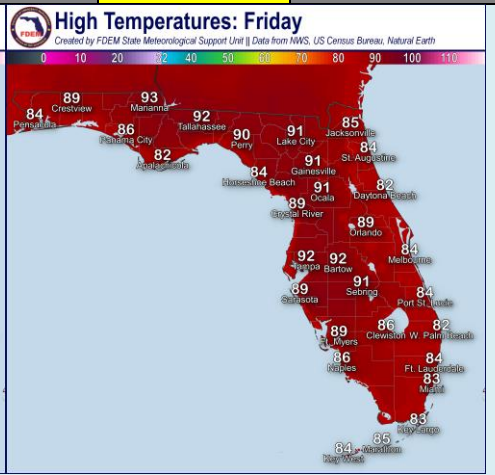
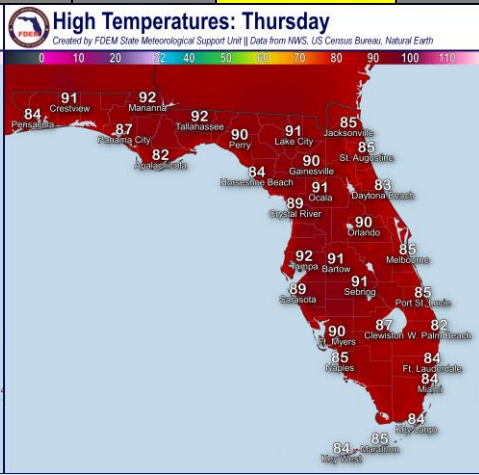
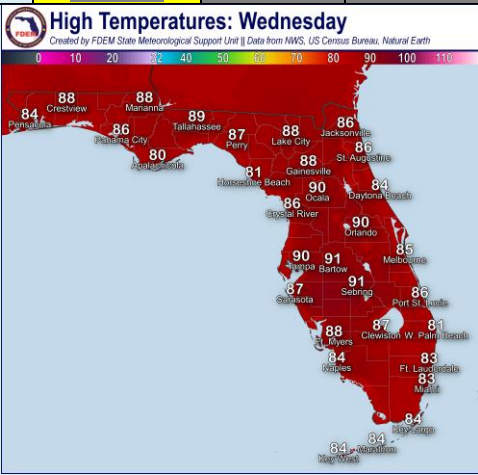


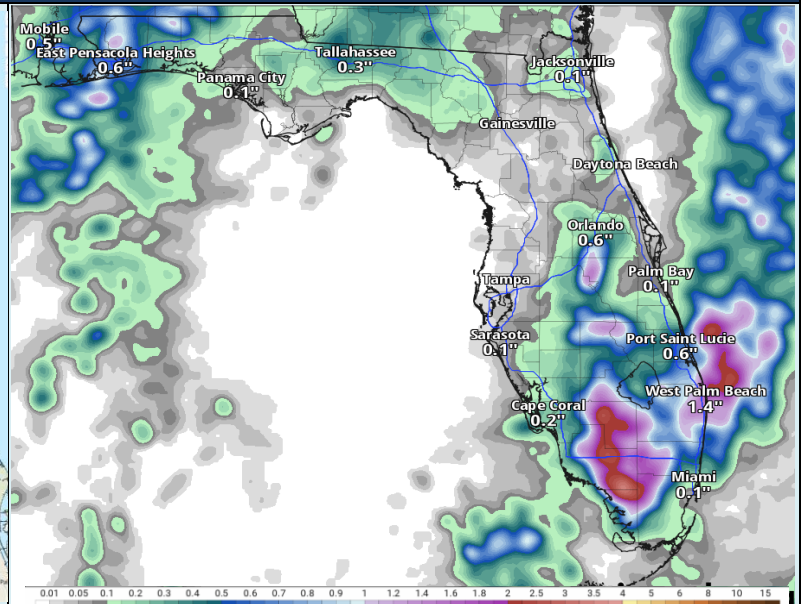
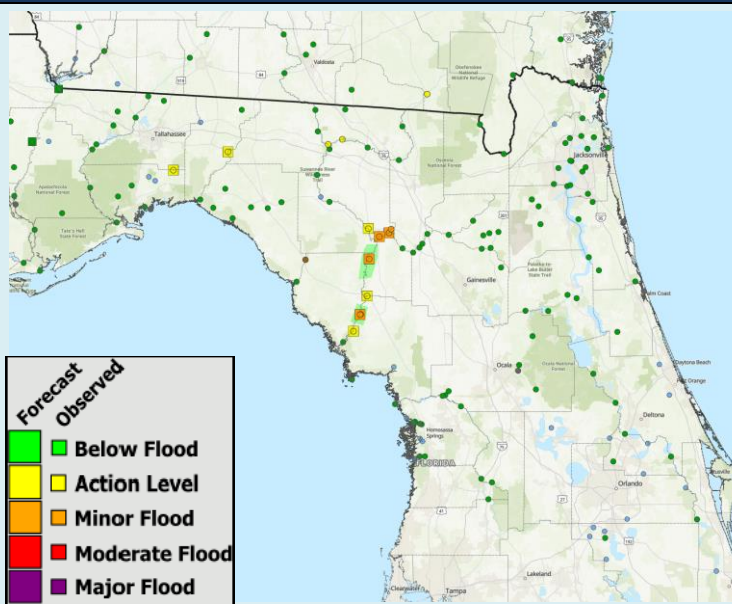
Tuesday, April 30, 2024

