inundation#contents

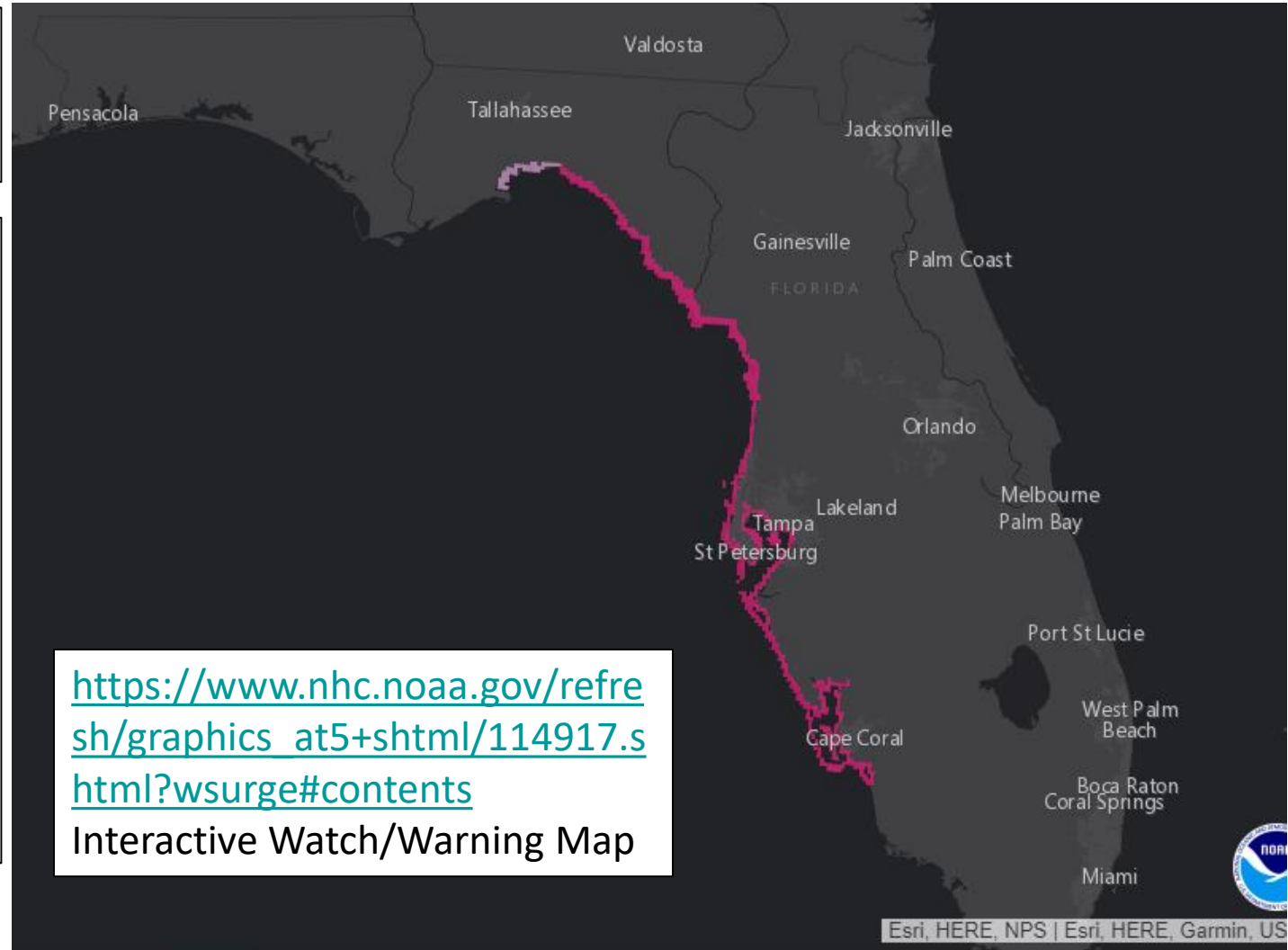
Interactive P-Surge Inundation Map

Storm Surge Warning:

- **From Bonita Beach to the Aucilla River, including Tampa Bay:** Taylor, Dixie, Levy, Citrus, Hernando, Pasco, Pinellas, Hillsborough, Manatee, Sarasota, Charlotte, Lee Counties

Storm Surge Watch:

- **From the Aucilla River to the Ochlockonee River:** Jefferson, Wakulla Counties





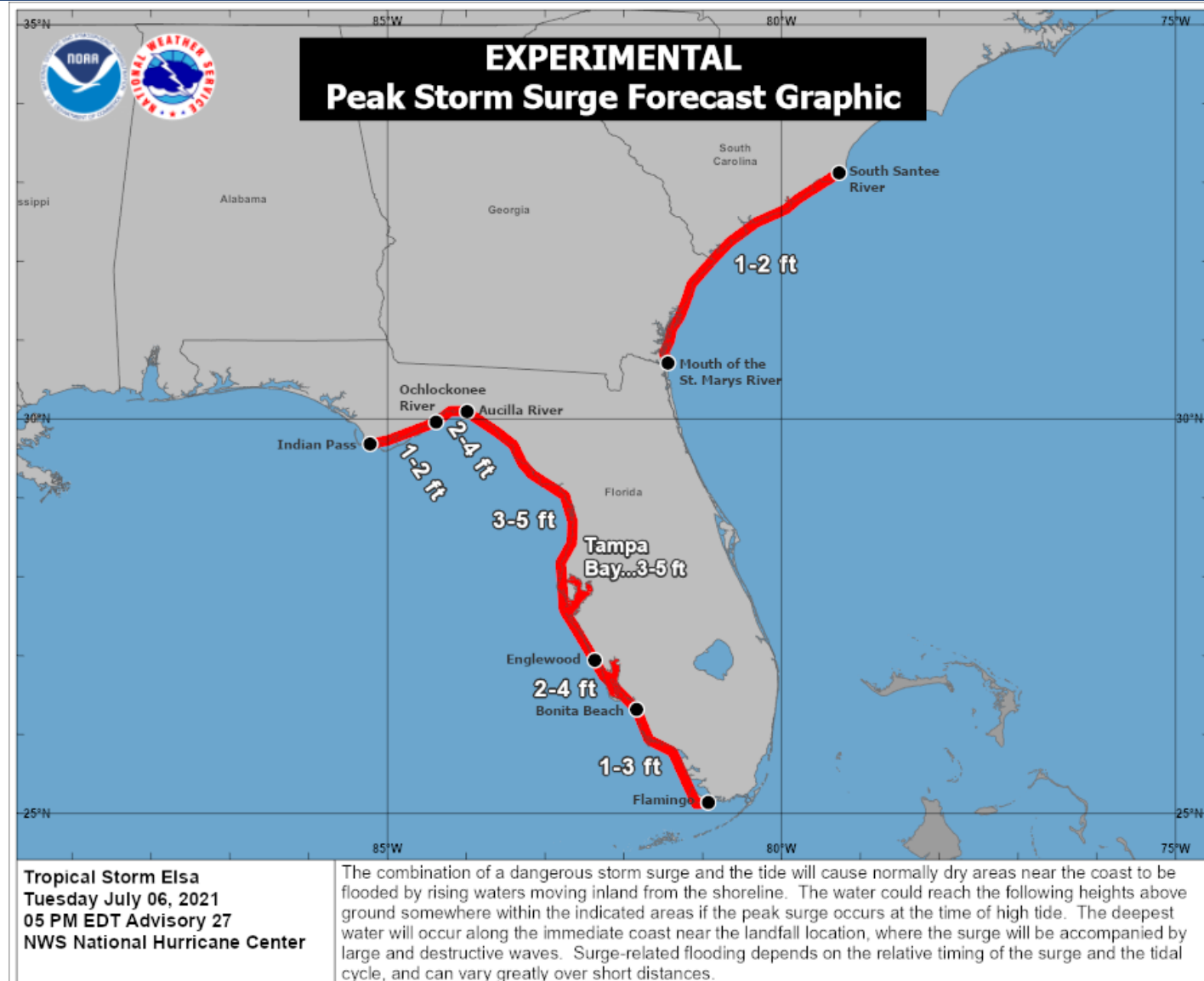
Storm Surge/Coastal Flooding

Tropical Storm Elsa

The highest storm surge is expected from the Aucilla River to Englewood where 3-5 feet of storm surge is now expected, including in Tampa Bay.

