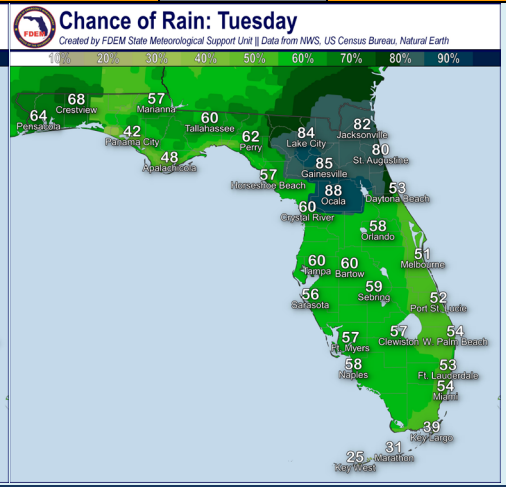
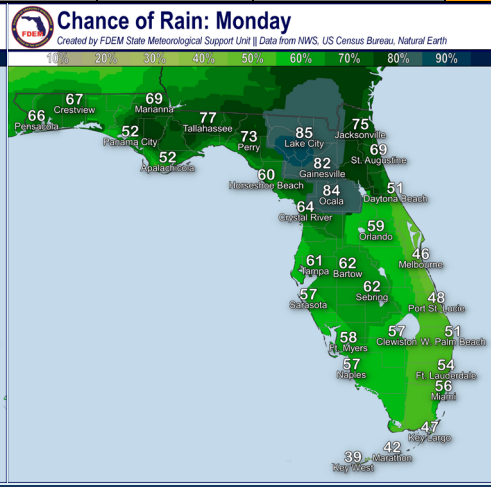
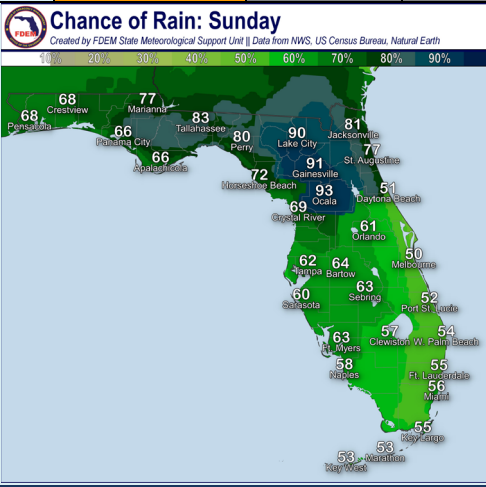