5-Day Statewide Weather Outlook

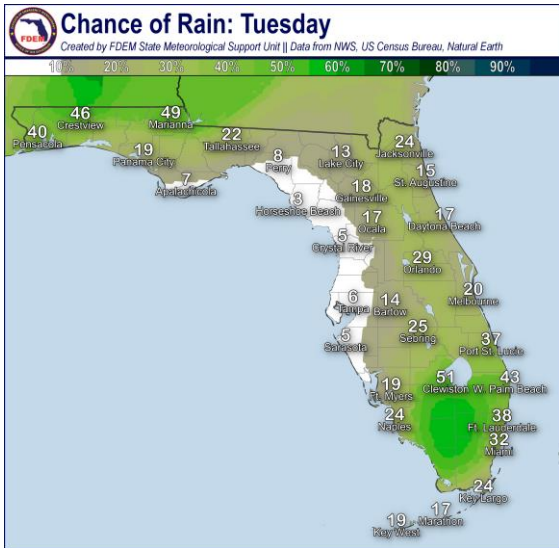
No Threat			Low Threat		Moderate Threat		High Threat	
Day	Lightning	Tornado	Damaging Wind	Hail	Wildfire	Fog (Overnight)	River Flooding	Rip Currents
Tue	W. Panhandle & South Florida Iso. Statewide		Iso. East-Central & South Florida	Iso. East-Central & South Florida	Iso. West-Central FL & Interior Peninsula	Locally North Florida & Nature Coast	Santa Fe & Suwanee Rivers	Panhandle & Southeast Florida East Coast West Coast
Wed	South Florida Iso. Peninsula		Iso. South Florida		West-Central Florida & Interior Peninsula	Northeast Florida North Florida	Santa Fe & Suwanee Rivers	Panhandle & Southeast Florida East Coast West Coast
Thu	South Florida Iso. Peninsula		Iso. South Florida		I-10 & I-75 Corridors		Santa Fe & Suwanee Rivers	Panhandle and East Coast West Coast
Fri	Iso. South Florida				I-75 Corridor & West-Central Florida		Santa Fe & Suwanee Rivers	Panhandle and East Coast West Coast
Sat	Suwannee Valley & South Florida Statewide		Iso. Statewide		West-Central Florida		Santa Fe River at Three Rivers Estates	



High Temperatures: Wednesday, Thursday & Friday



...Sea Breeze Finally Developing Afternoon Showers and Possible Thunderstorms Across Peninsula...Warming Temperatures Throughout the Week...Above Normal Temperatures for this Time of Year for Much of Peninsula...Increase in Rainfall Chances Late in the Weekend Nearly Statewide...Minor River Flooding Continues for Suwannee Valley...Abnormally Dry Conditions Continue to Expand into Other Peninsula Regions Following Warm and Dry Conditions...Sensitive Wildfire Conditions Possible Each Afternoon Along West-Central and Interior Peninsula...