2-4 feet of storm surge is expected along the Big Bend coast from the Aucilla River to the Ochlockonee River and along the West Coast from Englewood to Bonita Beach.

Storm surge will be around 3 feet or less along the remainder of the Big Bend from Indian Pass to the Ochlockonee River, Southwest Florida from Bonita Beach southward to Flamingo.



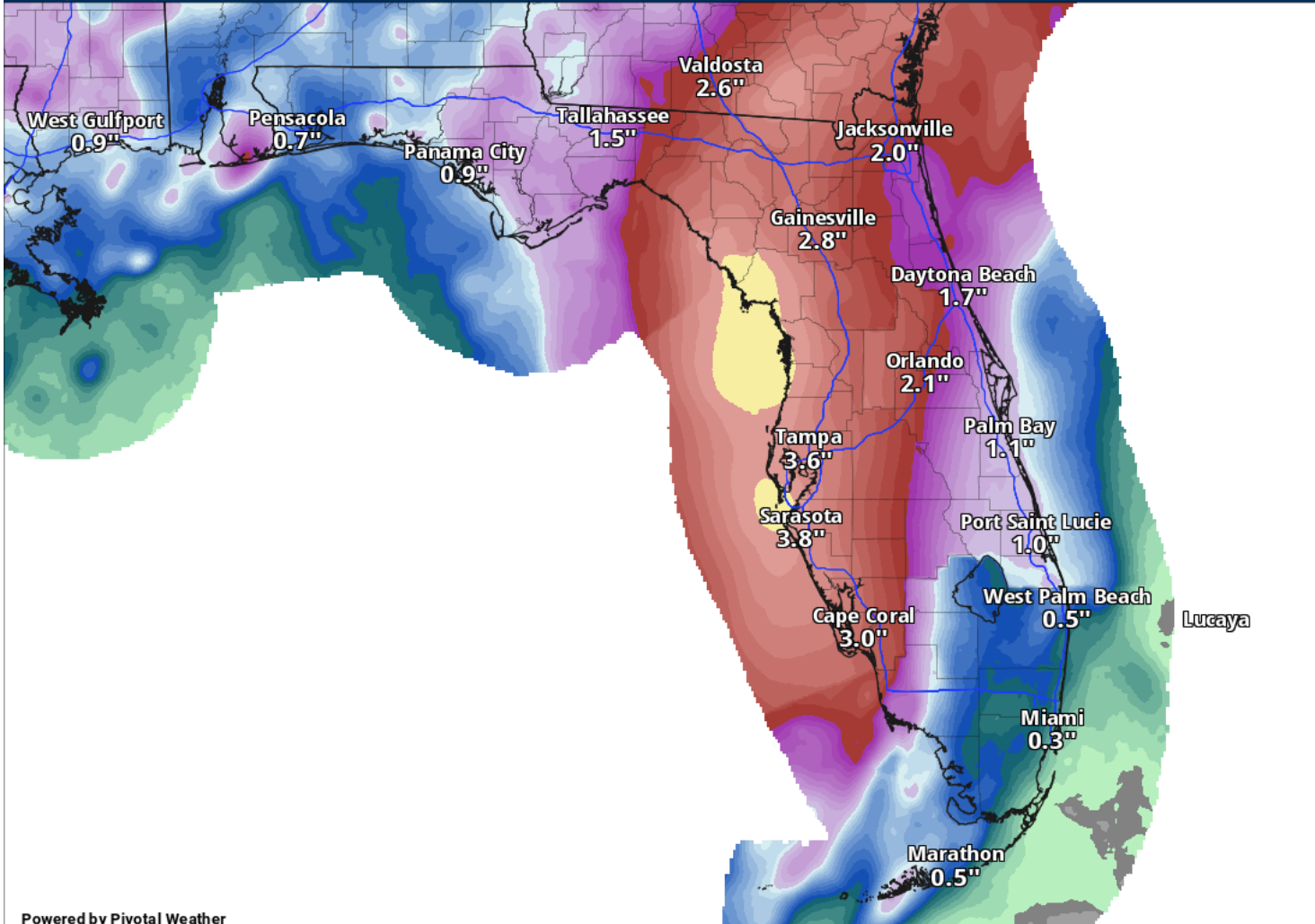


Rainfall Totals Next 48 Hours

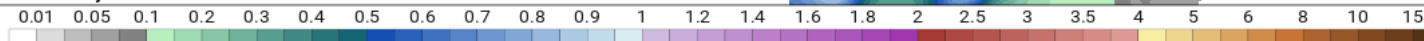
Ending 2 AM ET Thursday

48-hr QPF Accumulation (in)
Ending Thursday, Jul. 8, 2021 at 2 p.m. EDT

NWS NDFD - 07/06/2021 18z



Powered by Pivotal Weather



Through the next 48 hours, rainfall totals of 3-5" are expected along the West Coast & Northeast Florida with localized totals of 6-8" possible.

Rainfall totals will be less along the East Coast and Panhandle- from 1-3".