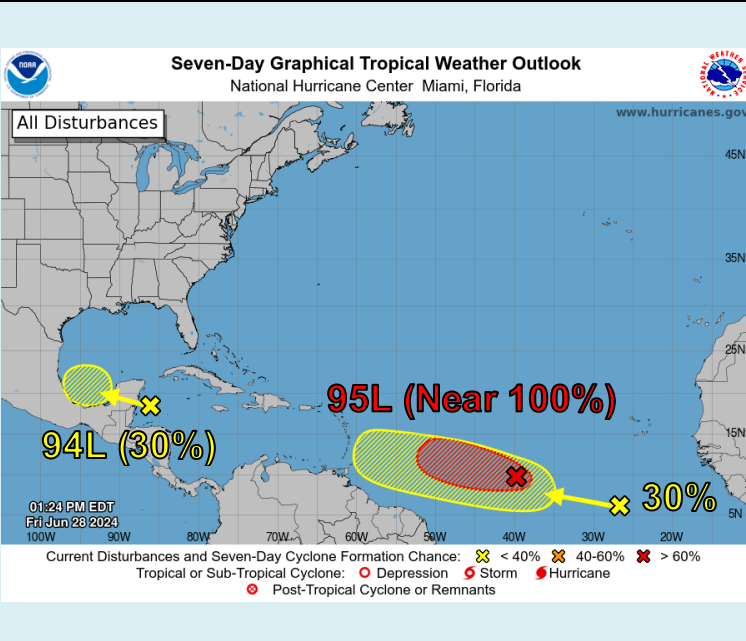
Friday, June 28, 2024

5-Day Statewide Weather Outlook

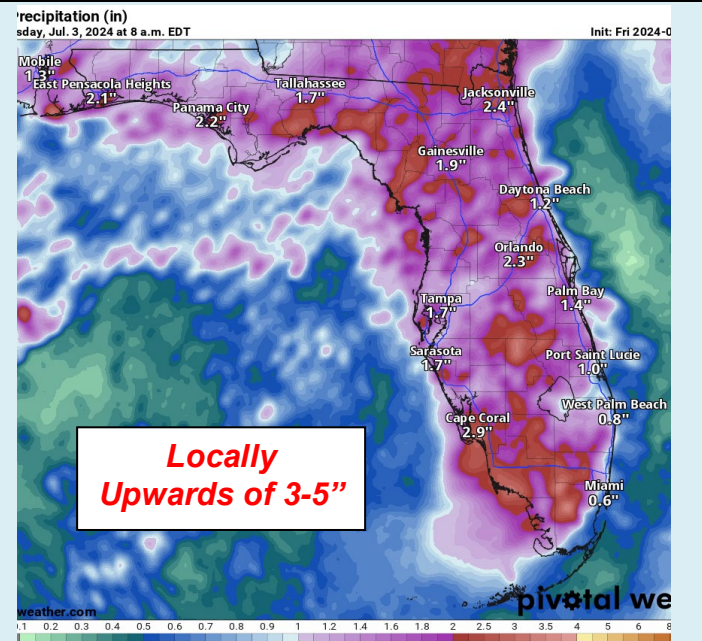
No Threat		Low Threat		Moderate Threat		High Threat		
Day	Lightning	Tornado	Damaging Wind	Hail	Flash Flooding	Excessive Heat	Fire Weather	Rip Currents
Fri	Statewide Keys		Locally Iso. Statewide		Locally Iso. Statewide	N-Peninsula Statewide		Locally Statewide West Coast
Sat	Statewide E-Panhandle & Keys		Locally Iso. Statewide		Locally Iso. Statewide	N & WC FL, & Keys Statewide		Locally Statewide West Coast
Sun	Statewide E-Coast & Keys		Locally Iso. Statewide		Locally Iso. Statewide	Locally N & WC FL Statewide		Panhandle Statewide Locally
Mon	Statewide E-Coast & Keys		Locally Iso. Statewide		I-10 Corridor in N-Peninsula Iso. Statewide	North FL W-Central FL Statewide		Panhandle Statewide Locally
Tue	Statewide Keys		Locally Iso. Statewide		Locally Iso. Statewide	Locally N & WC FL Statewide		Panhandle Statewide West Coast



