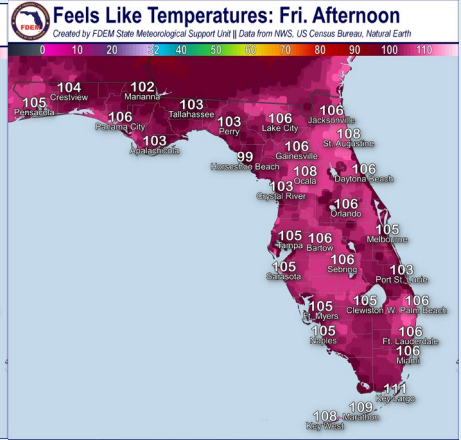
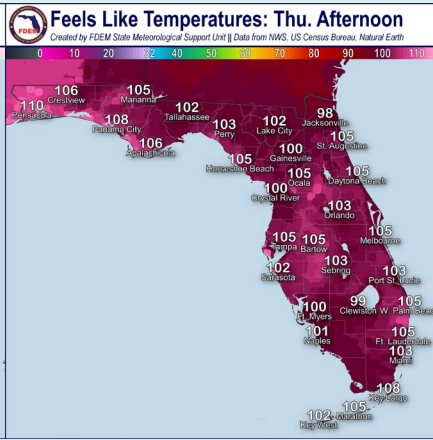
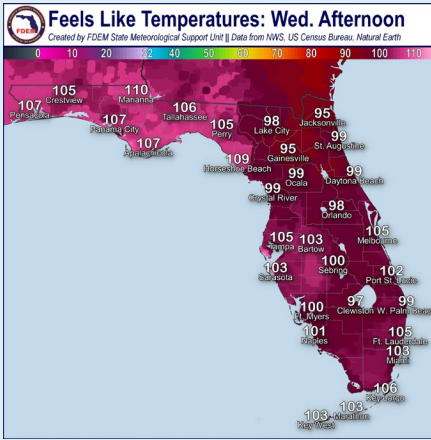