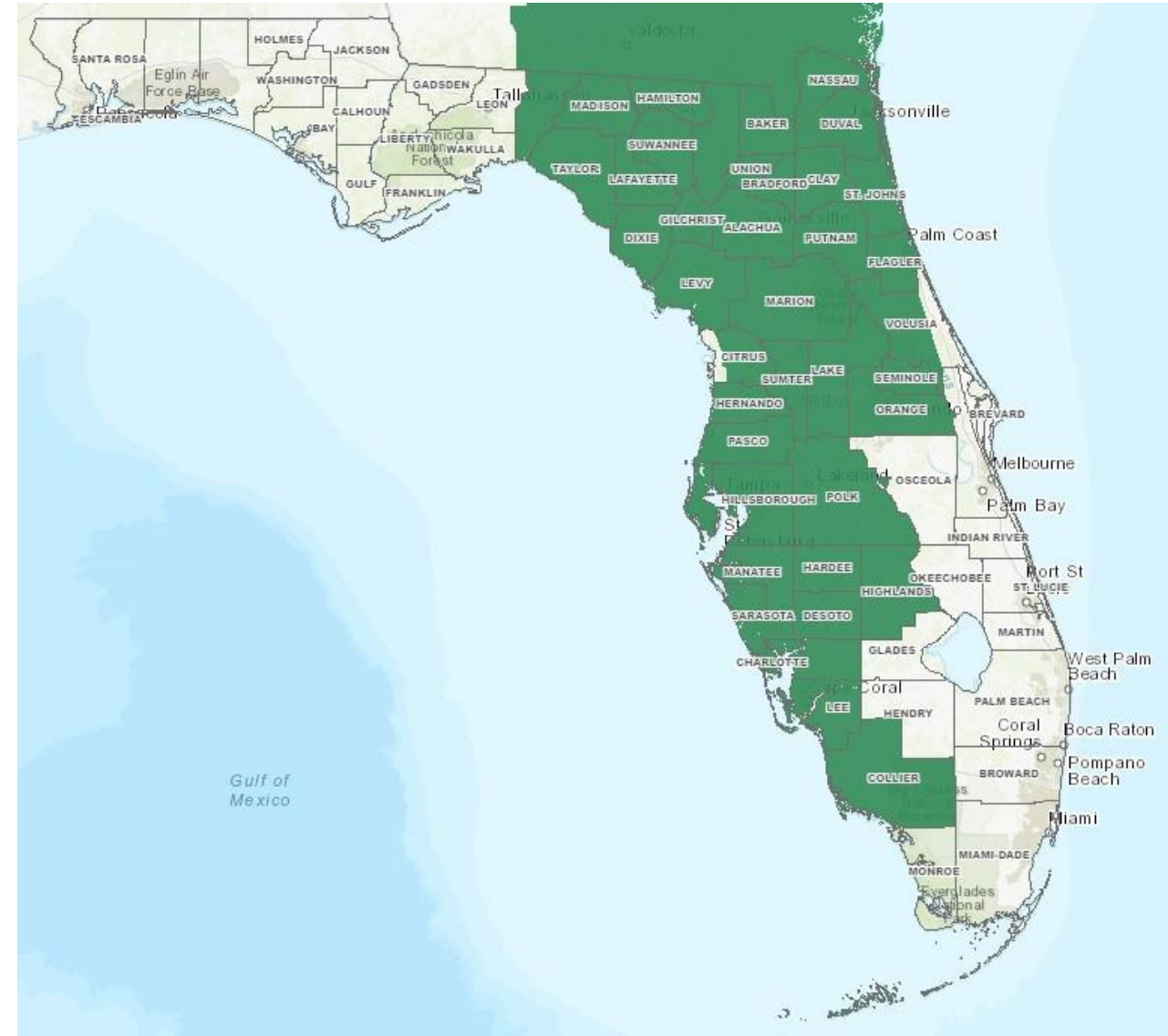


Flood Watches

[NWS Tampa](#) | [NWS Miami](#) | [NWS Jacksonville](#) | [NWS Tallahassee](#) | [NWS Melbourne](#)

Areal Flood Watch:

- **Until Late Tuesday Night:** All of Northeast Florida, the West Coast, the eastern Big Bend, and Orlando metro area.



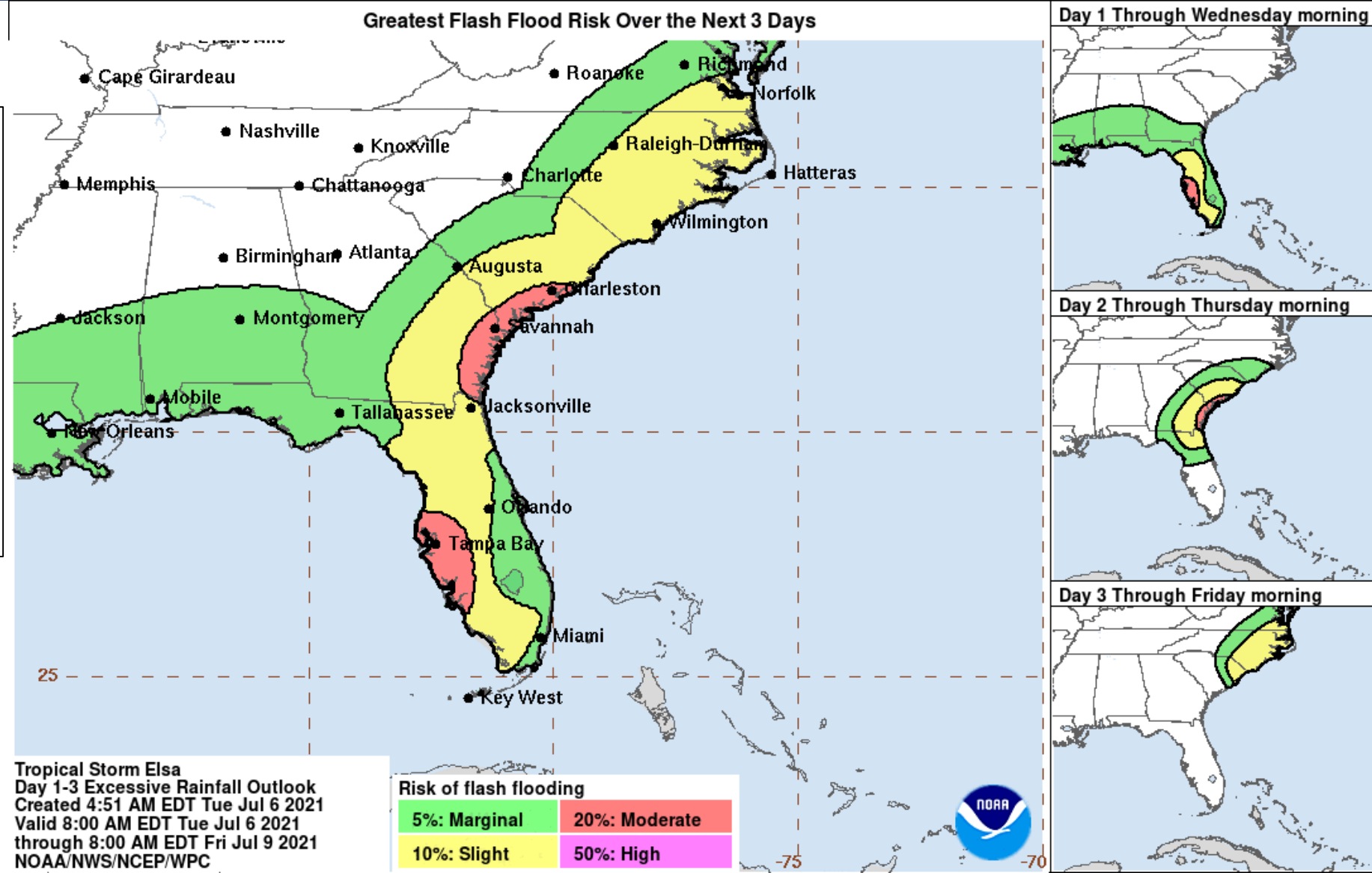


Flash Flood Outlook

3-Day Event Summary

Very heavy rainfall is expected with Tropical Storm Elsa, especially along the West Coast.

There is now a **Moderate Flash Flood Risk** (level 3 of 4) for the West Coast Tuesday into Wednesday morning.



