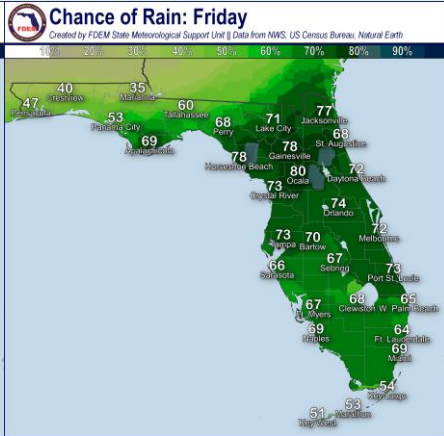
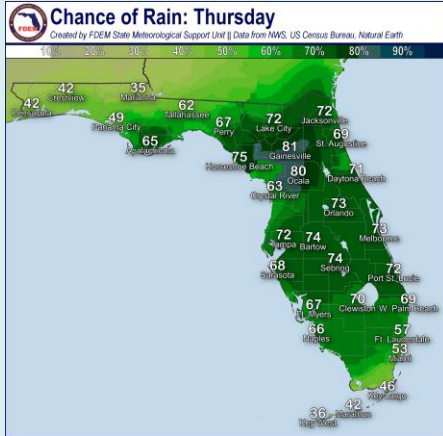


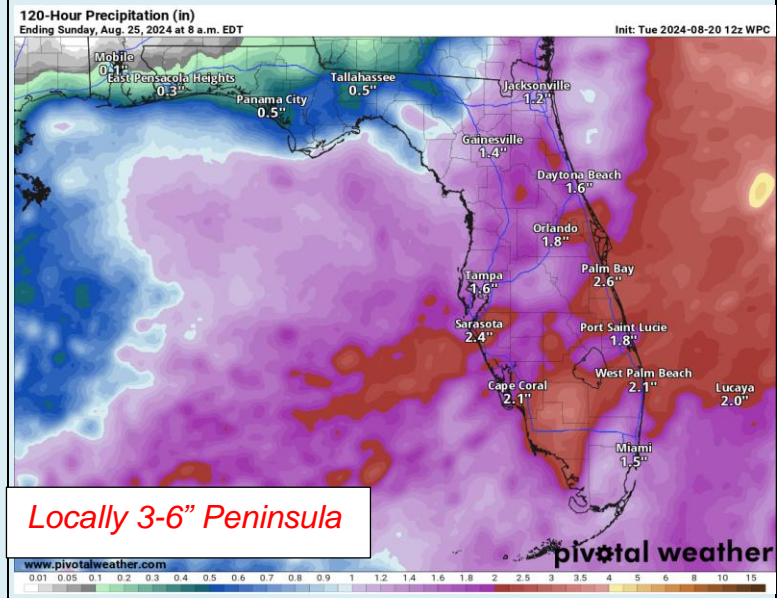
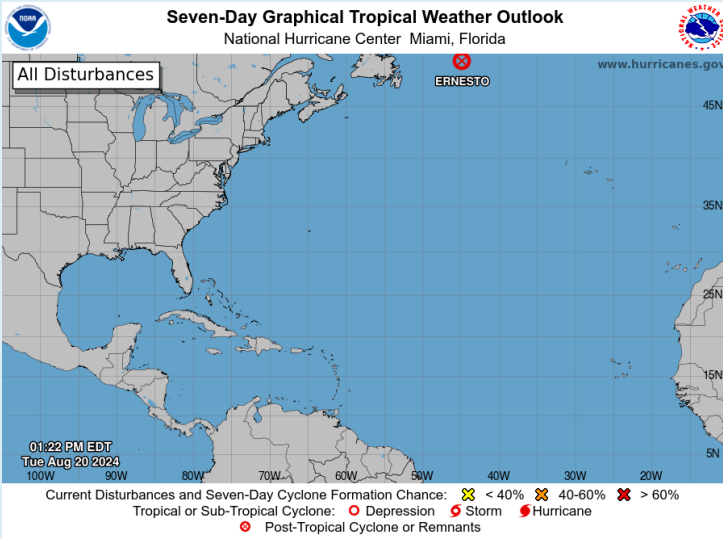
Tuesday, August 20, 2024