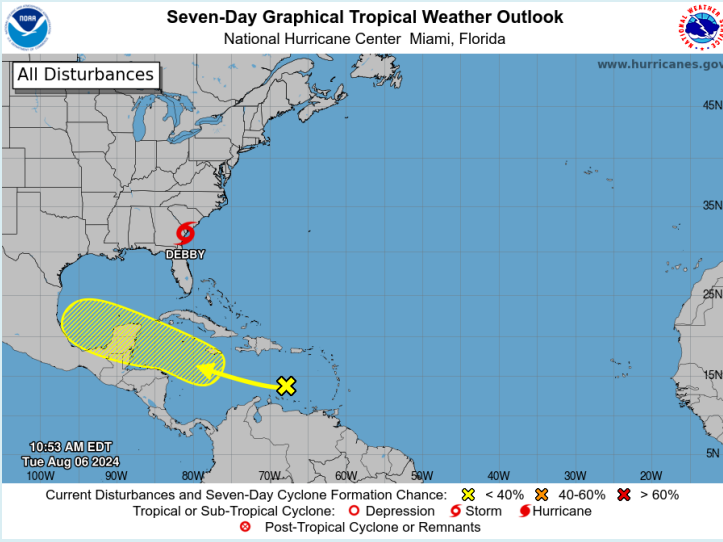
Tuesday, August 6, 2024

5-Day Statewide Weather Outlook

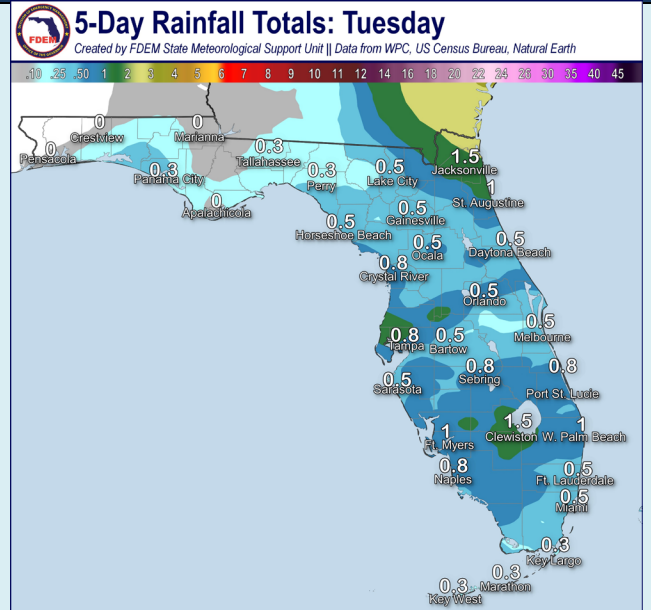
No Threat		Low Threat			Moderate Threat		High Threat	
Day	Lightning	Tornado	Damaging Wind	Hail	Flash Flooding	Excessive Heat	Coastal Flooding	Rip Currents
Tue	Locally Peninsula Big Bend		Locally Iso. Peninsula		Northeast FL Locally Peninsula	W-Panhandle & Keys Statewide	NE Coast & Locally Iso. W-Coast	Statewide Central-E Coast
Wed	Peninsula Big Bend		Locally Iso. Peninsula		N-Peninsula Iso. Statewide	FL Panhandle, W- Central & S FL Statewide	Locally Iso. W-Coast & NE Coast	FL Panhandle & NE Coast E & W-Coast
Thu	Peninsula FL Panhandle		Locally Iso. Peninsula		Big Bend, N & W Peninsula Iso. Statewide	Panhandle & Locally Statewide	Locally Iso. W-Coast & NE Coast	FL Panhandle & NE Coast E & W-Coast
Fri	Locally Peninsula & Big Bend Panhandle		Locally Iso. Statewide		Locally Iso. Statewide	Locally Statewide	Iso. W-Coast & NE Coast	FL Panhandle East Coast West Coast
Sat	Locally Peninsula & Big Bend Panhandle		Locally Iso. Statewide		Locally Iso. Statewide	Locally Statewide		FL Panhandle East Coast West Coast



Forecast Afternoon Feels Like Temperatures: Wednesday, Thursday, and Friday



7-Day Tropical Outlook



Forecast Rainfall Totals: Through Saturday Evening

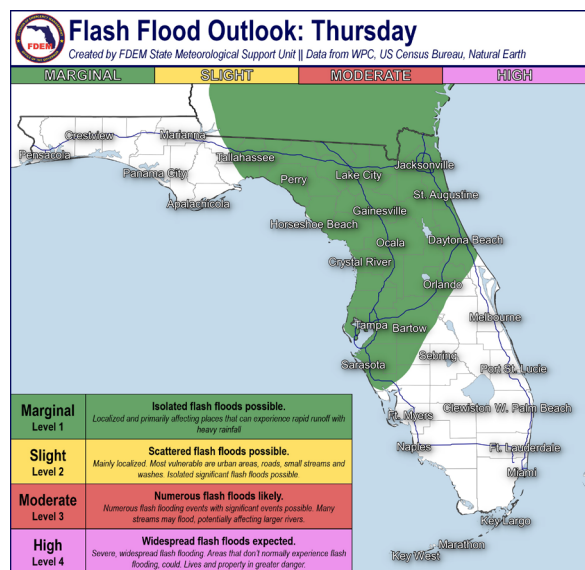
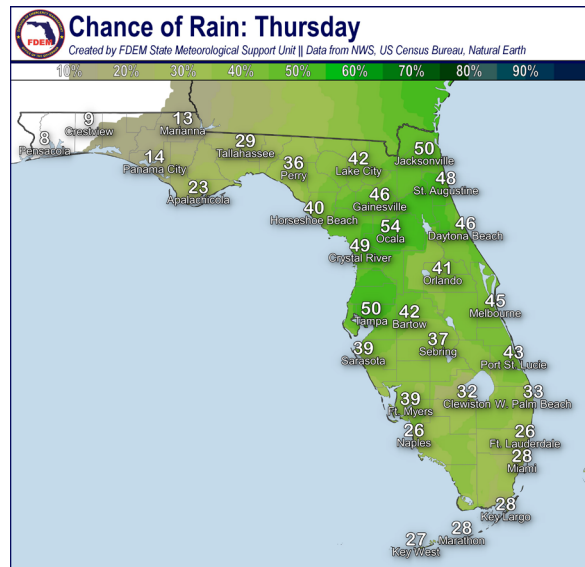