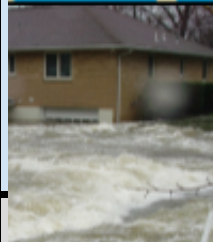




Flash Flood Risk Categories

Understanding the Weather Prediction Center Risk Scale

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		Risk of rainfall exceeding flash flood guidance within 25 miles of a point to the right of a line HIGH: > 50% MDT: 20%-50%		SLGT: 10%-20% MRGL: 5%-10%
				

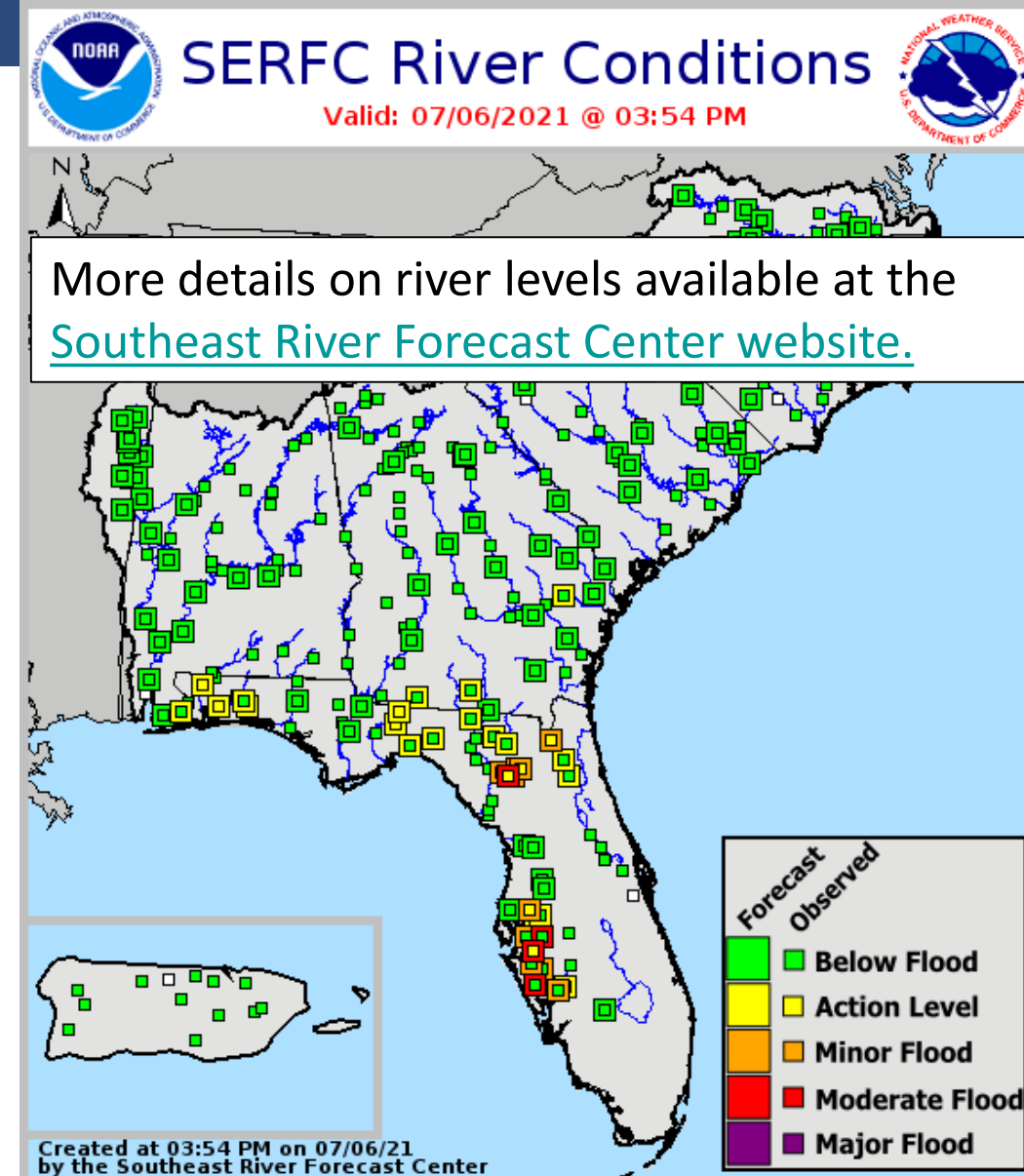


Current & Forecast River Flooding

Southeast River Forecast Center

Rivers Currently in or Forecast to Reach Flood Stage:

- [St. Marys River near Macclenny](#) - **MINOR**
- [Santa Fe River at Worthington Springs](#) - **MINOR**
- [Santa Fe River at O'leno State Park](#) - **MINOR**
- [Santa Fe River near High Springs](#) - **MINOR**
- [Santa Fe River near Fort White](#) - **MODERATE**
- [Santa Fe River at Three River Estates](#) - **MINOR**
- [Cypress Creek at Worthington Gardens](#) - **MINOR**
- [Alafia River at Lithia](#) - **MODERATE**
- [Alafia River near Riverview](#) - **MINOR**
- [Horse Creek near Arcadia](#) - **MINOR**
- [Little Manatee River near Wimauma](#) - **MODERATE**
- [Manatee River near Myakka Head](#) - **MINOR**
- [Manatee River at Rye Bridge](#) - **MINOR**
- [Myakka River at Myakka River State Park](#) - **MODERATE**

