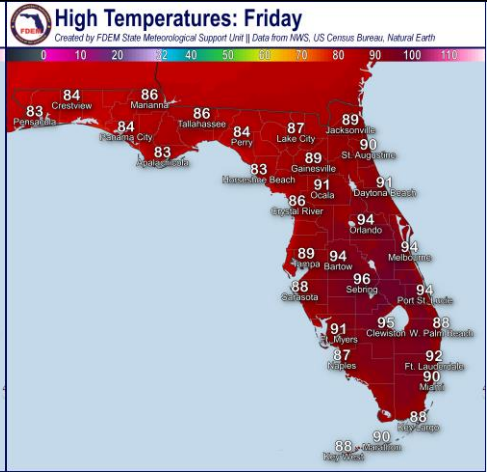
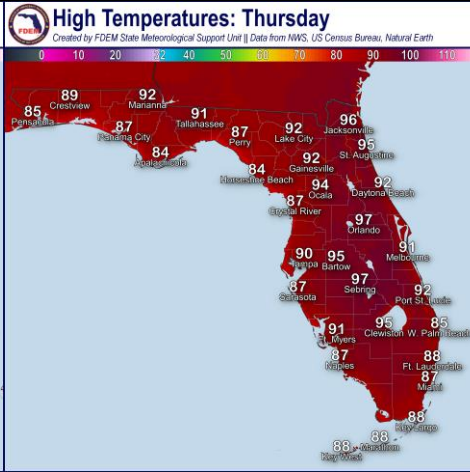
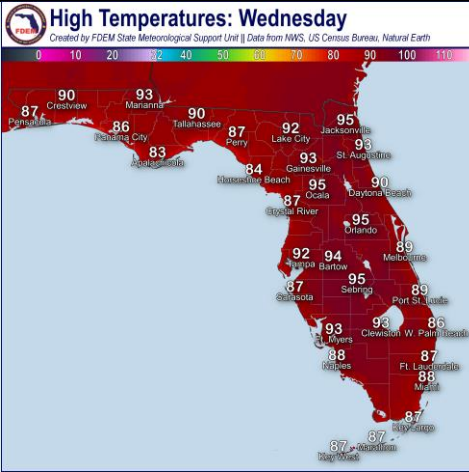


No Threat			Low Threat		Moderate Threat		High Threat	
Day	Lightning	Tornado	Damaging Wind/Hail	Excessive Heat	Wildfire	Flash Flooding	River Flooding	Rip Currents
Tue	Locally Int. Northeast & Central FL Iso. Peninsula		Locally Iso. Interior Northeast & Central Florida	Locally Int. Panhandle & I-75 Corridor	Central Florida		Santa Fe River at Three Rivers Estates	Panhandle & Southeast Florida East Coast West Coast
Wed				I-75 Corridor & Interior Peninsula Iso. Statewide	Locally Central Florida & Interior Peninsula		Santa Fe River at Three Rivers Estates	Panhandle & East Coast West Coast
Thu	W. Panhandle & I-10 Corridor (Overnight) North Florida	W. Panhandle I-10 Corridor	W. Panhandle I-10 Corridor Iso. North Florida (Overnight)	N. Panhandle & I-95 Corridor Iso. Statewide	Central Florida Peninsula	W. Panhandle Iso. I-10 Corridor (Overnight)	Santa Fe River at Three Rivers Estates	Panhandle & East Coast West Coast
Fri	North Florida Central Florida	North Florida	North Florida Central Florida	E. Peninsula & Keys Iso. Peninsula	Locally Central Florida Peninsula	North Florida & I-10 Corridor	Santa Fe River at Three Rivers Estates Rivers	Panhandle Peninsula
Sat	Locally Iso. Peninsula		Iso. South Florida	E. Peninsula & Keys Iso. Peninsula	Locally Panhandle & Interior Peninsula			Statewide