Chance of Rain: Sunday, Monday, Tuesday



NHC 7-Day Graphical Tropical Weather Outlook



Forecast Rainfall Totals: Through Tuesday Night



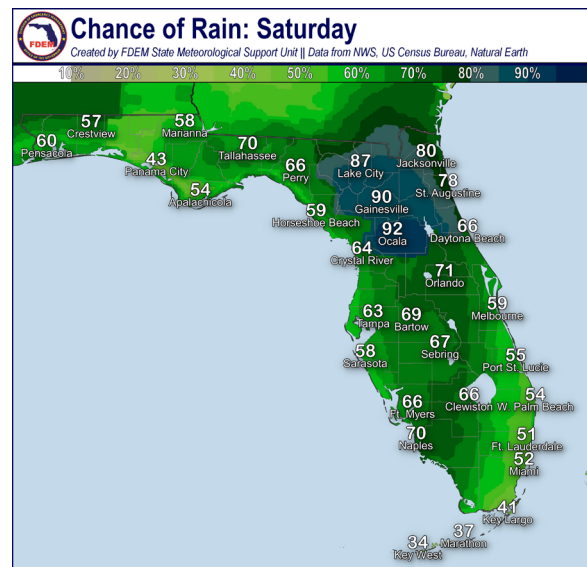
...Enhanced Shower and Thunderstorm Activity Will Persist Across North Florida Thanks to Upper-Level Disturbances, Frontal Boundaries, and Sea Breezes...Scattered Showers and Thunderstorms Along the Peninsula With Sea Breezes...A Few Strong to Severe Thunderstorms Capable of Producing Frequent Lightning, Gusty Winds, and Heavy Downpours May Be Possible Statewide...Heavy Downpours and Slow-Moving Storms May Result In Instances of Localized Flooding Over Urban and Low-Lying/Poor Drainage Areas...Marginal Risk For Flash Flooding Along the I-10 Corridor In the Northern Peninsula Tuesday...Heat Indices Will Continue to Rise Into the Upper 90s To Triple Digits (100-112) Nearly Statewide...Heat Advisories In Effect Across South Florida Today...Heat Advisories And Excessive Heat Warnings May Be Issued For Portions Of The State This Weekend and Early Next Week... Moderate to High Risk For Rip Currents Along Panhandle and East Coast...Invest 95L Has A High (Near 100%) Chance of Development Through 48 Hours; No Direct Threat to Florida Over The Next 7-10 days But Will Continue To Monitor...Invest 94L and A Tropical Wave In the Eastern Tropical Atlantic Have a Low (30%) Chance of Formation Through 7 Days...

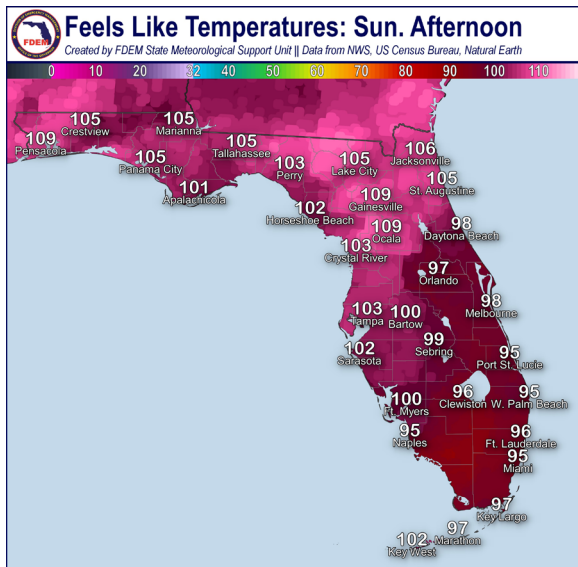
Friday-Sunday:

An upper-level disturbance and a stalled frontal boundary across the Southeast U.S. lifting northward will give way to another day of enhanced shower and thunderstorm activity across North Florida. Scattered showers developing and moving onshore along the Florida Panhandle and Western Peninsula coastlines this morning will build and increase in coverage and push northeastward throughout the day (60-90% chance of rain). A **few strong to severe thunderstorms** capable of producing frequent lightning, gusty winds (40-60 mph), and heavy downpours may be possible. With high pressure to the south sliding northward into the Peninsula, a typical summertime pattern can be expected this afternoon and evening with scattered to numerous showers and thunderstorms develop along the sea breeze (50-70% chance of rain). Lighter south-southeasterly winds across the Peninsula will allow the East Coast sea breeze to move further inland than seen over the last few days, causing activity to favor more inland areas. While severe weather is not expected, a **few strong thunderstorms** cannot be ruled out during the peak heating hours of the day. Abundant moisture giving way to heavy downpours and slow-moving storms may result in instances of **localized flooding** across urban and low-lying/poor drainage areas statewide.

High pressure building back in over the Peninsula and another frontal boundary sinking into the Southeast U.S. will allow for a similar pattern to continue through the weekend. Scattered to numerous showers and thunderstorms are expected across North Florida (60-95% chance of rain), beginning in the mornings and continuing through the evenings, and scattered to numerous showers and thunderstorms are anticipated in the afternoons and evenings along the sea breezes in the Peninsula (50-70% chance of rain). A **few strong to severe thunderstorms** capable of producing frequent lightning, gusty winds (40-60 mph), and heavy downpours will be possible during peak heating hours each day. Heavy downpours and slow-moving storms may result in instances of **localized flooding** across urban and low-lying/poor drainage areas statewide.