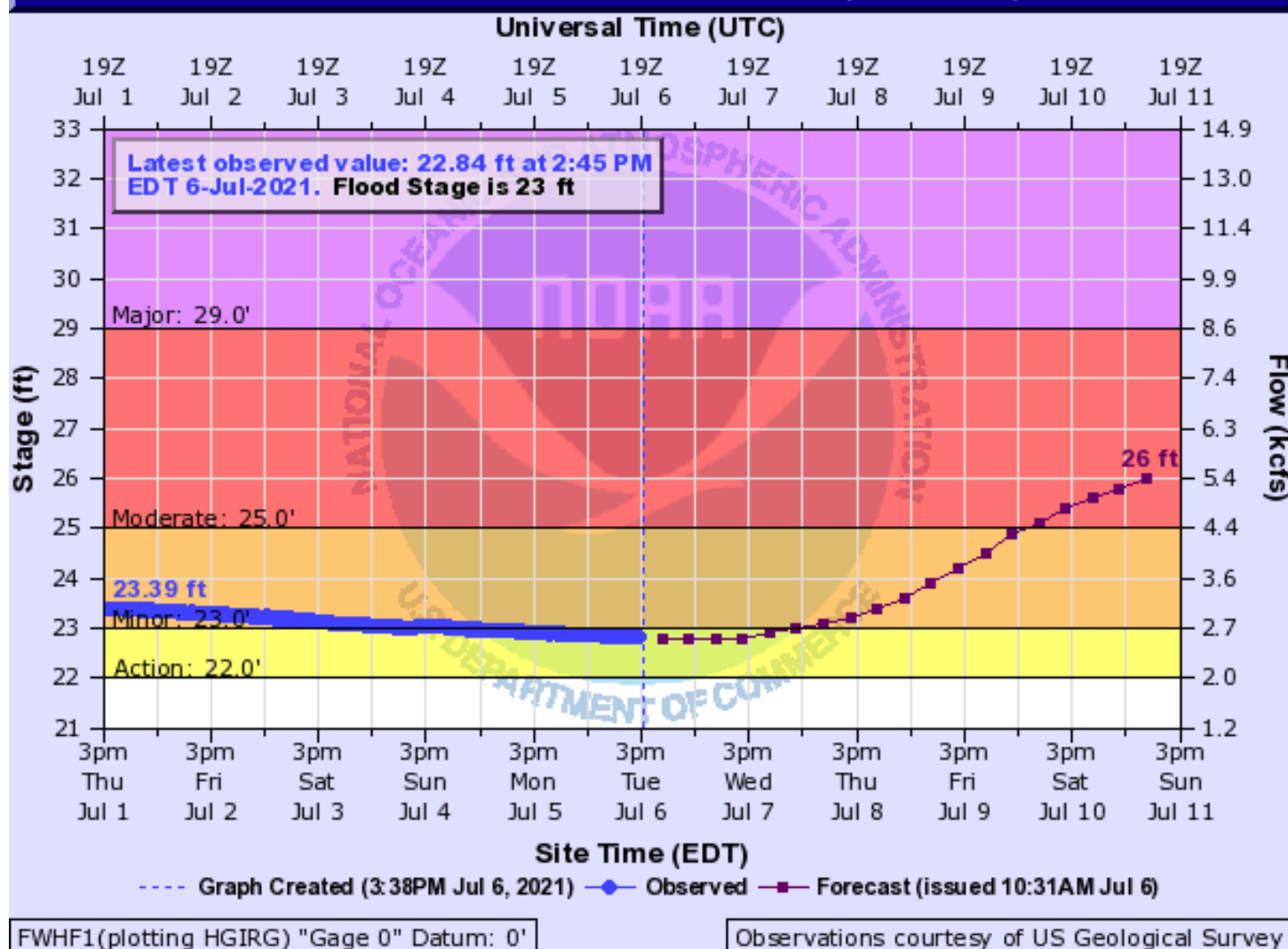




Santa Fe River near Fort White

[Hydrograph Link](#)

SANTA FE RIVER NEAR FORT WHITE (IN NAVD88)



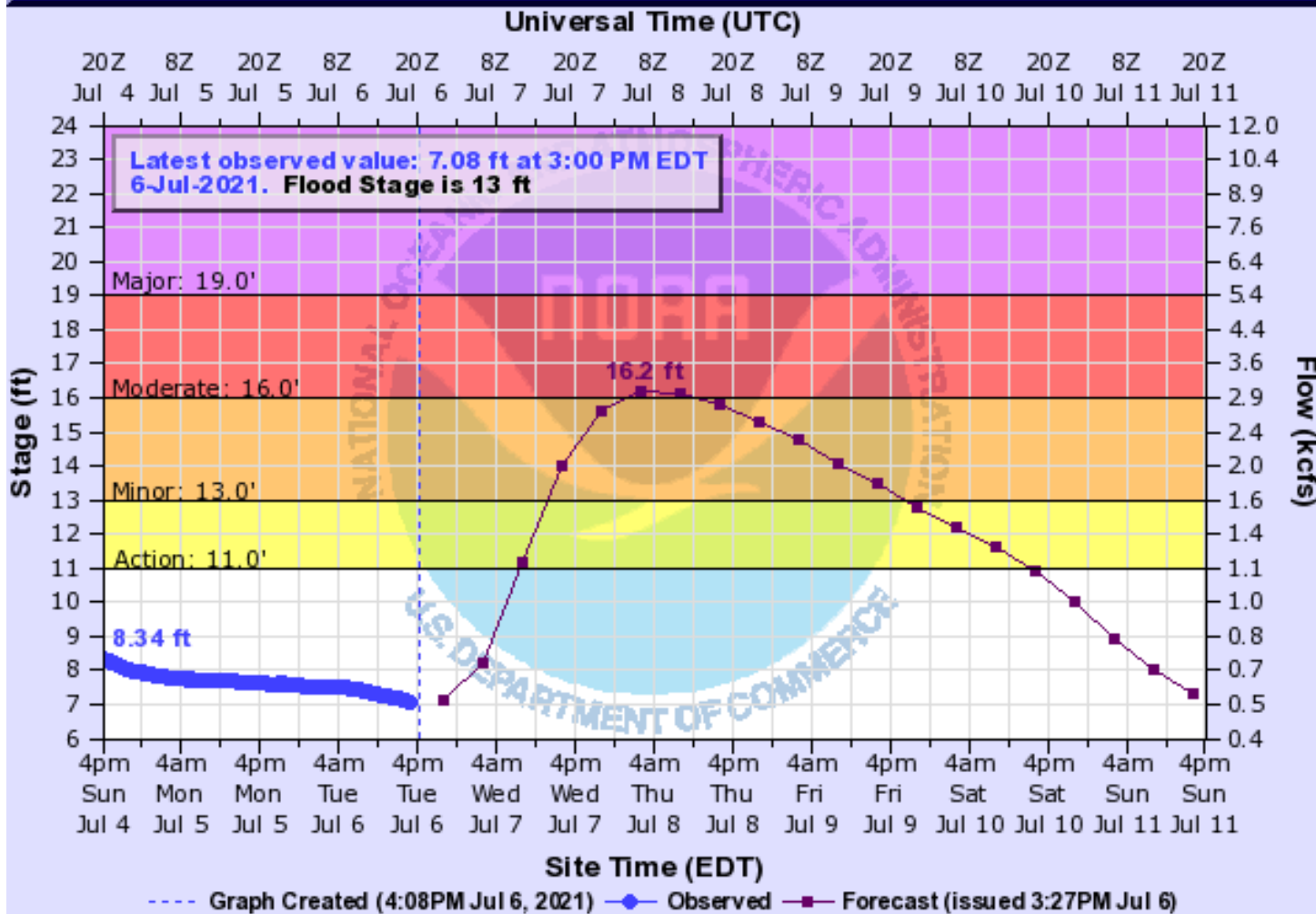
- 29 Major damage and disruption to the community is expected. Roads will be cut off and many homes will be surrounded by water. Boat wash damage to homes will be severe.
- 25 Damage to homes at low elevation as well as basement areas underneath homes on stilts is likely.
- 23.25 Florida Fish and Wildlife Commission begins enforcement of a no wake zone on the Santa Fe River from the centerline of the US 27 Bridge downstream to one-half mile upstream from the State Road 47 Bridge.
- 23 Minor damage to dwellings is possible due to boat wash.



Alafia River at Lithia

[Hydrograph Link](#)

ALAFIA RIVER (FL) AT LITHIA PINECREST ROAD AT LITHIA



LITF1(plotting HGIRG) "Gage 0" Datum: 6.04'

Observations courtesy of US Geological Survey

- 27 Water covers County Road 640 Lithia area.
- 15 Additional residences downstream of County Road 640 bridge begin flooding.
- 13 River Drive and Squirrel Run Way downstream of County Road 640 are completely covered by water. One home begins to flood.
- 12 Water begins to affect River Drive and Squirrel Run Way downstream of County Road 640.