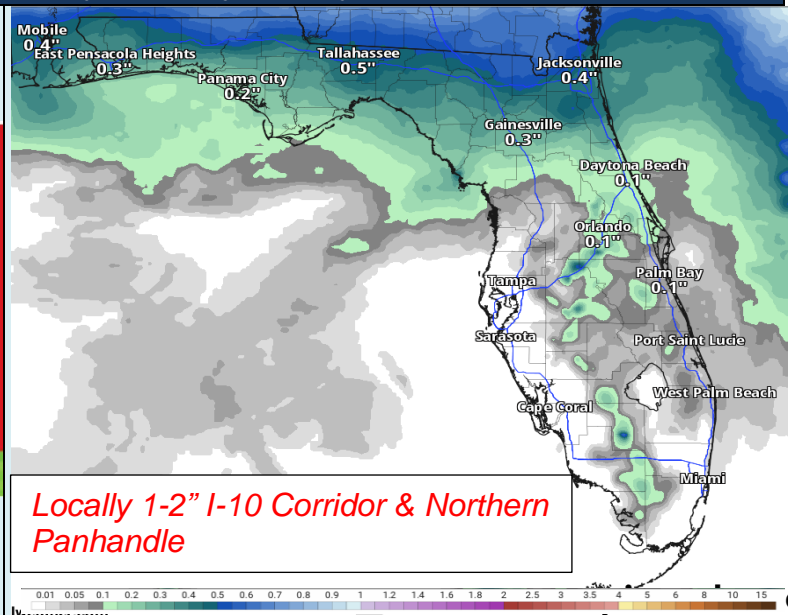
High Temperatures: Wednesday, Thursday & Friday

**Practice HEAT SAFETY Wherever You Are**

Heat related deaths are preventable. Protect yourself and others from the impacts of heat waves.

[weather.gov/heat](http://weather.gov/heat)

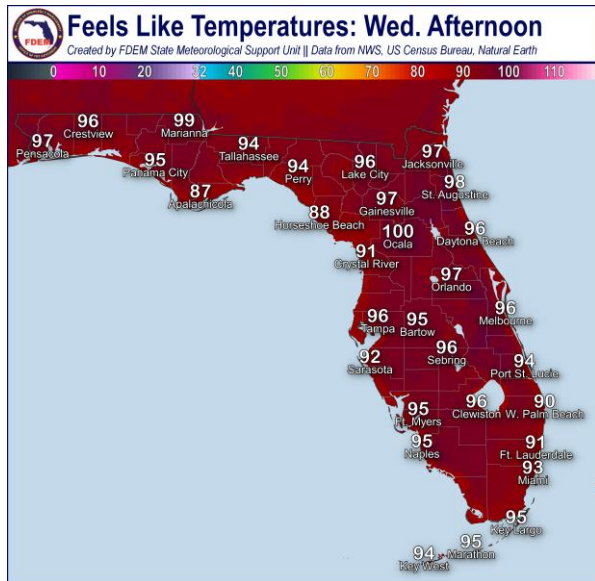
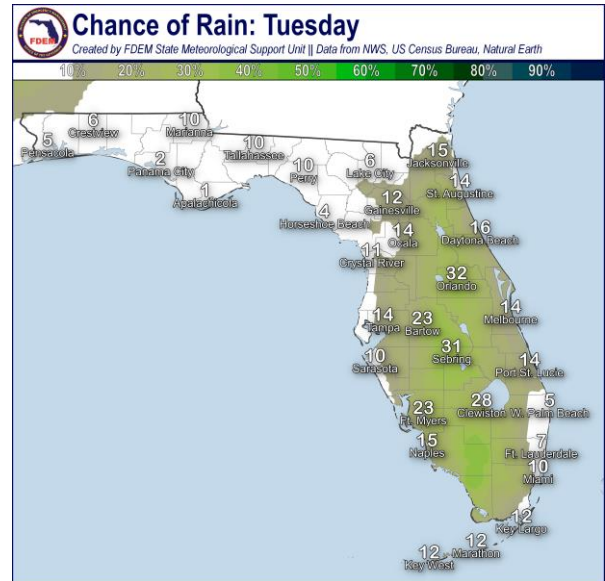
- Job Sites:** Stay hydrated and take breaks in the shade as often as possible.
- Indoors:** Check up on the elderly, sick and those without AC.
- Vehicles:** Never leave kids or pets unattended - LOOK before you LOCK.
- Outdoors:** Limit strenuous outdoor activities, find shade, and stay hydrated.