High temperatures will reach the upper 80s to middle 90s with **heat indices**, or feels like temperatures, rising into the **triple digits (100-108)** nearly statewide today. A **Heat Advisory** has been issued for the Southeastern Peninsula as **heat indices are forecast to reach up to 109-degrees** this





afternoon. Localized areas along the Northern Peninsula cannot rule out heat indices nearing or briefly reaching **Heat Advisory criteria**. Portions of the Eastern Panhandle, Big Bend, and Nature Coast will see slightly lower **heat indices (97-100)** thanks to mostly cloudy skies. High temperatures will continue to reach the upper 80s to middle 90s with **heat indices rising into the upper 90s and triple digits (100-110)** nearly statewide this weekend. **Heat Advisories** cannot be ruled out this weekend as portions of the North and West-Central Florida approach or reach **Heat Advisory criteria**.

Showers and thunderstorms in the Peninsula will continue throughout the evening hours then dissipate around midnight with the lack of daytime heating over the next 3 days (15-40% chance of rain). A few showers and embedded thunderstorms may

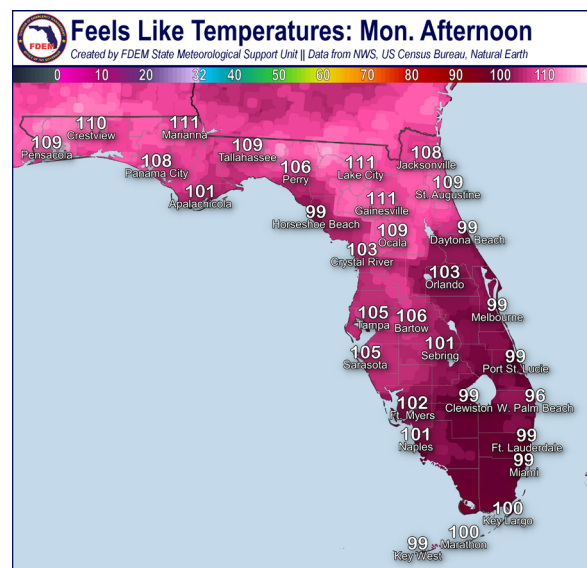
linger through the overnight hours across North Florida (25-50% chance of rain). Low temperatures will remain in the middle to upper 70s nearly statewide with low to middle 80s along the Southeast Coast and Keys. Onshore winds along the Florida Panhandle and coastal Western Peninsula may allow for isolated showers to redevelop along the coastal waters and immediate coastline in the early mornings. Localized **areas of patchy fog and low clouds** may be possible overnight and into the early morning for portions of North and Central Florida due to calm winds and lingering moisture.

Monday – Tuesday:

A southward sagging frontal boundary will stall north of Florida and some minor upper-level disturbances will move through North Florida early next week, keeping rain chances across North Florida elevated (60-90% chance of rain). High pressure centered over the south-central U.S. early next week will expand eastward across Florida and work with lingering moisture to support scattered showers and thunderstorms with the sea breezes through the afternoons and evenings across the Peninsula (45-65% chance of rain). A **few strong to severe thunderstorms** capable of producing frequent lightning, gusty winds, and heavy downpours will be possible during peak heating hours each day. The Weather Prediction Center (WPC) is outlooking a **Marginal Risk (level 1 of 4) for Flash Flooding** along and north of the I-10 corridor in the Northern Peninsula Monday. Plentiful moisture lingering across the Peninsula will give way to heavy downpours at times and may result in instances of **localized flooding** across urban and low-lying/poor drainage areas statewide.

High temperatures will continue to rise into the upper 80s to middle 90s statewide. Plentiful moisture lingering across the state will keep **heat indices** in the **upper 90s to triple digits (100-112)** in the afternoons. **Heat Advisories** will likely be issued as some areas are expected to reach **Heat Advisory criteria**. **Excessive Heat Warnings** cannot be ruled out for portions of North and West-Central Florida.