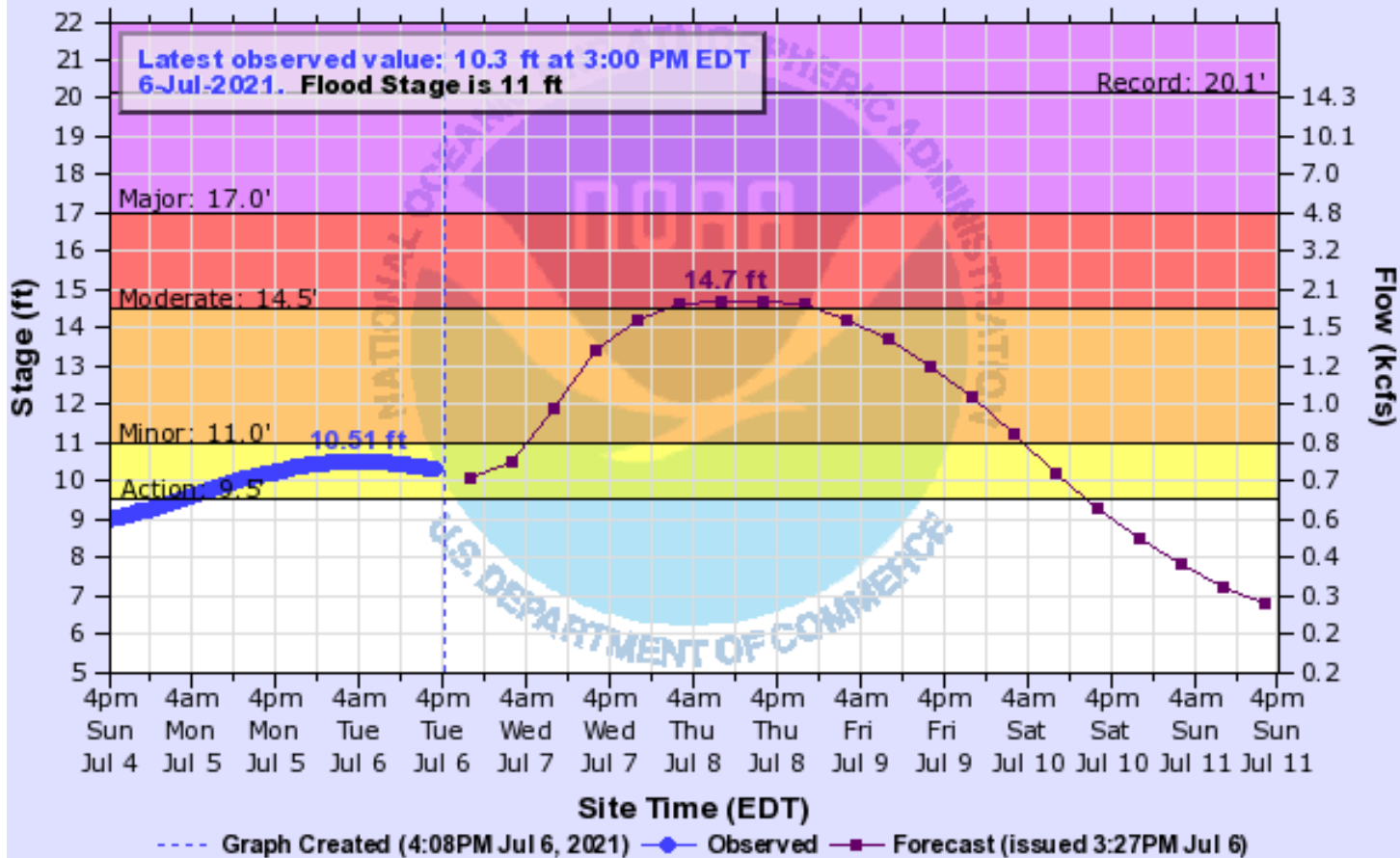
Little Manatee River near Wimauma

[Hydrograph Link](#)

LITTLE MANATEE RIVER (FL) NEAR WIMAUMA AT US 301

Universal Time (UTC)

20Z Jul 4 8Z Jul 5 20Z Jul 5 8Z Jul 6 20Z Jul 6 8Z Jul 7 20Z Jul 7 8Z Jul 8 20Z Jul 8 8Z Jul 9 20Z Jul 9 8Z Jul 10 20Z Jul 10 8Z Jul 11 20Z Jul 11



WIMF1(plotting HGIRG) "Gage 0" Datum: 0.88'

Observations courtesy of US Geological Survey

- 22.5 Water reaches the State Road 301 bridge roadbed.
- 14.5 Flooding of several houses begins near 32nd and 33rd streets in Ruskin.
- 13 The canoe rental area floods.
- 11 The river overflows its banks.

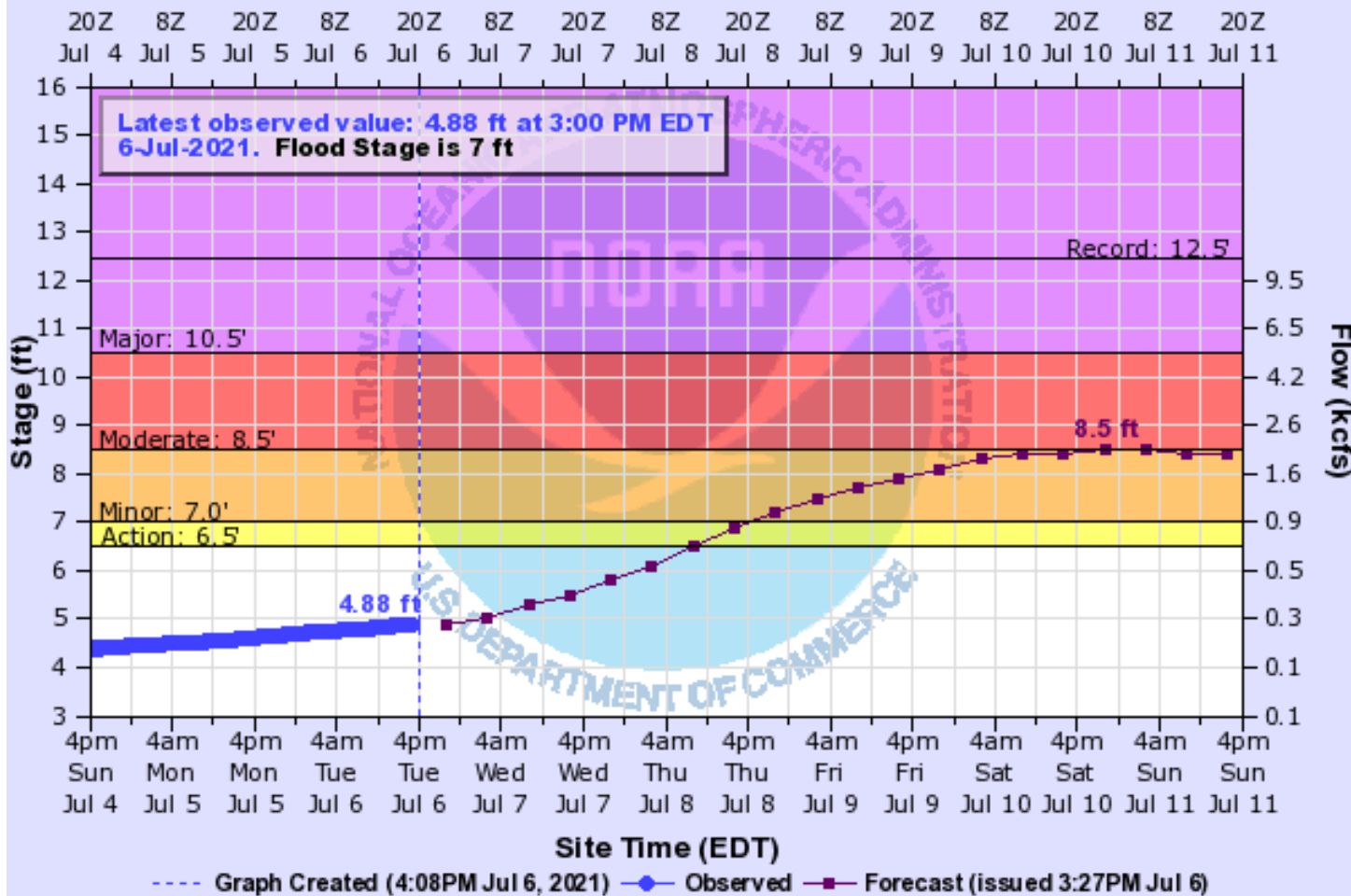


Myakka River at Myakka River S.P.