...Scattered Showers and Thunderstorms to Persist Along the Peninsula and Into the Big Bend Over the Next 5 Days...Any Additional Rainfall Over Highly Saturated and Flooded Grounds May Lead to Exacerbated Flood Conditions and Additional Instances of Flooding and Ponding of Water; Marginal to Slight Risk for Flash Flooding...Locally Strong to Severe Thunderstorms Cannot Be Ruled Out During Peak Heating Hours....Drier Conditions Along the Florida Panhandle as High Pressure Builds In To the West...Hot and Humid Conditions to Redevelop Statewide Over the Next 5 Days; Heat Advisories Will Likely Be Necessary Across Portions of the state...Breezy Winds to Continue Across Much Of the State With Wind Gusts Upwards of 20-30 MPH At Times Over the Next Few Days...Numerous River Flood Warnings Have Been Issued For Moderate to Major Flooding Along Several Mainstems and Branches, Including the Suwannee, Santa Fe, Manatee, and Myakka Rivers...Hazardous Beach and Boating Conditions Linger Into Mid-to-Late Week as Elevated Surf and Breezy Winds Linger...

Tuesday – Saturday:

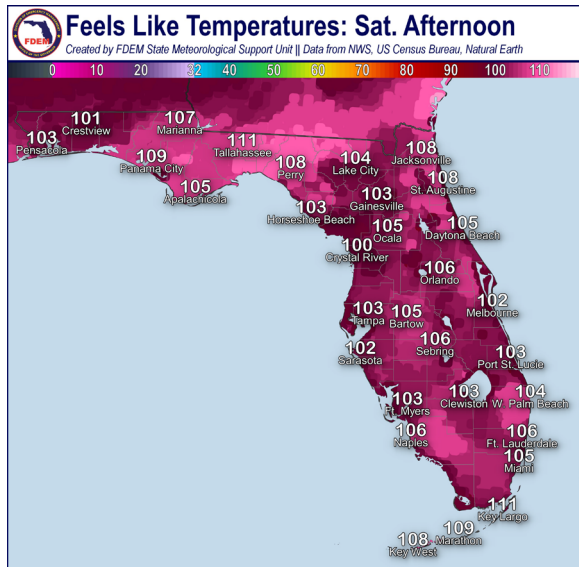
As Debby continues to gradually move eastward and offshore the Georgia coastline, conditions will continue to gradually improve of Northeast Florida. Outer bands from Debby will bring scattered showers and thunderstorms from the Big Bend and throughout the Peninsula due to lingering tropical moisture (60-90% chance of rain). The main concern in the wake of Debby is any additional heavy rainfall over saturated grounds and soils throughout the Big Bend, Northeast Florida and the Peninsula. The Weather Prediction Center (WPC) is outlooking a Moderate Risk (level 3 of 4) for Flash Flooding across Northeast Florida, with the Marginal Risk (level 1 of 4) extending from the I-75 corridor through Lake Okeechobee as any additional heavy rainfall from the slow-moving system could bring additional flooding to already flooded areas. Heavy downpours could lead to instance of localized flash flooding at times, especially for any urban and low-lying/poor drainage areas. The expansive wind field and close proximity of Debby will continue to bring breezy wind gusts across the state. Wind gusts upwards of 15-25 mph can be expected throughout the day at times. Cloud cover and breezy winds will keep high temperatures across Northeast Florida in the middle to upper 80s. Warm and muggy conditions can be expected across the rest of the state as high temperatures will reach the low to middle 90s, and the western Panhandle will see high temperatures in the upper 90s and near triple digits. Heat index values throughout the Big Bend and Northeast Florida will reach the middle to upper 90s, while the rest of the state can expect heat index values in the low to middle 100s. Heat Advisories remain in effect for portions of the western Florida Panhandle and southern Florida Peninsula this afternoon.

Any showers and thunderstorms that develop throughout the day could linger into the evening hours, and possibly the early overnight hours for portions of Northeast Florida, as Debby slowly moves



along the Georgia and South Carolina coastline. Mostly dry conditions can be expected throughout the overnight hours with a few isolated showers or thunderstorms across portions of South Florida. Breezy wind gusts will weaken to 15-20 mph throughout interior portions of the state overnight, but coastal areas, especially the East Coast, could still see wind gusts upwards of 30 mph at times overnight. Low temperatures will fall into the middle to upper 70 throughout interior regions across the state, and upper 70s to middle 80s across coastal areas and the Keys.