Showers and thunderstorms will continue throughout the evening hours then dissipate around midnight with the lack of daytime heating (15-35% chance of rain). A few scattered showers may



linger through the overnight hours across the Northern Peninsula Monday with the help of the approaching frontal boundary (35-50% chance of rain). Low temperatures will remain in the middle to upper 70s nearly statewide with low to middle 80s along the Southeast Coast and Keys.

Tropical Weather:

Invest 94L - Western Caribbean/Southwestern Gulf of Mexico: An area of low pressure over the western Caribbean Sea associated with a tropical wave continues to produce widespread shower and thunderstorm activity. Development of this disturbance is not expected today while it moves west-northwestward at 10-15 mph. The disturbance is forecast to move westward over the Yucatan Peninsula and emerge over the Bay of Campeche late Saturday or early Sunday, at which point some development will be possible. Regardless of development, heavy rainfall associated with the tropical wave will affect portions of Central America and Mexico through the weekend. *This system poses no direct threat to Florida.*

*Formation chance through 48 hours...**low...30%**.

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

Invest 95L - Central Tropical Atlantic: A low-pressure system located about 1400 miles east-southeast of the Windward Islands is becoming better defined and the associated showers and thunderstorms are increasing in organization. If these trends continue, a tropical depression will likely form later today. This system is expected to move westward at 15-20 mph and approach the Windward Islands by the end of the weekend, and Hurricane or Tropical Storm Watches could be required for portions of that region tonight or early Saturday. *This system poses no direct threat to Florida over the next 7-10 days but will continue to be monitored.*

*Formation chance through 48 hours...**high...near 10%**.

*Formation chance through 7 days...**high...near 10%**.

Eastern Tropical Atlantic: A tropical wave located several hundred miles south-southwest of the Cabo Verde Islands is producing disorganized showers and thunderstorms. Some slow development of this system is possible next week while it moves generally westward at 15-20 mph across the central and western tropical Atlantic. *This system poses no direct threat to Florida over the next 7-10 days but will continue to be monitored.*

*Formation chance through 48 hours...**low...near 0%**.

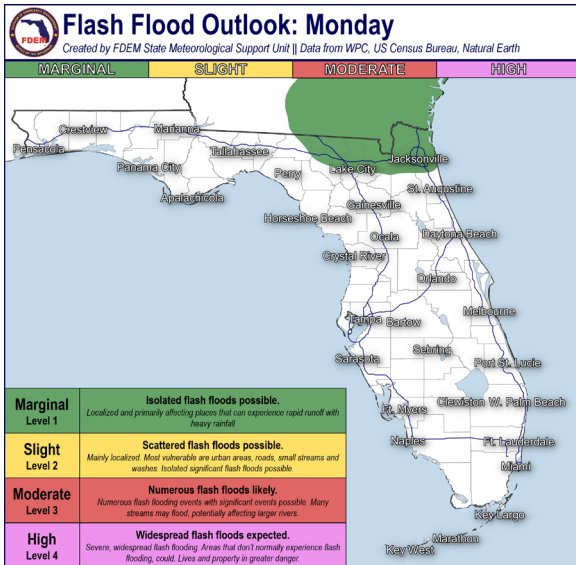
*Formation chance through 7 days...**low...30%**.

For the latest on the tropics, please visit the National Hurricane Center [website](#).

