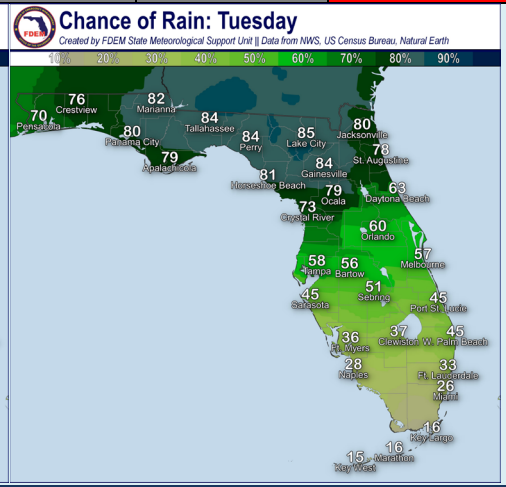
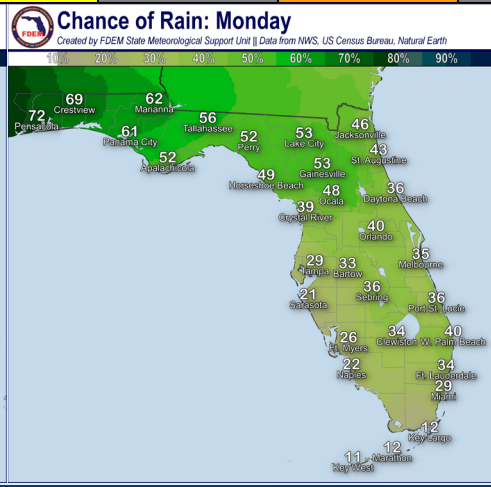
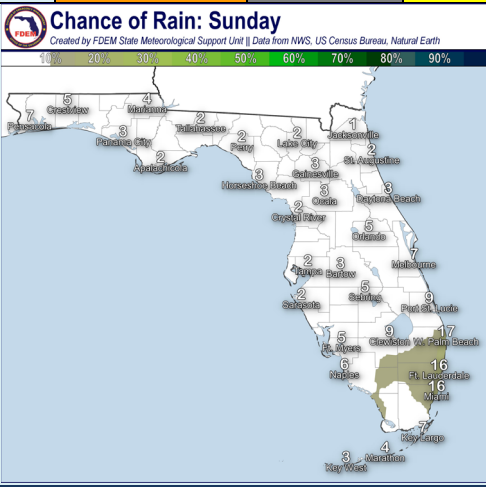