...Warm and Dry Conditions Building Statewide...Record Heat and Near Triple Digit Heat Index Values...Increasing Shower and Thunderstorm Activity Across Panhandle and North Florida Late Thursday and Into Friday Ahead of Cold Front Sweeping Through...Strong to Severe Thunderstorms Possible Bringing Isolated Tornadoes, Damaging Wind Gusts and Heavy Downpours...Localized Flash Flooding Possible Within Heavy Downpours...Elevated Wildfire Conditions Developing Across Central and Interior Peninsula Later in the Week Due to Warm, Dry and Breezy Conditions...

**Tuesday – Wednesday:**

High pressure influence across the Sunshine State will bring mostly sunny and dry conditions throughout the morning and afternoon hours. The Atlantic and Gulf sea breeze boundaries will move inland throughout the day before colliding with one another during the late afternoon and evening, allowing for isolated to widely scattered showers and thunderstorms to develop across interior and eastern portions of the Peninsula on Tuesday (20-30% chance of rain). While organized severe thunderstorms are not expected, **locally isolated strong to severe thunderstorms** cannot be ruled out during the peak heating hours of the day. Any **strong thunderstorm activity** that develops will be capable of producing lightning, gusty winds and heavy downpours. Shower and thunderstorm activity will continue to linger through the late evening and early overnight hours before dissipating and moving over coastal waters (15-20% chance of rain). There is a chance for showers to linger along the immediate South Florida coastline through the overnight hours, but overall activity should remain light. **Patchy to locally dense fog** conditions will be possible overnight Tuesday and



into Wednesday morning from the Panhandle, across the Suwannee Valley and into Nature Coast as calm winds and clear skies develop. Drier conditions on Wednesday will limit shower and thunderstorm activity along the sea breeze boundaries during the afternoon and evening, but isolated showers and possible cannot be ruled out if favorable conditions develop across the interior peninsula; however, confidence remains low at this time (10-20% chance of rain).

As high pressure dominates statewide, temperatures will gradually build throughout the week. High temperatures will climb well into the upper 80s to middle 90s on Tuesday and Wednesday, with possible high temperatures approaching the **upper 90s** across interior portions of Central and Southwest Florida. With warm conditions building, temperatures during the early to middle afternoon hours are going to feel much warmer than they are. **Feel-like temperatures**, or **heat index values**, on Tuesday afternoon will reach the middle to **upper 90s** nearly statewide, with the first

...Warm and Dry Conditions Building Statewide...Record Heat and Near Triple Digit Heat Index Values...Increasing Shower and Thunderstorm Activity Across Panhandle and North Florida Late Thursday and Into Friday Ahead of Cold Front Sweeping Through...Strong to Severe Thunderstorms Possible Bringing Isolated Tornadoes, Damaging Wind Gusts and Heavy Downpours...Localized Flash Flooding Possible Within Heavy Downpours...Elevated Wildfire Conditions Developing Across Central and Interior Peninsula Later in the Week Due to Warm, Dry and Breezy Conditions...