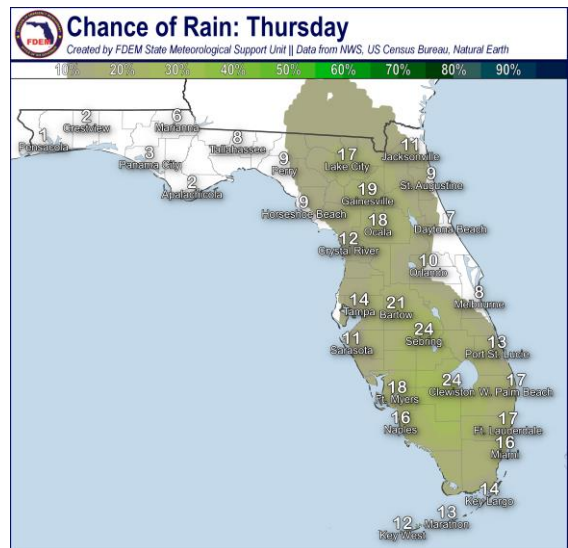


Tuesday – Thursday:

An upper-level feature associated with a low pressure system over the Mid-Atlantic states will move overhead on Tuesday, allowing for isolated to scattered showers and possible thunderstorms to develop nearly statewide throughout the afternoon and evening (25-50% chance of rain). The Atlantic and Gulf sea breezes will also move inland throughout the day across the Peninsula, and combined with the upper level feature, will give way to shower and thunderstorm development Tuesday evening across the interior Peninsula. While severe weather is not expected with thunderstorms, isolated thunderstorm activity may be **strong at times**, and capable of producing lightning, gusty winds, small hail and heavy downpours across portions of East-Central and South Florida during the peak heating hours of the day. By the late evening and early overnight hours, shower and thunderstorm activity

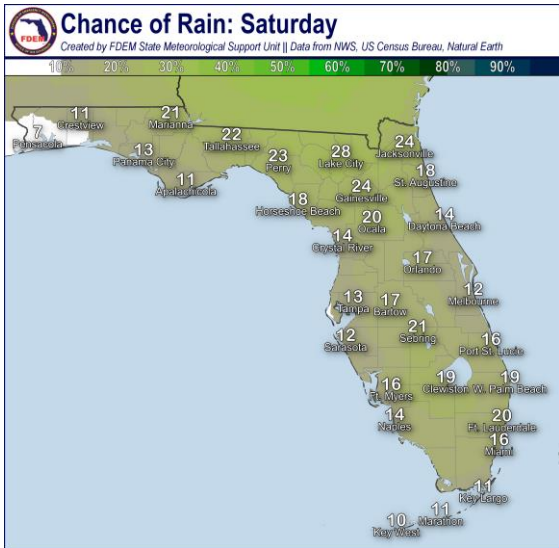
will gradually weaken and dissipate as it moves towards the coastlines. Some lingering showers cannot be ruled out during the late overnight hours along the Space and Treasure Coasts, with possible rumbles of thunder over the Atlantic waters (20-40% chance of rain).