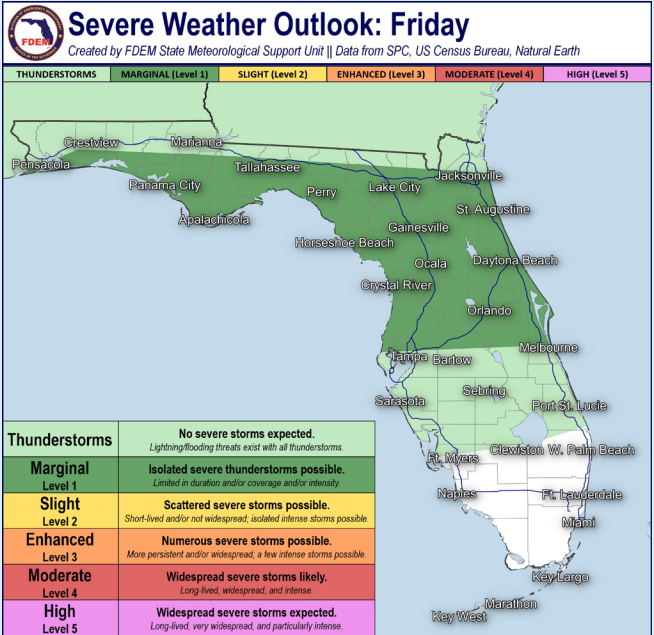
Friday, May 10, 2024

5-Day Statewide Weather Outlook

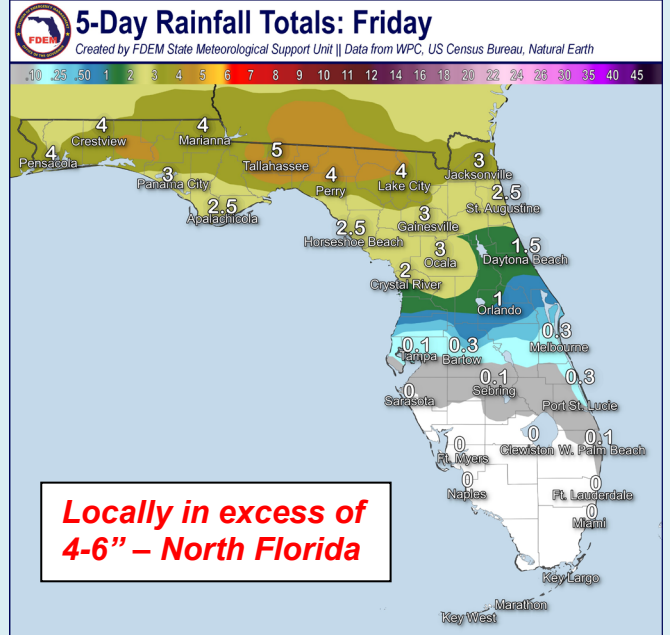
| No Threat | | Low Threat | | Moderate Threat | | High Threat | | |
|-----------|--|---------------------------------|-------------------------|---------------------------------|---------------------------------------|-------------------------------|--------------------------------------|---|
| Day | Lightning | Tornado | Damaging Wind | Hail | Flash Flooding | Excessive Heat | Wildfire | Rip Currents |
| Fri | North Florida Elsewhere | Iso. North Florida | South of I-10 to I-4 | South of I-10 to I-4 | Iso. North Florida | E & Interior Peninsula & Keys | Locally Central & S FL | Panhandle E & CW Coast W-Coast |
| Sat | Locally S & Central FL | | Iso. S & Central FL | | | South FL & Keys | Central Florida North Florida | Panhandle Statewide Locally |
| Sun | | | | | | | Locally Peninsula FL Panhandle | Panhandle E-Coast W-Coast |
| Mon | FL Panhandle Statewide | Locally Iso. FL Panhandle | FL Panhandle | Locally Iso. FL Panhandle | Panhandle North FL | | Locally W-Central FL | Statewide Locally |
| Tue | Locally N & Central FL Elsewhere | Locally Iso. FL Panhandle | Locally FL Panhandle | Locally Iso. FL Panhandle | Big Bend & N-Peninsula North FL | | Locally Int. Central FL | Panhandle, W & NE Coast Elsewhere |