[Hydrograph Link](#)

MYAKKA RIVER (FL) AT MYAKKA RIVER STATE PARK

Universal Time (UTC)



MKCF1(plotting HGIRG) "Gage 0" Datum: 7.92'

Observations courtesy of US Geological Survey

- 11.9 Water is on State Road 72.
- 11 Homes and bogs flood, water approaches State Road 72.
- 10.6 The walkway to the river gage floods.
- 8.5 Most of Myakka State Park is closed.
- 8 The main road at Myakka State Park floods.
- 7 Trails, picnic areas, and parking lots at Myakka State Park flood.



Tornado Watch

In Effect Until 11 PM ET



Tornado Watch:

- Broward, Charlotte, Collier, DeSoto, Glades, Hardee, Hendry, Highlands, Hillsborough, Lee, Manatee, Martin, Miami-Dade, Mainland Monroe, Okeechobee, Osceola, Palm Beach, Pinellas, Polk, Sarasota, and St. Lucie

Additional watches will likely be needed during the overnight hours for more of the Peninsula.



Tornado Watch # 337 - Valid from 145 PM until 1100 PM EDT



Severe Weather Outlook Tuesday

From the Storm Prediction Center

5 - High

Widespread severe storms expected

4 - Moderate

Widespread severe storms likely

3 - Enhanced

Numerous severe storms possible

2 - Slight

Scattered severe storms possible

1 - Marginal

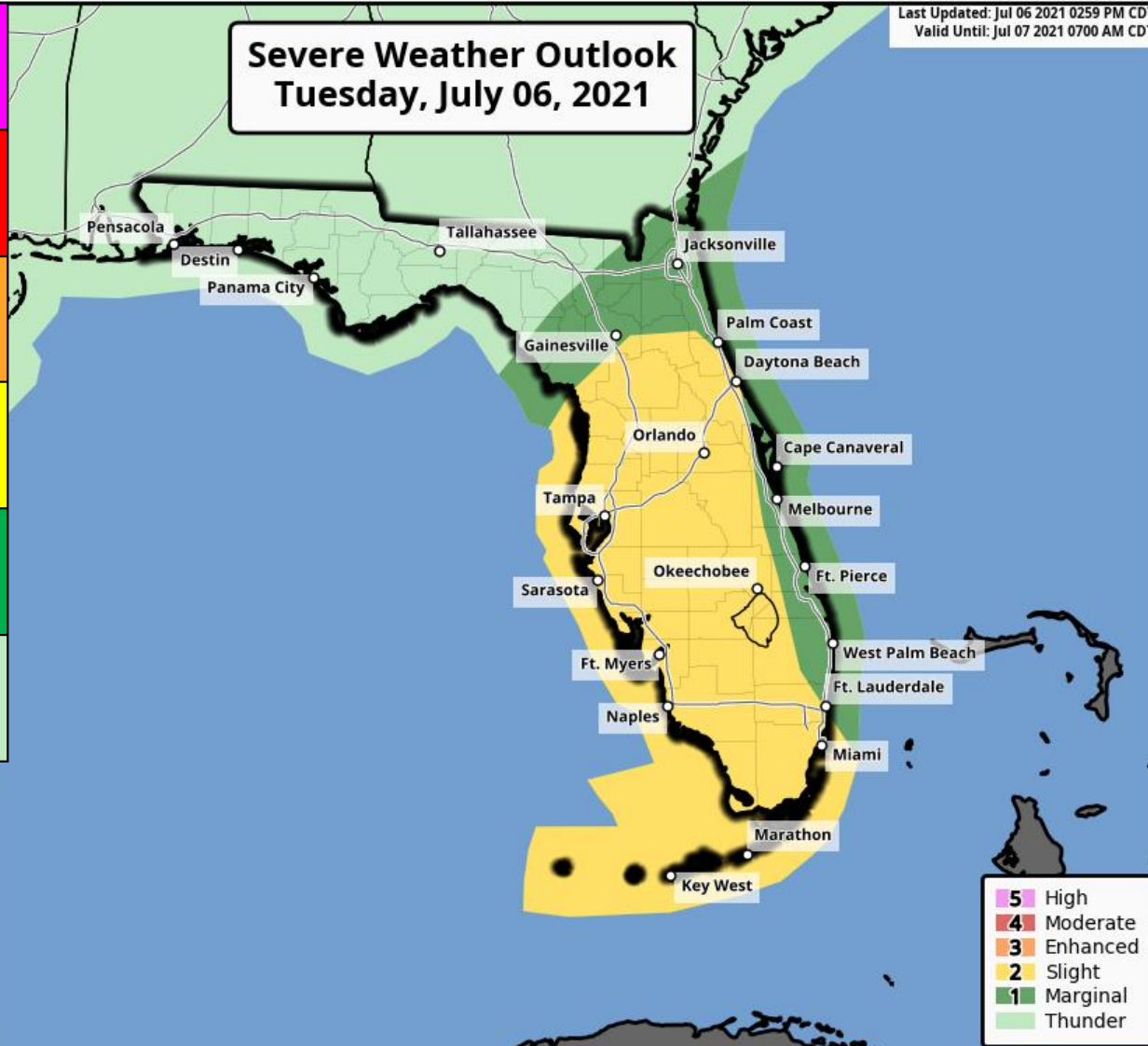
Isolated severe storms possible

Thunderstorms

No severe storms expected

Severe Weather Outlook Tuesday, July 06, 2021

Last Updated: Jul 06 2021 0259 PM CDT
Valid Until: Jul 07 2021 0700 AM CDT



As the outer bands from Elsa move across Northeast Florida and the Peninsula today and tonight, there is the potential for several tornadoes.

1 - MARGINAL (MRGL)

Isolated severe
thunderstorms
possible

Limited in duration
and/or coverage
and/or intensity

2 - SLIGHT (SLGT)

Scattered
severe storms
possible

Short-lived and/or
not widespread,
isolated intense
storms possible



National Weather Service
Storm Prediction Center

<http://www.spc.noaa.gov>



Severe Weather Outlook Wed.