High pressure will develop over the Tennessee Valley and shift eastward over the Carolina's, bringing mostly sunny skies across the Sunshine State through the middle of the week. The sea breeze along the Atlantic and Gulf coast will move inland throughout the day, and with lingering moisture, allow for isolated to scattered showers and thunderstorms to develop during the late afternoon and evening hours mainly east of the Apalachicola River and throughout the Peninsula (20-35% chance of rain). The greatest chance for shower and thunderstorm development will be along the collision boundary between the sea breezes across the interior Peninsula. Severe weather is not anticipated with thunderstorm development; however, **stronger thunderstorms** capable of producing locally gusty winds and heavy downpours cannot be ruled out at times on Wednesday. Drier conditions will develop on Thursday, with a chance for isolated to widely scattered showers and possible thunderstorms on Thursday along the sea breeze boundary throughout the Peninsula (15-25% chance of rain). Any activity that develops, will quickly move eastward towards the coastline throughout the evening and early overnight hours, but may linger along the immediate coastline overnight. **Patchy fog** throughout



North Florida and Nature Coast will be possible each night and early the next morning due to calming winds and lingering moisture.

High temperatures will gradually warm up throughout the middle to latter portions of the week, with **above normal temperatures** for this time of year possible in some locations. During the afternoons, high temperatures will reach into the 80s and low 90s, but coastal areas will see slightly cooler temperatures with the help of the sea breezes flowing onshore. Overnight low temperatures will remain in the 60s and low 70s, with low temperatures in the middle 70s along coastal Southeast Metro areas and the Florida Keys bringing little relief from daytime highs.



Friday – Saturday:

High pressure along the Carolina coastline will continue to bring warm conditions across the state, with possible showers along the I-75 corridor and through South Florida with the help of the sea breeze developing during the afternoon on Friday (15-20% chance of rain). There is a chance for some very isolated thunderstorms along South Florida with the help of the sea breeze, but severe thunderstorms are not expected. Shower activity increases statewide on Saturday as another upper-level feature moves overhead. This feature will help to bring isolated to widely scattered showers and isolated thunderstorms during the late afternoon and evening hours on Saturday (15-30% chance of rain). Much like the other days, severe weather is not anticipated at this time with any thunderstorm activity that develops, but very **isolated**

strong thunderstorms may be possible at times.

High temperatures will continue to **trend above normal** for this time of year reaching into the middle 80s and low 90s. The daily sea breeze along the coastlines will help to keep temperatures cooler than inland counterparts. Low temperatures will remain in the middle to upper 60s and low 70s statewide. Areas along the Southeast Florida coastline and Florida Keys will see low temperatures in the middle 70s overnight.

Hydrology & Flooding:

There is no organized risk for flash flooding over the next 5 days. Shower and thunderstorm activity may be capable of producing locally heavy rainfall at times, especially any stronger thunderstorms that develop along the sea breeze. Locally heavy will be possible Tuesday across portions of the western Panhandle and South Florida due to increased shower and thunderstorm activity during the afternoon. Rainfall totals upwards of 1-2” are possible, with locally higher totals upwards of 3” in some locations. This heavy rainfall could lead to **localized ponding of water** across urban and low-lying/poor drainage areas. Forecast rainfall late in the day on Saturday and into the overnight hours along the northern Big Bend and Suwannee Valley could bring upwards of 1-2” by the early morning hours on Sunday. For the latest Flash Flood Outlooks, please visit the [Weather Prediction Center](#).

There is no risk for coastal flooding over the next 5 days.