Chance of Rain: Sunday, Monday, Tuesday



SPC Severe Weather Outlook: Friday



Forecast Rainfall Totals Through Tuesday Night

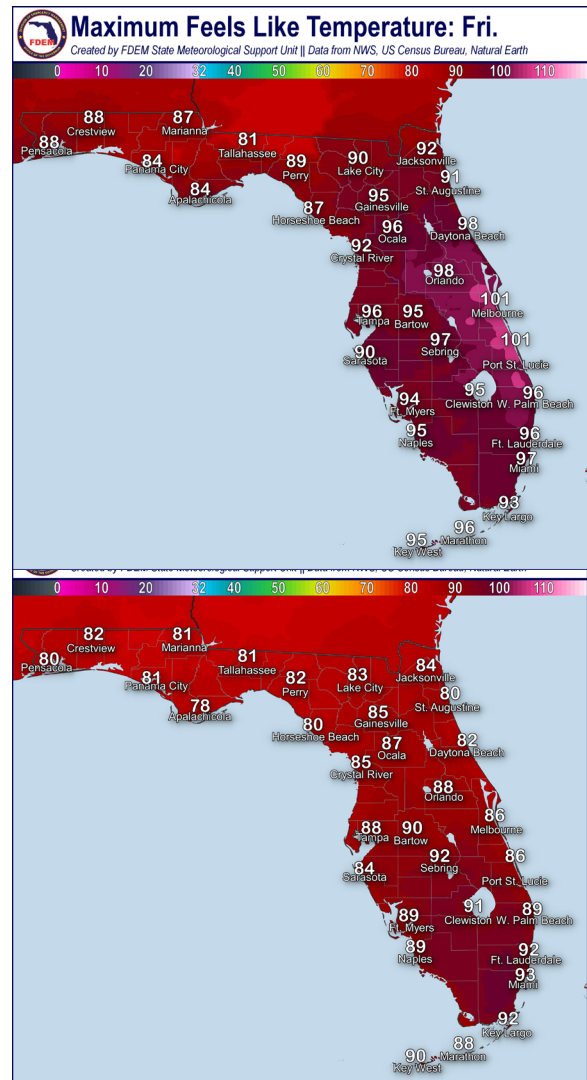


...Isolated to Scattered Showers and Thunderstorms Linger Statewide This Afternoon Following Active Weather Observed This Morning...Marginal Risk for Severe Weather Remains in Place Across Much of North Florida and South to I-4; Damaging Wind Gusts, Hail, and Heavy Downpours Remain Possible...Calmer and Slightly Cooler Conditions Expected This Weekend...Rain Chances and Possibility for Severe Weather Returns Early Next Week...Marginal to Slight Risk for Flash Flooding Across North Florida Monday and Tuesday...Wind Gusts Upwards of 20-30 MPH Outside of Thunderstorms Today, Calming This Weekend and Re-Strengthening Early Next Week...Heat Indices Approaching and Reaching Triple Digits Across Portions of Central and South Florida Through the Period...Red Flag Warnings In Effect For Portions of West-Central Florida This Afternoon...Elevated to Locally Critically Wildfire Conditions Across Portions of Central and South Florida and Sensitive to Locally Elevated Wildfire Conditions Across North Florida At Times Over the Next 5 Days...Moderate to High Risk For Rip Currents Generally Statewide Over the Next 5 Days...

Friday-Sunday:

A line of strong to severe thunderstorms made their way through North Florida this morning, producing wind gusts in excess of 55-70 mph and several tornadoes. There have been reports of utility disruptions and widespread power outages, multiple trees and powerlines down on roadways, and damage to homes and businesses in several counties along the Florida Panhandle, including Santa Rosa and Leon County. Showers and thunderstorms have redeveloped along the frontal boundary and currently stretch across North Florida, continuing to move southeastward towards the I-4 corridor this afternoon (55-near 100% chance of rain). The Storm Prediction Center (SPC) has maintained a **Marginal Risk (level 1 of 5) for Severe Weather** along south of I-10 through North Florida and south to a line from Tampa to Melbourne as a few **strong to severe thunderstorms** producing damaging wind gusts (45-65 mph), and isolated instances of hail may still be possible throughout the day. Heavy downpours may give way to instances of **flooding** and **ponding of water** over urban and low-lying/poor drainage areas, especially with multiple rounds of heavy rainfall and training storms. Isolated to scattered showers and thunderstorms will linger along the Peninsula this evening, gradually dissipating through the overnight hours tonight (15-45% chance of rain). Calmer conditions are anticipated this weekend with isolated to scattered showers and thunderstorms lingering across Central and South Florida as the frontal boundary settles across South Florida and high pressure builds back into the north (10-35% chance of rain).