5-Day Statewide Weather Outlook

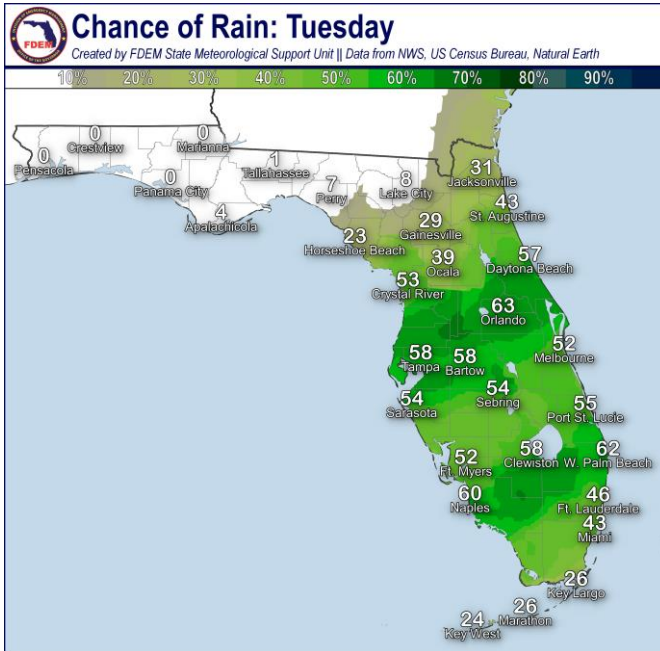
No Threat		Low Threat		Moderate Threat		High Threat		
Day	Lightning	Tornado	Damaging Wind/Hail	Coastal Flooding	Flash Flooding	Excessive Heat	River Flooding	Rip Currents
Tue	Peninsula Northeast FL		Locally Iso. Peninsula	Southwest Florida	Locally Iso. South Florida	SE Florida & Keys NE FL & Peninsula	Santa Fe River Suwannee Valley & W- Central FL	Palm Beach Panhandle & East Coast West Coast
Wed	Peninsula Big Bend & Northeast FL		Locally Iso. Peninsula	Iso. Southwest Florida	Locally Iso. South Florida	W-Central & South FL North & E- Central FL	Santa Fe River Suwannee Valley & W- Central FL	Locally Panhandle & East Coast West Coast
Thu	Suwannee Valley & Peninsula Statewide		Locally Iso. Statewide		Locally Iso. NE FL & Peninsula	South Florida & Keys Statewide	Santa Fe River Suwannee Valley & West- Central FL	Locally Panhandle & East Coast West Coast
Fri	Suwannee Valley & Peninsula Statewide		Locally Iso. Statewide		Locally Iso. NE FL & Peninsula	South Florida & Keys Statewide	Suwannee Valley & West- Central FL	East Coast Panhandle West Coast
Sat	Locally Peninsula Panhandle		Locally Iso. Statewide		Locally South Florida Iso. Peninsula	W-Central & South FL Statewide	Suwannee Valley & West- Central FL	East Coast Panhandle West Coast