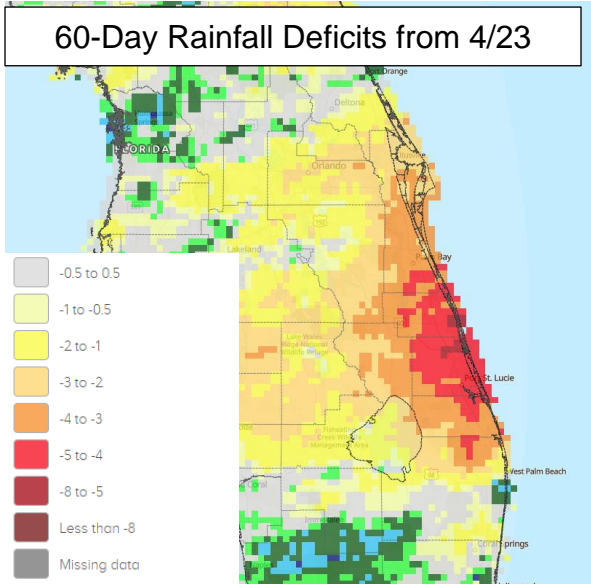
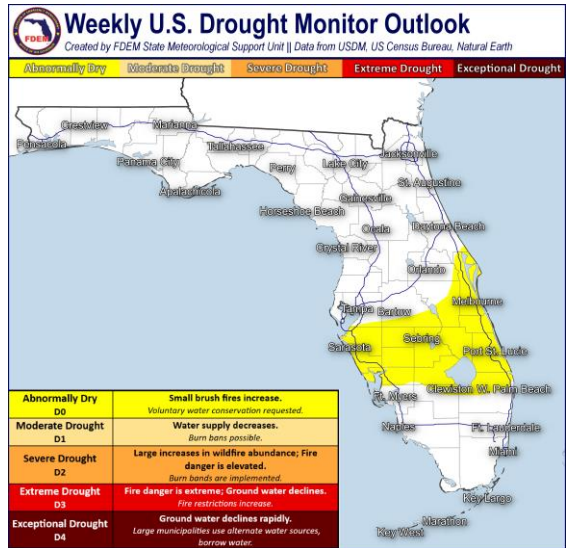
River Flood Warnings remain in effect along portions of the Suwannee River following heavy rainfall from the early April severe weather event. **Minor riverine flooding** continues for the Suwannee River [at Rock Bluff](#) and [Manatee Springs](#) as water levels are forecast to fall below flood stage by the middle to latter portions of this week. **Minor riverine flooding** is ongoing for the [Santa Fe River at Hildreth](#) as water levels are forecast to fall below flood stage by midweek. The [Santa Fe River at Three Rivers](#) Estates has fallen below **moderate flood stage** but remains within **minor flood stage** and is forecast to remain there into next week. There are no additions riverine concerns at this time. For more details, please visit the [River Forecast Center](#).



Lake Okeechobee's average elevation is 14.22 feet, which is within the operational band and 0.57 feet above normal.

Drought & Fire Weather:

Abnormally dry (emerging drought) conditions have expanded westward into Manatee and Sarasota Counties, as well as northward into Brevard County on the latest [Drought Monitor](#) update. With the late start to the wet season and lack of rainfall, rainfall deficits over the last 60-days (from 4/23/2024) have grown to 2-4" below normal for this time of year, with areas along coastal Indian River and St. Lucie Counties seeing rainfall totals upwards of 5-8" below normal. Above normal temperatures for this time of year over the last couple of weeks have also led to the expansion of abnormally dry conditions. Soil moisture content and streamflow conditions continue to deteriorate as well with the lack of rainfall over the region. With last week's dry spell nearly statewide, there is a chance for drought conditions to worsen further over Treasure Coast due to those large rainfall deficits. Isolated showers along the coastline over the last 7 days have created nearly 0.5-1" of rainfall in some areas, but overall it remains very dry.



The [Keetch-Byram Drought Index](#) average for Florida is **320** on a scale from 0 (very wet) to 800 (very dry). There are **three** Florida counties (Indian River, Martin and St. Lucie) with an average KBDI over 500 (drought/increased fire danger).

Dry air remains settled within isolated areas of West-Central Florida and the interior Peninsula and will allow for relative humidity values to fall near critical thresholds during the afternoon on Tuesday (middle to upper 30%). While these values are above critical thresholds, and winds are near 10 mph, **locally sensitive wildfire conditions** will persist due to the abnormally dry (emerging drought) conditions that have been recently introduced. As well, thunderstorms that develop over the region will be capable of producing lightning and gusty winds, which may contribute to igniting new fires or further spreading ongoing fires. By Thursday, drier air will return across the I-10 and I-75

corridors with relative humidity values to fall near critical thresholds (middle to upper 30%). **Sensitive wildfire conditions** can be expected during the afternoon hours due to the warm and dry conditions and lack of significant rainfall across the region. These conditions will also continue into Friday and Saturday along the western Peninsula, mainly West-Central Florida, where there remains a lack of rainfall and near critical relative humidity values. According to the [Florida Forest Service](#), there are 25 active wildfires across the state burning approximately 540 acres (as of 10:22 AM EDT).