Hydrology & Flooding:

There is no organized risk for flash flooding over the next 3 days. An upper-level disturbance and a stalled frontal boundary across the Southeast U.S. will enhance shower and thunderstorm activity across North Florida today with the sea breezes. With high pressure building over the rest of the state, a typical summertime pattern can be expected this afternoon and evening as scattered to numerous showers and thunderstorms develop along the sea breeze, colliding over interior or eastern portions of the Peninsula later in the day. High pressure building back in over the Peninsula and



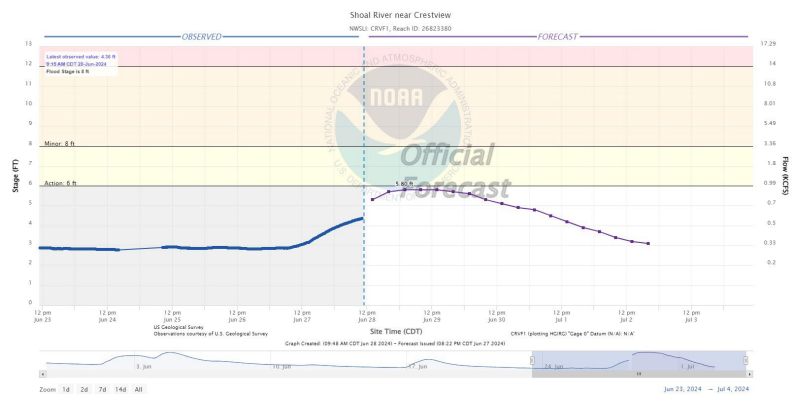


another frontal boundary moving into the Southeast U.S. from the north will allow for a similar pattern to continue through the weekend with scattered to numerous showers and thunderstorms across North Florida and scattered showers and thunderstorms along the sea breezes in the Peninsula. These multiple rounds of rainfall, with heavy downpours possible, could bring **localized flooding** across the Peninsula throughout the afternoon and evening hours. Any slow-moving or training showers and thunderstorms over the same areas, or urban and low-lying/poor drainage areas, could lead to **instances of localized flooding** at times. Along the Panhandle, showers and thunderstorms will also bring heavy downpours throughout the afternoons and evenings, which could bring **localized flooding** in some areas. A southward sagging frontal boundary will stall north of Florida and

some weak upper-level disturbances will move through North Florida early next week, keeping rain chances across North Florida elevated. High pressure centered over the south-central U.S. early next week will expand eastward across Florida and work with lingering moisture to support scattered showers and thunderstorms through the afternoon and evening with the sea breezes across the Peninsula. The Weather Prediction Center (WPC) is outlooking a **Marginal Risk (level 1 of 4) for Flash Flooding** along and north of the I-10 corridor in the Northern Peninsula Monday. Continued rounds of rainfall, with heavy downpours possible at times, could bring additional instances of **localized flooding** across the Peninsula throughout the afternoon and evening hours Monday and Tuesday. Any slow-moving or training showers and thunderstorms over the same areas, or urban and low-lying/poor drainage areas, could lead to **instances of localized flooding** at times. Along the Panhandle, showers and thunderstorms additional rounds of heavy downpours throughout the afternoon and evening early next week could bring **localized flooding** in some areas, especially over areas that see increased soil saturation from rainfall this week and this weekend. Widespread rainfall totals of 1-3" can be expected across the state over the next 5 days with **locally higher totals** upwards of 3-5" possible. For the latest Excessive Rainfall Outlook, please visit the [Weather Prediction Center](#).

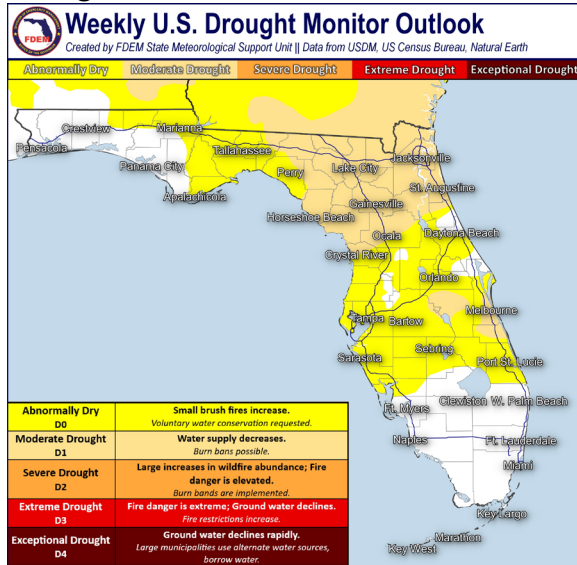
Water levels along [Bruce Creek near Redbay](#) have reached Action Stage (bank-full) following heavy rainfall across the Eastern Panhandle Thursday (6/27). Several other rivers and waterway have seen water levels rise in response to locally heavy rainfall across the state and some are forecast to near Action Stage, including the [Choctawhatchee River at Caryville](#) and [Shoal River near Crestview](#); however, all other Florida rivers, creeks, and waterways are below flood stage. Additional water level rises are possible along Florida rivers, creeks, and waterways with additional rounds of rainfall across the state. Riverine flooding is not expected at this time. There are no additional riverine concerns over the next 5 days. For more details, please visit the [River Forecast Center](#).