Forecast Rain Chances: Thursday, Friday, and Saturday



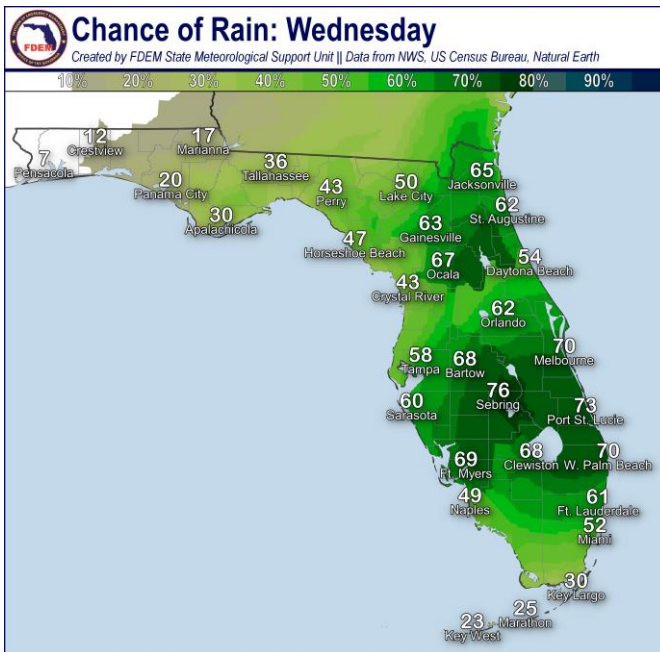
**...Drier Conditions Return to Panhandle and Western Big Bend Tuesday and Partially Wednesday...Moisture Gradually Increases and Will Bring More Scattered Showers and Thunderstorms through End of Week Across Panhandle and Big Bend...Frontal Boundary Becomes Stationary Along Northern Peninsula for Next Several Days...Scattered to Numerous Showers and Thunderstorms Throughout Afternoon and Evening Hours Across Peninsula...Locally Strong to Severe Thunderstorms Possible At Times...Tropical Wave Bringing Widespread Rainfall Across South Florida Late Friday and Into Saturday...Marginal Risk (Level 1 of 4) for Flash Flooding Across South Florida on Saturday...Minor to Moderate Riverine Flooding To Continue Across Suwannee Valley and West-Central Florida...**



**Tuesday – Wednesday:**

The recent cold front from the last couple of days has moved into the northern Panhandle and along the I-10 corridor but will become stationary over the northern Peninsula for the next several days. Behind this frontal boundary, northwesterly winds along the Panhandle and western Big Bend will allow for drier conditions. These drier conditions will be reinforced by an area of high pressure over the Great Lake and Midwest allowing for drier air to filter southward behind the front on Tuesday. On Wednesday, rain chances along the Panhandle and Big Bend begin to slow increase as the moisture begins to recover and allow for isolated showers and thunderstorms to potentially return (15-35% chance of rain).

Ahead of the frontal boundary, plenty of moisture will help to aid daily showers and thunderstorms throughout the day. Morning showers will develop along the western Peninsula along the coastline during the early morning hours, then gradually push eastward throughout the day. These showers and thunderstorms will become increasingly scattered to numerous in nature with the help of daytime heating (55-75% chance of rain). While organized severe weather is not expected at this time, **locally strong to severe thunderstorms** cannot be ruled out during the peak heating hours of the afternoon and evening. Any of **these thunderstorms** that develop could be capable of producing frequent lightning, gusty winds (40-50 mph) and heavy downpours. Shower and thunderstorm activity will generally weaken and dissipate after sunset and throughout the evening hours. A few showers with embedded rumbles of thunder will linger along the coastlines through the late evening and overnight hours, especially along the West Coast, then begin to move inland during the early morning



hours (30-50% chance of rain). Areas of locally patchy fog and low clouds cannot be ruled out overnight and early in the morning hours for portions of the Suwannee Valley.