Rip Currents & Marine Hazards:

Persistent onshore winds and locally elevated surf will create a **high risk for rip currents** along all Panhandle and Southeast Florida beaches on Tuesday. Breezy onshore winds along the rest of the East Coast will create a moderate risk for rip currents. Onshore winds and lingering surf may create a

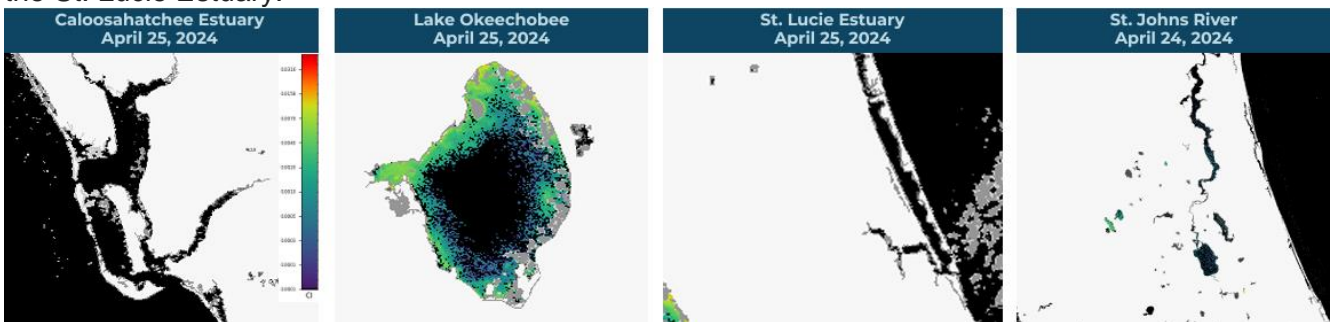


high risk for rip currents along North Florida, and along Southeast Florida, beaches through the midweek. Onshore winds will weaken slightly as calmer conditions return statewide courtesy of high pressure on Thursday, allowing for a **moderate risk for rip currents** statewide. Onshore winds will increase late on Friday and into Saturday, which will create a **high risk for rip currents** along the Panhandle and Southeast Florida with stronger winds. The rest of the East Coast will continue to see a **moderate risk for rip currents**, but **locally high risks** cannot be ruled out. For the latest Rip Current Outlook, visit www.weather.gov/beach.

Elevated surf of 3-5' can be expected to continue along the Florida East Coast with through Tuesday evening due to a lingering ocean swell. Panhandle and West Coast beaches will continue to see wave heights steadily decline to 1-3' from a long-period ocean swell recently. Calmer sea return mid-to-late week as high pressure returns and dominates. Late overnight Wednesday and into Thursday, wave heights across the state will return to 1-3' statewide courtesy of calm winds and calm seas. Wave heights will ever so slightly increase late Friday and into Saturday reaching 1-2' along the Panhandle and West Coast. East Coast beaches will see a slight increase of wave heights near 2-3' by Saturday afternoon, with Atlantic-facing Key beaches seeing **wave heights** reaching near 4'.

Red Tide was observed at background concentrations in one sample from Escambia County.

Blue-Green Algae conditions were observed by samplers at 13 sites out of the 26 total site visits during the week of 4/19-4/25. Satellite imagery for Lake Okeechobee shows low to **moderate bloom potential** on approximately 50% of the lake, with most of the bloom potential along the shorelines and northern half of the lake. The St. Johns River shows highly scattered low bloom potential from Lake George downstream to Jacksonville. Low bloom potential was observed from the upper Caloosahatchee Estuary down to the Matlacha Pass. No visible bloom potential was observed along the 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](#)

[NWS Miami Daily Graphical Hazards](#)

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

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[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!

Kennedy Tartt, Assistant State Meteorologist

Florida Division of Emergency Management

www.FloridaDisaster.org/Weather