Lake Okeechobee's average elevation is 13.41', which is within the operational band and 0.06' above normal. Lake elevations have risen approximately 0.05' over the past week and 0.31' over the past 30 days. Above normal temperatures and below normal



rainfall outlooked over the next week or so may allow water levels to hold steady or begin declining over the next 5 days.

Drought & Fire Weather:

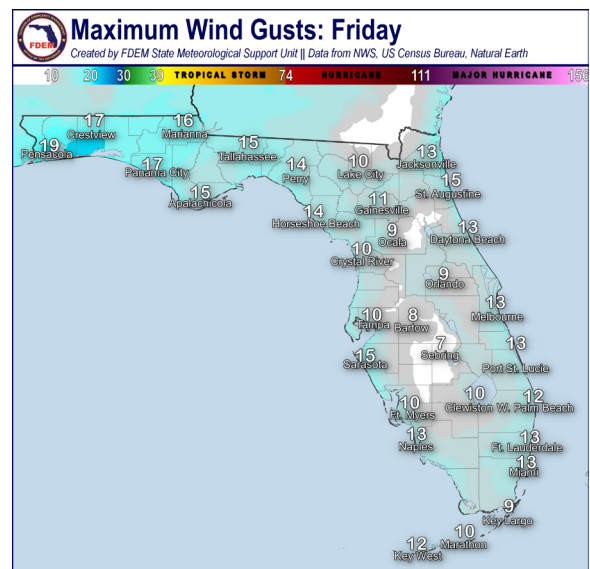


Throughout most of the southeast, rainfall has been largely lacking over the past 3-4 weeks. At the same time, the region has experienced several heat waves over the past month. Combined, this has resulted in rapidly deteriorating drought conditions. Abnormally dry (*emerging drought*) conditions have expanded into the Big Bend and north of I-10 into the Eastern Panhandle on this week's [Drought Monitor](#) update as soil moisture, stream flows, and several derived drought indices continue to worsen on a daily basis. **Moderate drought** conditions have also expanded on this week's update and now stretch across the Northern Peninsula and into the Eastern Big Bend. High rates of evaporation of moisture from land and vegetation (evapotranspiration) are rapidly drying out soils and vegetation, increasing fire concerns. Widespread impacts have been observed in the agriculture sector

due to these worsening drought conditions as pastures and rangelands are going dormant or turning brown, which is in turn increasing livestock concerns. There have been several reports that crop yields are in danger if meaningful rainfall is not observed soon. Abnormally Dry conditions remain near and north of Lake Okeechobee to north of I-4 with pockets of **moderate drought** near Melbourne and south of Orlando. 30-Day rainfall deficits have reached upwards of 3-6" north of I-4 through the Northern Peninsula and much of the Big Bend. Along and south of I-4 and along the Eastern Panhandle, 30-day rainfall deficits remain near 2-4". Above-normal temperatures and below normal rainfall are expected to persist over the next week and will likely further exacerbate drought conditions.