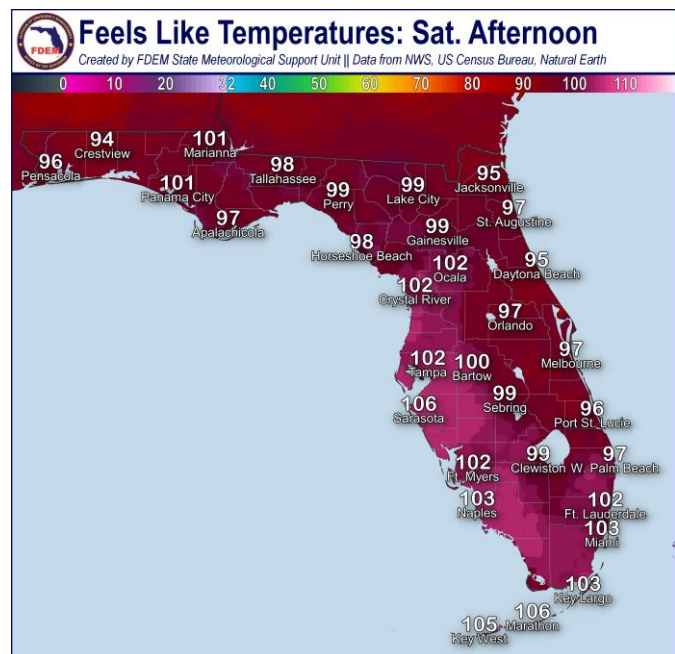
High temperatures will reach the 90s each afternoon, with portions of the western Panhandle approaching the upper 90s with plenty of sunshine. Heat index values will remain in the middle to upper 90s and low 100s across the Panhandle and western Big Bend on Tuesday, then expand across North Florida on Wednesday. Throughout the Peninsula, **heat index values** will remain in the **triple digits (100-110-degrees)** each afternoon. **Heat Advisories** will go into effect late Tuesday morning for portions of Southeast Florida and the Keys as **heat index values upwards of 110-degrees** will create dangerously hot and humid conditions. **Heat Advisories** will likely be needed again for portions of South Florida and the Keys on Wednesday due to **hot and humid conditions**. Low temperatures across the Panhandle and eastward through Suwannee River Valley will fall into the upper 60s to low 70s Tuesday and Wednesday night. Throughout the rest of the state, low temperatures will fall into the middle to upper 70s and low 80s.

### Thursday – Saturday:

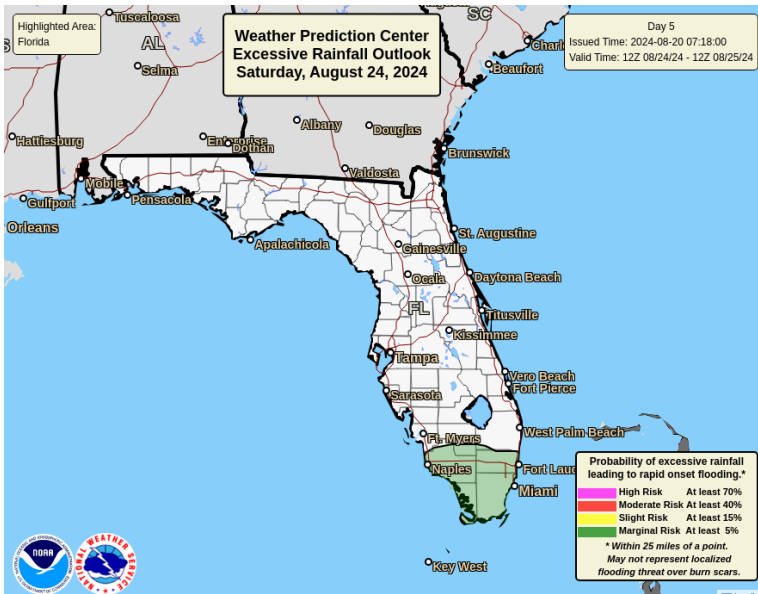
The high pressure over the Midwest that was feeding dry air across the Panhandle will gradually shift eastward towards the Northeast. Moisture will gradually recover across the Panhandle and Big Bend on Thursday, increasing the chances for showers and thunderstorms to develop near the stationary front during the afternoon and evening hours. Shower and thunderstorm activity along the northern Panhandle will remain more isolated to widely scattered in nature compared to areas to the east (30-50% chance of rain). The typical summertime thunderstorm pattern can be expected to develop each day along the sea breeze, with scattered to numerous showers and thunderstorms (60-80% chance of rain). With these typical summertime thunderstorms, any could become **locally strong to severe** during the peak heating hours of the day. Frequent lightning, gusty winds (40-50 mph) and heavy downpours cannot be ruled out within any thunderstorm.