As Debby still remain in our view through the remainder of the forecast period, as the storm is forecast to remain far enough north of the Sunshine State that modestly drier air should get filtered into



the region during the midweek timeframe. Rain chances are lowered across the Florida Panhandle and Peninsula through Thursday (30-50% chance of rain) as continued breezy west flow will make it difficult to support the development of the Atlantic afternoon sea breeze. Moisture returns to the Florida Peninsula on Friday into the weekend, with a typical summertime pattern returning to set the stage for next week. Any additional rainfall that may accompany daily summertime showers and thunderstorms would quickly induce instances of **localized flash flooding** for any North or West Florida location. Rain chances greater than 60% return to the statewide forecast this weekend; while organized severe thunderstorms are not outlooked, isolated thunderstorms during the peak heating hours of the day will pose the risk for lightning, locally heavy rainfall, and gusty winds.

The primary concern throughout the forecast period will be temperatures, especially for responders and residents that was in the direct path of Debby. Temperatures above normal can be expected for the next 6-10 days, with **triple digit heat indices** each afternoon. Everyone participating in post-storm cleanup and response/recovery must practice heat safety, especially across communities that are still without power.

- Dress for the heat. Wear lightweight, light-colored clothing. Light colors will reflect away some of the sun’s energy. It is also a good idea to wear a hat or to use an umbrella.
- Drink water. Take water or juice with you and drink continuously even if you do not feel thirsty.
- Slow down and avoid strenuous activity. If you must do strenuous activity, do it during the coolest part of the day – morning hours.
- Stay indoors when possible. If air conditioning is not available, stay on the lowest floor out of the sunshine or find a local cooling center.
- Be a good neighbor. Check in on elderly residents in your neighborhood and those who do not have air conditioning.
- Don’t forget your pets. Make sure they have access to water, ventilation and shade.

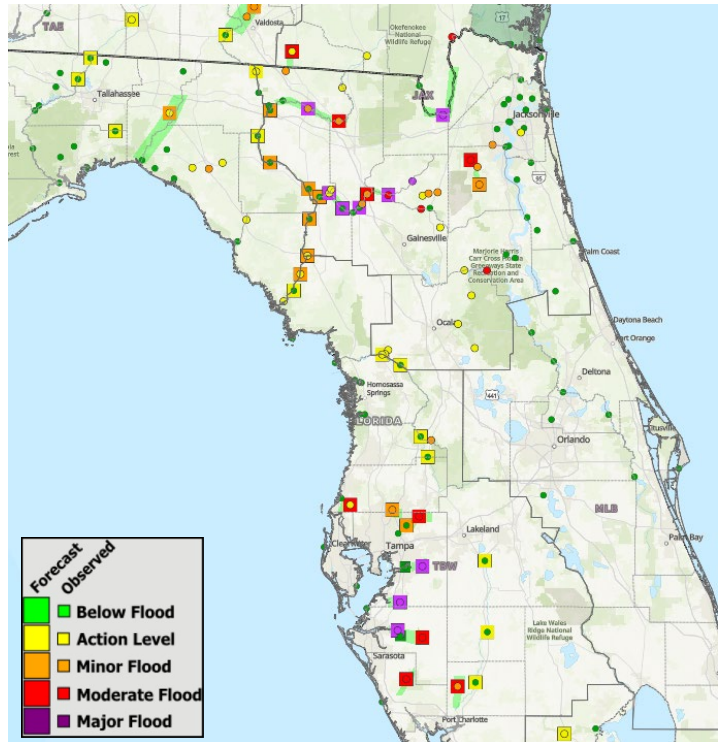
Hydrology & Flooding:

The Weather Prediction Center (WPC) is outlooking a **Moderate Risk (level 3 of 4) for Flash Flooding** along Northeast Florida where Debby remains within close proximity and will bring additional heavy rainfall throughout the day. The **Slight Risk (level 2 of 4) for Flash Flooding** extends just south of the moderate through Northeast Florida. There is a Marginal Risk (level 1 of 4) extending from the I-75 corridor through Lake Okeechobee as outer bands from Debby will extend southward and bring additional scattered showers and thunderstorms throughout the day due to lingering moisture. Grounds and soils are very saturated following heavy rainfall over the last 48 hours before and after landfall, and any additional rainfall may **exacerbate the potential for additional flooding**. Any heavy downpours over urban and low-lying/poor drainage areas could bring **instances of flash flooding**. A



Flood Watch remains in effect for portions of Northeast Florida through this evening. A Marginal Risk for Flash Flooding persists across the Northern Peninsula Wednesday and across the Big Bend, Northern Peninsula, and south to along the I-4 corridor Thursday as scattered showers and thunderstorms persisting over heavily saturated and flooding grounds persist. There is no organized risk for flash flooding Friday or Saturday; however, instances of **flooding** and **ponding of water** still cannot be ruled out with heavy downpours over already saturated grounds and along urban and low-lying/poor drainage areas. For the latest Flash Flood Outlooks, please visit the [Weather Prediction Center](#).