High temperatures will continue to reach the 80s and **90s** across the state over the next 3 days. Heat indices will continue to approach or reach **triple digits** across portions of Central and South Florida over the next 3 days. **Wind gusts upwards of 20-30 mph** are expected to continue at times across North and Central

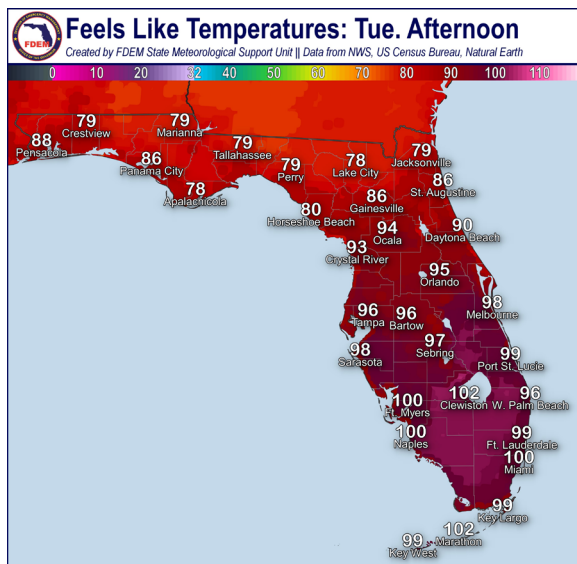


Florida today outside of thunderstorms while the rest of the state sees **wind gusts remain near 15-25 mph**. Breezy winds will linger into Saturday with **gusts near 15-20 mph** statewide but begin to calm Sunday with **15-20 mph wind gusts** remaining possible along Central and South Florida. **Red Flag Warnings** have been issued for several counties Northeast of Lake Okeechobee for this afternoon as **near to below critical relative humidity values** and breezy winds create **critical fire weather conditions**. **Sensitive to elevated wildfire conditions** will persist nearly statewide at times this weekend and **Red Flag Warnings** cannot be ruled out Sunday along the Western Peninsula. Low temperatures will fall into the 60s across North Florida and 70s elsewhere over the next 3 days.

Monday – Tuesday:

Rain chances return early next week as an area of high pressure building over the Eastern U.S. shifts eastward over the Atlantic, allowing the frontal boundary settling southward and over South Florida to strengthen and move back northward through the state. Scattered showers and thunderstorms will develop across South and Central Florida Monday (30-65% chance of rain) with isolated to scattered showers and thunderstorms elsewhere (10-25% chance of rain). By Tuesday, abundant moisture returning across the state with southeasterly to southerly flow will give way to scattered to numerous showers and thunderstorms across North and Central Florida as the frontal boundary lifts northward (50-85% chance of rain). The Southern Peninsula and Keys will remain slightly drier Tuesday behind the frontal boundary (15-45% chance of rain). Although a severe weather outlook has not yet been issued for the period, **strong to severe thunderstorms** will be possible across North and Central Florida Monday and Tuesday. The Weather Prediction Center (WPC) is outlooking a **Slight Risk (level 2 of 4) for Flash Flooding** along the Panhandle and Western U.S. and a **Marginal Risk (level 1 of 4)** across the rest of North Florida Monday. WPC maintains a **Slight Risk for Flash Flooding** across the Big Bend and Northern Peninsula Tuesday with a **Marginal Risk** through the Panhandle and south to I-4 Tuesday. Heavy rainfall over along saturated grounds and over urban and low-lying/poor drainage areas may lead to instances of **localized flooding** and **ponding of water**.

Widespread cloud cover and rainfall over the state will keep conditions relatively cooler early next week with highs in the low to middle 80s across North Florida and upper 80s to **middle 90s** across Central and South Florida. **Heat indices** will continue to **approaching and reaching triple digits (97-103)** across Southwest Florida and the Keys Monday and South Florida and the Keys Tuesday. Winds will turn back to the south and southeast Monday and Tuesday, restrengthening to 10-15 mph with **higher gusts** as they pull in more abundant moisture across the state. **Sensitive to elevated wildfire conditions** will continue along the Western Peninsula Monday; however, relative humidity values will rebound sufficiently Tuesday for the area to return to a minimal wildfire risk. **Red Flag Warnings** cannot be ruled out Monday along areas experiencing ongoing drought conditions.