By late Friday and into Saturday, a weak tropical wave will approach South Florida from Bahamas and northern Cuba. This will lead to widespread showers and thunderstorms to develop across South Florida late in the day on Friday and then again on Saturday (60-80% chance of rain). There is a chance that some of these thunderstorms could be **locally strong to severe** at times. These thunderstorms could produce frequent lightning, gusty winds (40-50 mph) and heavy downpours. The Weather Prediction Center (WPC) is outlooking a **Marginal Risk (level 1 of 4) for Flash Flooding** on Saturday across South Florida where the last several days of rainfall across the area could lead to **instances of localized flooding** for urban and low-lying/poor drainage areas on Saturday. As well, **breezy winds gusts upwards of 15-25 mph** may be possible outside of thunderstorm activity on Friday and Saturday. There is still uncertainty within computer model guidance, and specific details will continue to be fine-tuned over the next couple of days.

High temperatures will reach the upper 80s and low 90s across the state each afternoon, bringing a little relief from some of the hot temperatures this summer. Heat index values will remain in the middle to upper 90s across North and Central Florida on Thursday and Friday, while South Florida will likely see **triple digit heat index values (100-108-degrees)**. By Saturday, heat index values will gradually begin to increase along West Florida. **Heat index values** will



remain in the middle to upper 90s and **triple digits (100-108-degrees)** across the state. Low temperatures will remain in the 70s and low 80s across each evening.

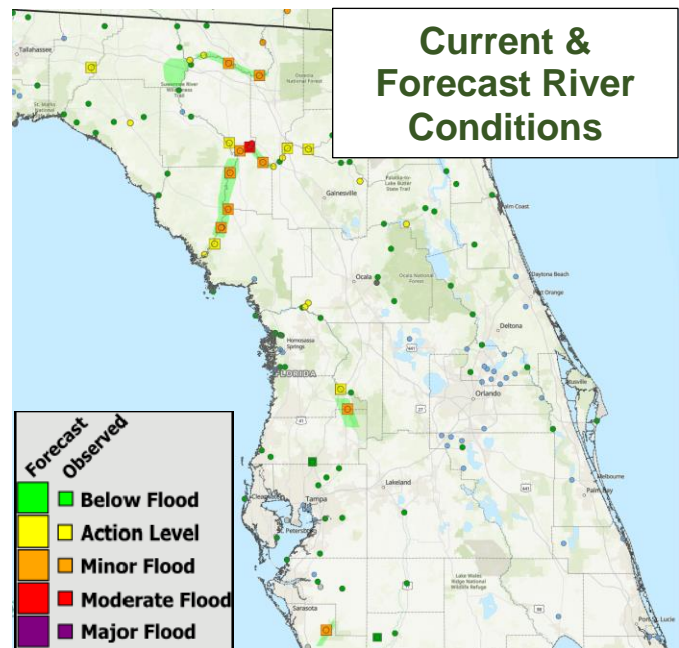


**Hydrology & Flooding:**

The **Areal Flood Warning** remains in effect along Madison County where standing water from rainfall from Hurricane Debby. Any additional rainfall through the next 5 days could exacerbate ongoing flooding. Daily showers and thunderstorms will be capable of producing heavy downpours at times, which could lead to instances of localized flash flooding across urban and low-lying/poor drainage areas at times. Any slow-moving or training showers and thunderstorms over the same areas could also prompt the onset of localized flooding, especially where grounds and soils remain saturated. The Weather Prediction Center (WPC) is outlooking a **Marginal Risk (level 1 of 4) for Flash**

**Flooding** on Saturday across South Florida as rainfall associated with the approaching tropical wave and already saturated grounds and soils could lead to **instances of localized flash flooding** for urban and low-lying/poor drainage areas. Tropical moisture will aid numerous showers and thunderstorms late Friday and again on Saturday across South Florida, and any repeated downpours over urban and low-lying/poor drainage areas could lead to **instances of localized flooding**. Widespread rainfall totals of 3-6" are possible through the next 5 days across the Peninsula, with **locally higher totals** possible. For the latest Flash Flood Outlooks, please visit the [Weather Prediction Center](#).