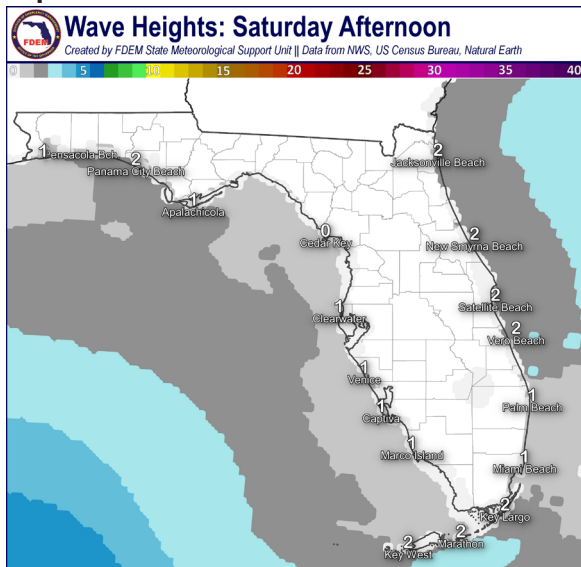
[The Keetch-Byram Drought Index](#) average for Florida is **381 (-7)** on a scale from 0 (very wet) to 800 (very dry). There are **26** Florida Counties (Alachua, Baker, Bradford, Clay, Columbia, Dixie, Duval, Franklin, Gadsden, Gilchrist, Gulf, Hamilton, Jackson, Jefferson, Lafayette, Leon, Levy, Liberty, Madison, Marion, Nassau, Putnam, Suwannee, Taylor, Union, Wakulla) with an average KBDI over 500 (drought/increased fire danger).

Abundant moisture will hold steady across the state helping to keep relative humidity values above critical thresholds over the next 5 days. Scattered to numerous showers and thunderstorms can be expected to develop each afternoon and evening across the state with the sea breezes. A frontal boundary stalled to the north of the state will help to increase shower and thunderstorm activity across the Panhandle and Big Bend. Southwesterly winds will shift and become southerly to easterly this weekend and into early next week but remain light with wind gusts near 10-20 mph along the Florida Panhandle and coastlines at times. *Thunderstorms will be capable of producing frequent lightning and erratic winds.* Localized areas of patchy fog and low clouds may be possible overnight and into the early morning for portions of North and Central Florida due to calm winds and lingering moisture.



Foggy conditions and low clouds may further reduce visibility where there are ongoing wildfires. According to the [Florida Forest Service fire dashboard](#), there are 31 active wildfires across the state burning approximately 4,542 acres (as of 2:25 PM EDT).

Rip Currents & Marine Hazards:



A **moderate to high risk for rip currents** will persist along the Florida Panhandle over the next 5 days while East Coast beaches can expect a low to **moderate risk**. West coast beaches will continue to see a low risk of rip currents through Sunday. A **moderate to locally high risk for rip currents** may be possible along the West Coast as long-period swells arrive Monday; however, a return to a low risk is anticipated Tuesday. For the latest Rip Current Outlook, visit www.weather.gov/beach.

Wave heights are forecast to remain near 1-3' statewide through the next 5 days with locally 4' waves along the Florida Panhandle Sunday.

Coastal flooding is not expected over the next 5 days.

Red Tide has not been observed at or above background levels over the past week (as of 6/21).

There have been no reports of fish kills or respiratory irritation suspected to be related to red tide. **Blue-Green Algae**, although partially obscured by cloud cover, was observed on the most recent satellite imagery from 6/18 at low to **moderate bloom potential** on approximately 40% of Lake Okeechobee. Satellite imagery of the St. Johns River also obtained on 6/18 and partially obscured by cloud cover showed low to **moderate bloom potential** from Lake George downstream to Toco Creek; however, Florida Department of Environmental Protection (DEP) staff did collect samples from Doctors Lake this week that contained cyanotoxins. Satellite imagery obtained on 6/18, although partially obscured by cloud cover, showed scattered low bloom potential in visible portions of the Caloosahatchee Estuary. Partially obscured satellite imagery of the St. Lucie Estuary from 6/18 showed no bloom potential in visible portions of the 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](#)

[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 weekend!

Melissa James, Assistant State Meteorologist
Florida Division of Emergency Management

www.FloridaDisaster.org/Weather