From the Storm Prediction Center

5 - High

Widespread severe storms expected

4 - Moderate

Widespread severe storms likely

3 - Enhanced

Numerous severe storms possible

2 - Slight

Scattered severe storms possible

1 - Marginal

Isolated severe storms possible

Thunderstorms

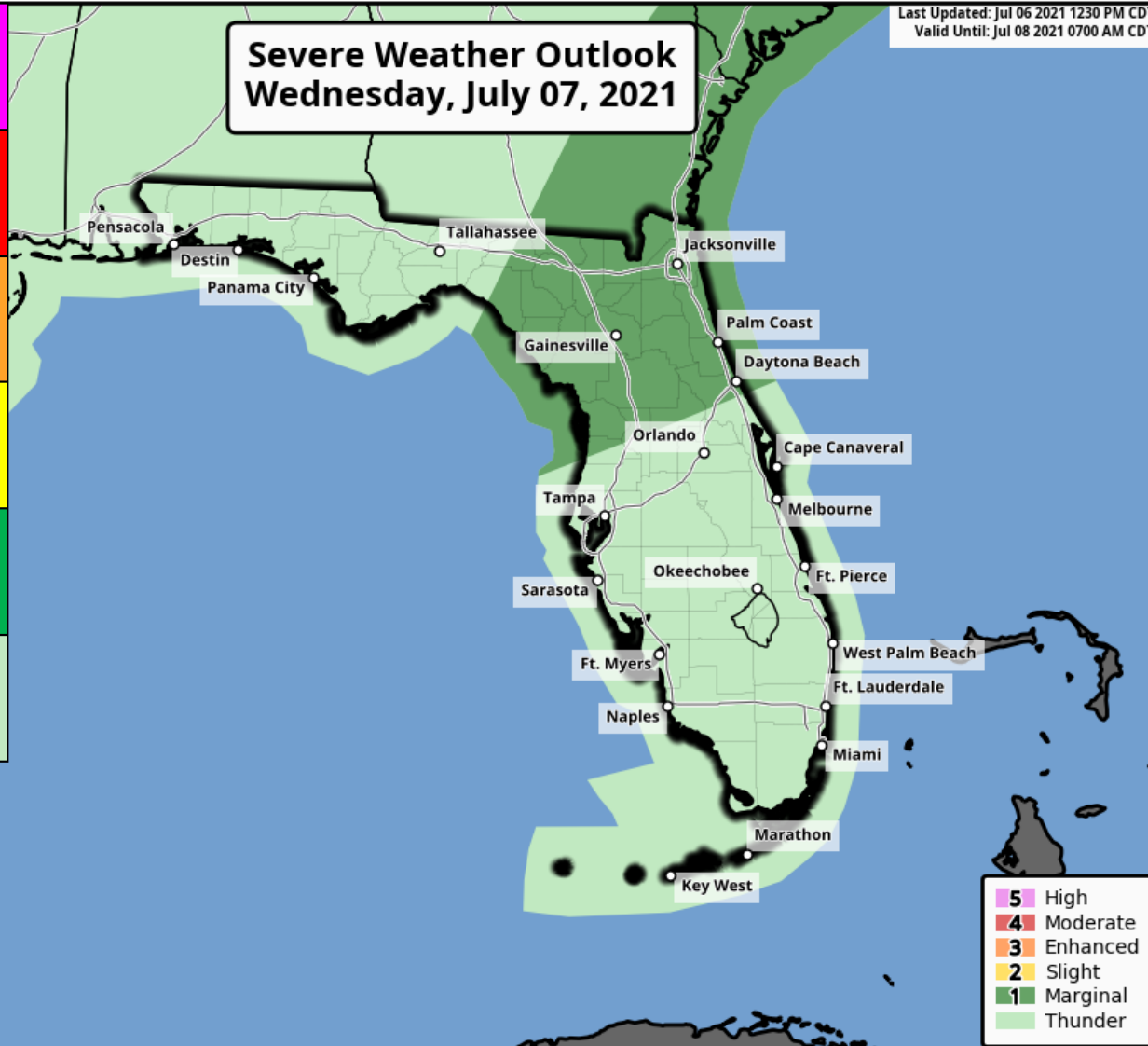
No severe storms expected



National Weather Service
Storm Prediction Center
<http://www.spc.noaa.gov>

Severe Weather Outlook Wednesday, July 07, 2021

Last Updated: Jul 06 2021 1230 PM CDT
Valid Until: Jul 08 2021 0700 AM CDT



As Elsa moves northward and make landfall Wednesday morning, a few tornadoes will remain possible across Northeast Florida.

1 - MARGINAL (MRGL)

Isolated severe
thunderstorms
possible

Limited in duration
and/or coverage
and/or intensity

2 - SLIGHT (SLGT)

Scattered
severe storms
possible

Short-lived and/or
not widespread,
isolated intense
storms possible



Overall Summary

Tropical Storm Elsa

- The center of Elsa is about 155 miles south-southwest of Tampa, and moving to the north at 10 mph with max sustained winds around 70 mph.
- Elsa is likely to become a Category 1 hurricane prior to landfall. Landfall is expected along the Nature Coast early tomorrow morning. The storm remains lopsided with nearly all of the wind, rain, surge, and tornado threat on the eastern half of the storm.

Florida Outlook:

- **Hurricane Warnings:** Coastal portions of Citrus, Dixie, Hernando, Hillsborough, Levy, Pasco, and all of Pinellas County
- **Tropical Storm Warnings:** Lower Keys (east of Seven Mile Bridge & Dry Tortugas); Alachua, Baker, Bradford, Columbia, Charlotte, Hamilton, Gilchrist, Jefferson, Lafayette, Lee, Madison, Manatee, Marion, Pinellas, Sarasota, Sumter, Suwannee, Taylor, and Union; Inland portions of Citrus, Dixie, Hernando, Hillsborough, Levy, Nassau and Pasco; Coastal portions of Collier and Wakulla; Mainland Monroe.
- **Tropical Storm Watch:** Lake County and the western portions of Clay and Duval County.
- Gusts to hurricane force (75-80 mph) in the Hurricane Warning areas, gusts of 40-70 mph in the Tropical Storm Warning areas, gusts of 35-50 mph possible in the Tropical Storm Watch areas. Wind gusts of 30-40 mph are possible in the remainder of Northeast Florida.
- **Storm Surge Warning:** Bonita Beach to the Aucilla River, or the coastal areas of Charlotte, Citrus, Dixie, Hernando, Hillsborough, Lee, Levy, Manatee, Pasco, Pinellas, Sarasota, Taylor.
- **Storm Surge Watches:** Coastal areas of Jefferson and Wakulla County.
- Storm Surge values of 3-5' are expected from the Aucilla River to Englewood with 2-4' from the Ochlockonee to the Aucilla and from Englewood to Bonita Beach. 1-3' elsewhere in Southwest Florida and the Keys.
- **Flood Watch:** All of Northeast Florida, the West Coast, the eastern Big Bend, and the Orlando metro landfall
- A widespread 3-5" of rain is possible across the eastern Big Bend, Northeast Florida, and West Coast over the next 3 days with localized totals of 6-8". This could result in some urban or flash flooding early next week due to wet/saturated soils as well as some minor river flooding.
- Saturated soils due to 200-300% of normal rainfall over the last two weeks will make trees more susceptible to falling in strong winds.
- Dangerous rip currents are expected at all Florida beaches. Minor to moderate beach erosion is also possible along West Coast beaches with dune overwash.
- A few to several tornadoes are expected across Northeast, Central, and South Florida tonight and Wednesday morning. A Tornado Watch is in effect for much of Central and South Florida until 11 PM ET. Additional watches will likely be necessary.

The next briefing packet will be issued Wednesday morning unless significant updates occur at the 11 PM ET advisory. 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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