Several **River Flood Warnings** remain in effect throughout the Suwannee River Valley and West-Central Florida in response to Hurricane Debby earlier this month. **Moderate river flooding** is ongoing and forecast to continue for the [Santa Fe River at Three Rivers Estates](#). While water levels continue to slowly decline through moderate flood stage, **long-term minor flooding** is forecast to continue through the end of the month. **Minor flooding** is forecast to continue for the [Withlacoochee River at US 301 Trilby](#) and the [Myakka River at Myakka River State Park](#). Water levels continue to slowly decline along the Suwannee River and Santa Fe River basins with **minor flooding** ongoing. The [Santa Fe River near Hildreth](#) and [near Fort White](#) are forecast to fall below flood stage later this week. The [Suwannee River at White Springs, near Suwannee Springs, at Rock Bluff, near Wilcox](#) and [at Manatee Springs](#) are forecast to continue to slowly decline and fall below flood stage late this week and over the weekend. Any additional rainfall over these river basins could allow for fluctuations within water levels, which will continue to be monitored. For more details, please visit the [River Forecast Center](#).



Lake Okeechobee's average elevation is 14.07 feet, which is within the operational band and 0.02 feet above normal.

### **Tropical Outlook:**

**Post-Tropical Cyclone Ernesto:** As of 11:00 AM EDT, Ernesto was located about 420 miles east-northeast of Cape Race, Newfoundland and moving northeastward t 37 mph. An even faster east-northeastward motion is expected during the next day or two. Maximum sustained winds are near 70 mph with higher gusts. Some weakening is expected tonight and Wednesday, and post-tropical Ernesto is forecast to merge with a frontal system and dissipate late Wednesday. This is the last public advisory issued by the National Hurricane Center on Ernesto.

For more details, please visit the [National Hurricane Center](http://www.nhc.noaa.gov).

### **Drought & Fire Weather:**

Moderate drought has been completely removed across the Sunshine State on the most recent [Drought Monitor](#) update that was released last Thursday (8/15). Locally heavy rainfall over East-Central Florida led to the final area of moderate drought in Brevard County, which also increased streamflow and lessened rainfall deficits. A small area of abnormally dry (emerging drought) conditions were introduced for Escambia and western Santa Rosa Counties due to recent warm and dry conditions across the Panhandle.

The [Keetch-Byram Drought Index](#) average for Florida is **232 (+8)** on a scale from 0 (very wet) to 800 (very dry). There are **no** Florida counties with an average KBDI over 500 (drought/increased fire danger).

Northwesterly winds on the backside of a stationary frontal boundary draped along the northern Peninsula will bring drier conditions across the Panhandle and western Big Bend on Tuesday and into Wednesday. Relative humidity values will fall into near 35-45% during the late afternoon hours, which could lead to **locally sensitive wildfire conditions** especially for areas where there are abnormally dry conditions. Saturated grounds and soils will keep the overall wildfire threat low through the next 5 days. Throughout the rest of the week, moisture will continue to gradually recover and return to above critical thresholds each day. Daily showers and thunderstorms can be expected across the Peninsula. Any thunderstorm that develops will be capable of producing frequent lightning and erratic winds. According to the [Florida Forest Service](#), there are 13 active wildfires across the state burning approximately 100 acres (as of 13:24 PM EDT).

### **Rip Currents & Marine Hazards:**

Panhandle beaches can expect a **moderate risk for rip currents** through the next 5 days as onshore winds will return by the mid-to-late week. Lingering ocean swells and onshore winds will prompt a **moderate risk for rip currents** along the Florida East Coast through Thursday, with **locally high risks** possible. By Friday and Saturday, a **high risk for rip currents** can be expected to return for the entire East Coast due to developing oceans swells and onshore winds. For the latest Rip Current Outlook, visit [www.weather.gov/beach](http://www.weather.gov/beach).

Lingering ocean swells left behind in the wake of distant Hurricane Ernesto will gradually decline through Tuesday. Wave heights of 1-3' can be expected to return to all beaches across the state on Wednesday. Panhandle and West Coast beaches will continue to see wave heights decline to 1-2' through Thursday evening. Onshore winds will return to the Panhandle Friday and into Saturday allowing for wave heights to increase to 2-3' by Saturday. An ocean swell off the Carolina coastline will develop Thursday afternoon and overnight, allowing for **wave heights** to increase 2-4' Friday and Saturday for the Florida East Coast.