With heavy rainfall from Debby, rivers are already beginning to rise in response across the Big Bend, Northeast and West Florida. Numerous **River Flood Warnings** are in effect as rainfall deposits into the river basins. **Major river flooding** is ongoing along the Little Manatee River near Wimauma at US-301 for several forecast points along the Manatee River, while **moderate riverine flooding** is forecast for additional rivers and creeks across West-Central Florida. **Moderate to major flooding** is occurring or forecast to occur over the next several days along the Santa Fe River, Suwannee River and St. Mary's at Macclenny. Additional rises within water levels can be expected over the next several days in response to the heavy rainfall. Flood Warnings will likely be issued further downstream along the Suwannee River and Santa Fe Rivers as water continues to filter through the river basins and further downstream. Updates to river forecasts can be expected over the coming days. For more details, please visit the [River Forecast Center](#).



Lake Okeechobee's average elevation is 13.75 feet, which is within the operational band and 0.08 feet below normal.

Tropical Outlook:

Tropical Storm Debby: As of 2:00 PM EDT, Tropical Storm Debby was located about 10 miles south of Savannah, Georgia and moving east-northeastward at 6 mph. A slow motion toward the east and then north is expected through Thursday night. On the forecast track, the center of Debby is expected to move offshore the coast of Georgia later today, drift offshore through early Thursday, and then move inland over South Carolina on Thursday. Maximum sustained winds are near 40 mph with higher gusts. Some strengthening is forecast on Wednesday and Thursday while Debby drifts offshore.

Western Caribbean Sea and Southwestern Gulf of Mexico: Showers and thunderstorms associated with a tropical wave located over the east-central Caribbean Sea have diminished in coverage and intensity since this morning. Any development of this system should be slow to occur during the next couple of days while it moves westward over the central Caribbean Sea. Environmental conditions are expected to become more conducive for development later this week as



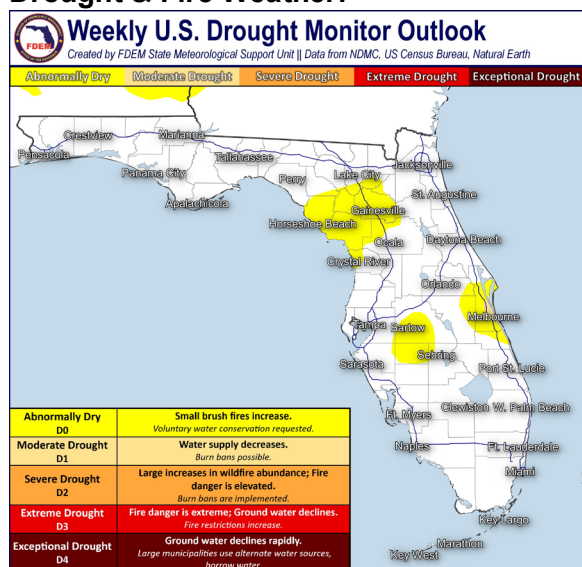
the system moves across the western Caribbean Sea or the southern Gulf of Mexico. *This system poses no direct threat to Florida.*

*Formation chance through 48 hours...**low...10%**.

*Formation chance through 7 days...**low...30%**.

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

Drought & Fire Weather:



Conditions have continued to improve over the past week as much of the Southeast U.S. received 2-4” of heavy rainfall, despite continued at or above-normal temperatures. This brought wide-spread improvements on this week’s [Drought Monitor](#) update (8/1) as soil moisture and streamflows improved. Abnormally dry conditions remain in place across southern and central portions of the Suwannee Valley with an isolated pocket between Bartow and Sebring. A pocket of abnormally dry to **moderate drought** conditions remains in place near Melbourne. Above normal temperatures and above normal rainfall are expected across much of the state over the next week. 60-Day rainfall deficits remain near 2-5” across the Suwannee Valley, between Bartow and Sebring, and near Melbourne with pockets of higher values upwards of 5-7”. Deep tropical moisture with PTC4 will give way to heavy to torrential downpours

across the state and will likely allow for further improvements to drought conditions over the next week.