Low temperatures will fall into the upper 60s to low 70s across North Florida, low to middle 70s across Central Florida, and upper 70s to low 80s across South Florida and the Keys Monday night. Conditions will remain warmer Tuesday night behind the northward lifting frontal boundary with upper 60s to low 70s across North Florida, middle to upper 70s across Central Florida, and upper 70s to low 80s across South Florida and the Keys.

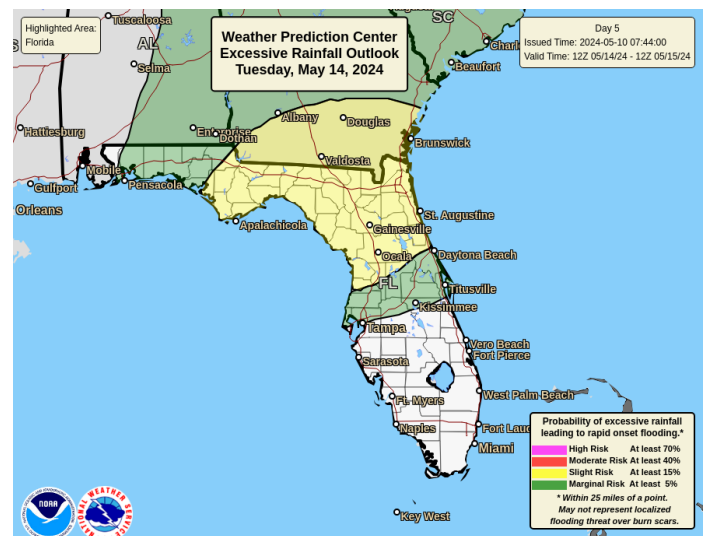
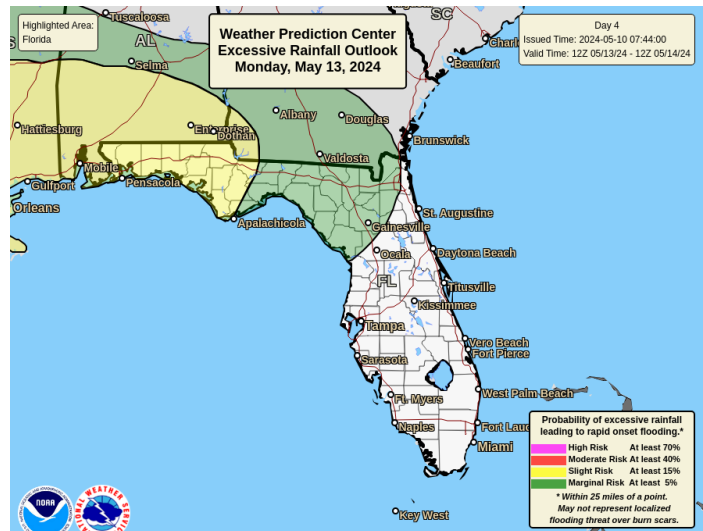
Hydrology & Flooding:



A line of strong to severe thunderstorms made their way through North Florida this morning, producing wind gusts in excess of 55-70 mph and several tornadoes. There have been reports of utility disruptions and widespread power outages, multiple trees and powerlines down on roadways, and damage to homes and businesses in several counties along the Florida Panhandle, including Santa Rosa and Leon County. Showers and thunderstorms have redeveloped along the frontal boundary and currently stretch across North Florida, continuing to move southeastward towards the I-4 corridor this afternoon. While the Weather Prediction Center (WPC) has removed all organized flash flood risks for today, continued heavy downpours may lead to isolated instances of **flooding** and **ponding of water** over urban and low-lying/poor drainage areas, especially with areas receiving multiple rounds of heavy rainfall and in training storms. Widespread rainfall totals are expected to remain 1-2" today with **locally higher totals** in excess of 2-4" possible. Flooding is not anticipated over the weekend as the frontal boundary weakens, sinking southward through the state and settling across South Florida but continuing to yield isolated to scattered showers across Central and South Florida. Dry conditions will temporarily return to North Florida as high pressure builds in over the Eastern U.S. Rain chances return early next week as this area of high pressure shifts eastward over the Atlantic, allowing the frontal boundary to strengthen and move back northward through the state. WPC is outlooking a **Slight Risk (level 2 of 4) for Flash Flooding** along the Panhandle and Western U.S. and a **Marginal Risk (level 1 of 4)** across the rest of North Florida Monday. WPC maintains a **Slight Risk for Flash Flooding** across the Big Bend and Northern Peninsula Tuesday with a **Marginal Risk** through the Panhandle and south to I-4 Tuesday. Heavy rainfall over along saturated grounds and over urban and low-lying/poor drainage areas may lead to instances of **localized flooding** and **ponding of water**. Over the next 5 days, widespread rainfall totals are expected to be near 2-4" across North Florida and near or below 1-2" elsewhere with **locally higher totals** in excess of 4-6" across North Florida and 2-4" elsewhere possible. For the latest Excessive Rainfall Outlook, please visit the [Weather Prediction Center](#).

Portions of several Big Bend and Suwannee Valley rivers (including several portions of the Suwannee River) remain in Action Stage (bank-full); however, water levels are continuing to fall. While heavy rainfall yesterday and today may lead to rises in water levels and introduce some riverine concerns, the timing and extent of any potential riverine flooding remains uncertain at this time. For more details, please visit the [River Forecast Center](#).

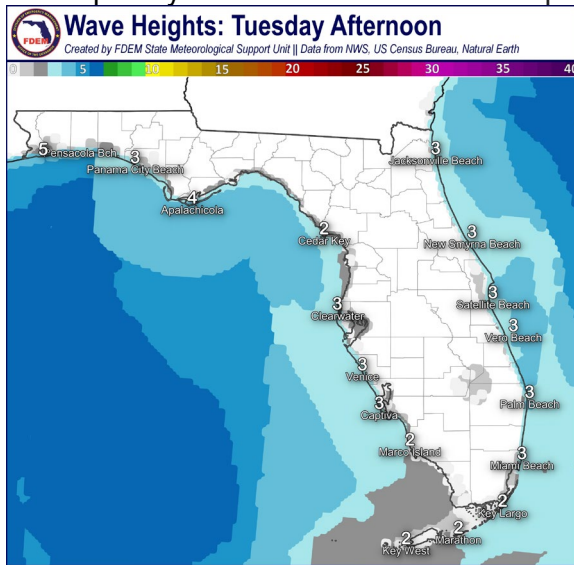
Lake Okeechobee's average elevation is 13.90', which is within the operational band and 0.49' above normal. Lake elevations have fallen approximately 0.26' over the past week and approximately 1.09' over the past 30 days. Near to above normal temperatures and limited rainfall across South and Central Florida over the next 5 days will likely allow water levels to continue falling.



Warnings have been issued for several counties Northeast of Lake Okeechobee for this afternoon as **near to below critical relative humidity values (30-40%)** and breezy winds create **critical fire weather conditions** along eastern and interior portions of the Central and Southern Peninsula thanks to lingering dry air, warm conditions, and breezy winds developing, especially where short-term drought conditions have emerged. **Elevated to near-critical wildfire conditions** will be possible at times over the next 5 days across Central and South Florida with **sensitive to locally elevated wildfire conditions** across North Florida as drier air settles in and pulls **relative humidity values down as low as 25%** thanks to high pressure building in over the Eastern U.S. behind the frontal boundary. **Red Flag Warnings** cannot be ruled out across portions of Central and South Florida where short-term drought conditions and rainfall deficits persist. According to the [Florida Forest Service fire dashboard](#), there are 50 active wildfires across the state burning approximately 1465 acres (as of 2:35 PM EDT).