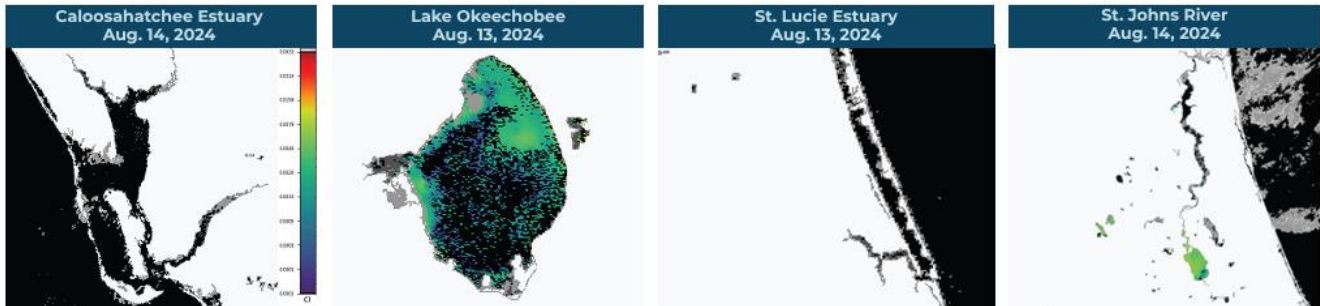
**King Tides** associated with the full moon will lead to **instances of minor coastal flooding** along portions of Southwest Florida near and during times of high tide during the next day or two.



**Coastal Flood Statements** remain in effect for coastal Collier and coastal Mainland Monroe Counties until Tuesday evening. **Instances of localized coastal flooding** near and during high tide cannot be ruled out in the following days after the full moon.

[Red Tide](#) has not been observed at or above background levels over the past week (as of 8/9). There have been no reports of fish kills or respiratory irritation suspected to be related to red tide.

[Blue-Green Algae](#) was observed by samples at 18 of the site visits out of the total 33 samples collected from 8/9 to 8/15. The most usable satellite imagery from 8/13 shows low to moderate bloom potential for Lake Okeechobee, with the highest bloom potential along the northeast quadrant of the lake. Satellite imagery for the St. Johns River from 8/14 shows moderate bloom potential on visible portions of Lake George and Doctors Lake, as well as scattered low bloom potential on the mainstem of the St. Johns River downstream of Lake George. No bloom potential was observed across the Caloosahatchee or St. Lucie Estuaries.



[NWS Mobile Daily Hazards](#)

[NWS Jacksonville Daily Hazards](#)

[NWS Tampa Daily Graphical Hazards](#)

[NWS Key West Daily Hazards](#)

[NWS Tallahassee Daily Graphical Hazards](#)

[NWS Melbourne Daily Graphical Hazards](#)

[NWS Miami Daily Graphical Hazards](#)

For the official National Weather Service forecast, please click on the following cities:

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[Orlando](#) • [Tampa](#) • [Fort Myers](#) • [West Palm Beach](#) • [Miami](#) • [Key West](#)

[Click here for the latest watches, warnings, and advisories from The National Weather Service](#)

For coastal and offshore forecasts throughout Florida and Georgia, please click [here](#).



## Florida NCAA Division I Football Forecast

\*All times are in ET\*



#10 <a href="#">FSU vs. Georgia Tech</a>	Saturday 12:00 PM EDT	Dublin, Ireland
Mixture of sunshine and clouds with possible showers near kickoff with winds of 10-15 mph and gusts of 20-30 mph.		
Kickoff Temperature: 59°	Halftime Temperature: 57°	Final Whistle Temperature: 55°

Have a wonderful rest of the week!

Kennedy Tartt, Assistant State Meteorologist

Florida Division of Emergency Management

[www.FloridaDisaster.org/Weather](http://www.FloridaDisaster.org/Weather)