The [Keetch-Byram Drought Index](#) average for Florida is **70 (-1)** 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).

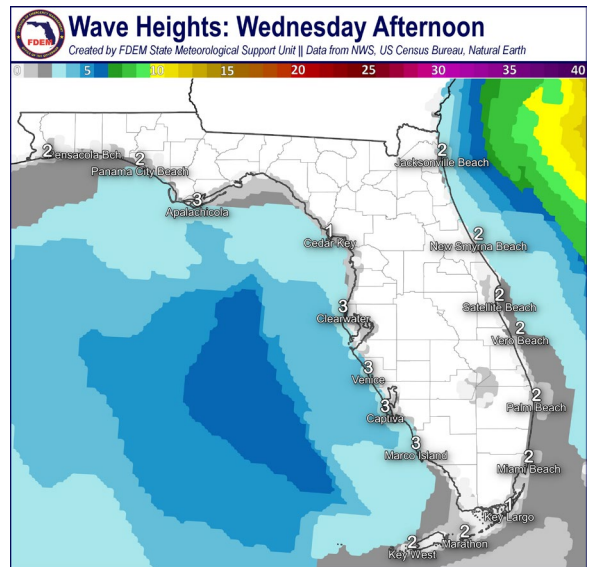
With high pressure and drier air to the west building eastward over the Florida Panhandle, relative humidity values will fall as low as 35-45% across the Panhandle and into the Western Big Bend over the next 5 days, creating **sensitive wildfire conditions** in the afternoons. The rest of the state will see minimal wildfire conditions through the period with saturated grounds and abundant moisture continuing to flow across the state. According to the [Florida Forest Service](#), there are 8 active wildfires across the state burning approximately 151 acres (as of 3:55 PM EDT).

Rip Currents & Marine Hazards:

A **moderate to high risk for rip currents** will persist across the state over the next 5 days as elevated surf and breezy winds persist behind Tropical Storm Debby. The West Coast may return to a low to **moderate risk** within the next day or so. For the latest Rip Current Outlook, visit www.weather.gov/beach.



Dangerous ocean swells along the Florida Big Bend and West Coast will linger throughout the day creating **wave heights of 3-6'**, and a **High Surf Advisory** remains in place through this evening. The western Panhandle can anticipate wave heights of 2-4' due to onshore winds in the wake of Debby. **Large and dangerous ocean swells of 6-8'** can be expected along the Northeast Florida and southward into Space Coast, with larger **breaking waves upwards of 10'** within the surf zone. A **High Surf Advisory** remains in effect for Northeast Florida beaches through tonight. The rest of the East Coast will see wave heights of 2-4'. 1-4' wave heights will return statewide Wednesday through Saturday with **5-6' waves** possible further offshore.



Coastal Flood Advisories remain in effect along portions of the Northeast Florida coastline as elevated surf along the coastlines could lead to instances of **minor coastal flooding** near and during times of high tide. Minor beach and coastal erosion are possible, especially for vulnerable beaches. Elevated tides and will likely continue along Florida Gulf coast beaches and along the Northeast Coast over the next few days as breezy winds and ocean swells linger behind Tropical Storm Debby. Localized instances of **minor coastal flooding** cannot be ruled out.

Red Tide has not been observed at or above background levels over the past week (as of 8/2). There have been no reports of fish kills or respiratory irritation suspected to be related to red tide.

Blue-Green Algae was observed on the most recent satellite imagery from 8/1, although partially obscured by cloud cover, at low to **moderate bloom potential**, with the highest bloom potential in the northwest quadrant of the lake. Satellite imagery of the St. Johns River obtained on 7/27 and partially obscured by cloud cover showed **moderate bloom potential** on visible portions of Lake George, scattered low bloom potential on the mainstem of the St. Johns River downstream of Lake George and low to **high bloom potential** on visible portions of Doctors Lake. Satellite imagery obtained on 7/30 and partially obscured by cloud cover showed no bloom potential in visible portions of 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](#).

Have a wonderful rest of the week!

Caitlyn Gillespie, Deputy State Meteorologist
 Melissa James, Assistant State Meteorologist
 Florida Division of Emergency Management
www.FloridaDisaster.org/Weather