Rip Currents & Marine Hazards:

A **moderate to high risk for rip currents** will generally persist along the Florida Panhandle and East Coast with a low to **moderate risk** expected along the West Coast over the next 5 days as longer-period swells impact the coastlines this weekend and breezy, and at times gusty, winds likely develop early next week. For the latest Rip Current Outlook, visit www.weather.gov/beach.



Wave heights will remain near 1-3' statewide through Monday with **locally 4' breaking waves** possible along the Florida Panhandle and East Coast at times. The frontal boundary that has brought severe weather to North Florida today will make its way southward through the state and settle across North Florida through the weekend as high pressure builds back in over the Eastern U.S. This area of high pressure will shift eastward over the Atlantic Monday and Tuesday, allowing the frontal boundary to strengthen and move back northward through the state. The northward moving frontal boundary will allow winds to strengthen across the state Monday and Tuesday, building ocean swells in the Gulf of Mexico and along the Florida East Coast. **Large breaking waves near 3-6'** are anticipated to develop along the Florida Panhandle by Tuesday afternoon with **3-5' breaking**

waves along the West and Northeast Coasts. High Surf Advisories will likely be issued for Florida Panhandle beaches as hazardous beach and boating conditions develop Tuesday. All other beaches can expect **wave heights** to remain near 2-3' Tuesday.

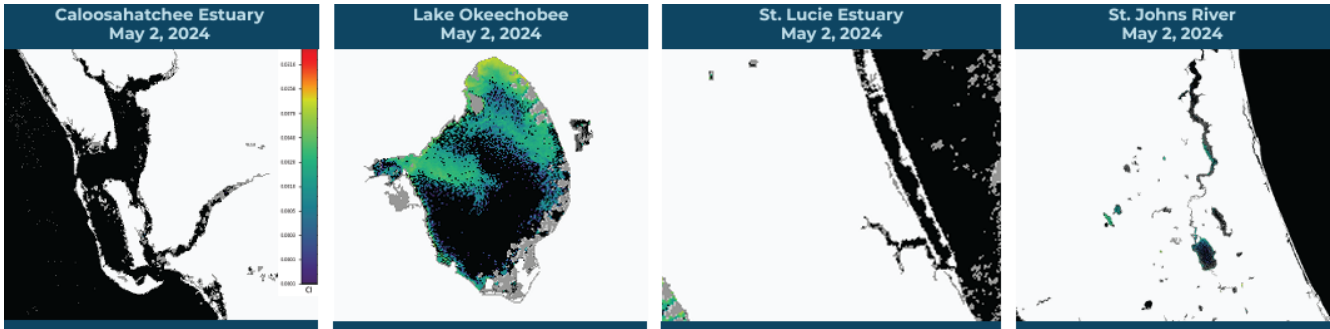
Coastal flooding is not anticipated through the weekend; however, onshore winds may be breezy at times along the vulnerable Forgotten and Nature Coasts and will likely result in **elevated water levels (0.5-1.75' above normal)** at times of high tides. Localized **minor coastal flooding** and **minor beach erosion** cannot be ruled out along portions of the Florida Panhandle early next week as breezy onshore winds develop, and ocean swells impact the coastline.

Red Tide has not been observed at or above background levels over the past week. The sample was collected at the Pensacola Beach Pier in Escambia County. There have been no reports of fish kills or respiratory irritation suspected to be related to red tide.

Blue-Green Algae was observed via satellite on 5/2, although slightly obscured by cloud cover, at low to **moderate bloom potential** on approximately 45% of Lake Okeechobee, mostly in the northern half of the lake. Satellite imagery of the St. Johns River from 5/2 showed scattered low to **moderate bloom potential** from Lake George downstream to Orange Park. Satellite imagery also



obtained on 5/2 and partially obscured by cloud cover showed no visible bloom potential along the Caloosahatchee Estuary or St. Lucie Estuary.



[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](#)

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

Have a wonderful weekend!

Melissa James, Assistant State Meteorologist

Florida Division of Emergency Management

www.FloridaDisaster.org/Weather