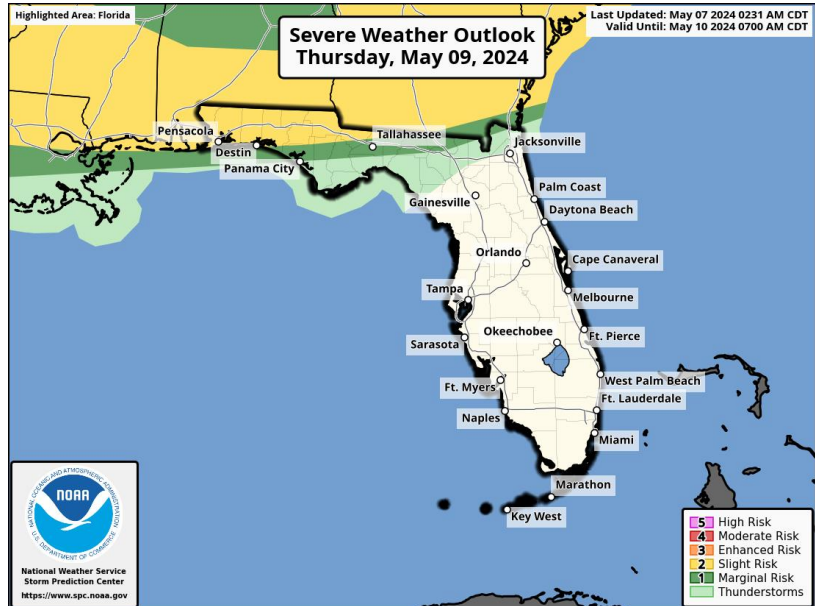


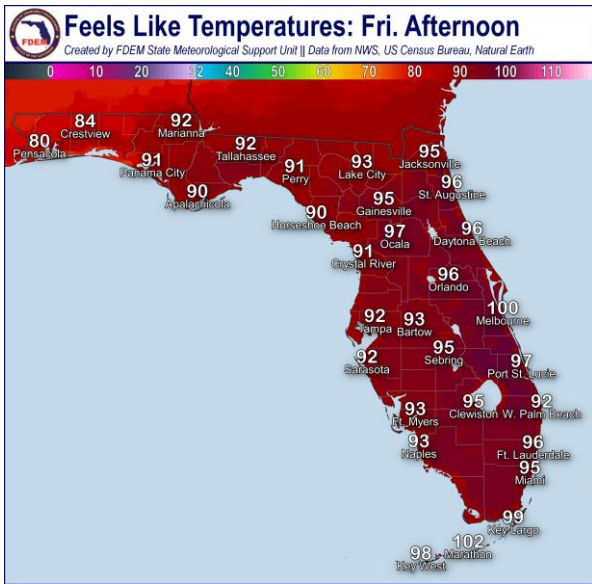
possible chance for **triple digit values** of the season across interior portions of the peninsula (100-103). Low temperatures will remain in the middle to upper 60s and low 70s from North Florida through Lake Okeechobee. South of the lake, low temperatures will fall into the middle to upper 70s which will provide little relief from daytime high temperatures.

### Thursday – Saturday:

High pressure will continue to dominate throughout much of the day on Thursday before shifting away from the Peninsula. Mostly dry conditions will persist through the day statewide before increasing rain chances late in the day on Thursday across the Panhandle and Big Bend (20-35% chance of rain). A cold front will approach the Deep South and the I-10 corridor Thursday afternoon, with scattered showers and thunderstorms developing and moving into North Florida. A thunderstorm complex will approach the Panhandle Thursday afternoon with the cold front, but environmental and atmospheric conditions are forecast to weaken and be displaced from front. This will allow

for the thunderstorm complex to weaken as it approaches the I-10 corridor; however, strong to severe thunderstorms can be anticipated. The Storm Prediction Center (SPC) is outlooking a **Slight Risk (level 2 of 5) for Severe Weather** along the western Panhandle, with a **Marginal Risk (level 1 of 5)** extending north of and along the I-10 corridor through Northeast Florida. **Strong to severe thunderstorms** will be capable of producing frequent lightning, damaging wind gusts (50-60 mph), isolated tornadoes, large hail and heavy downpours. A lull in activity will be possible after the passing of the thunderstorm complex and ahead of the cold front itself crossing into the state overnight and into early Friday morning (20-50% chance of rain). Showers and thunderstorms associated with the approaching cold front will increase Friday morning. Computer models are trending towards possible **strong to severe thunderstorms** early Friday morning, if the environmental and atmospheric conditions are able to remain in place following the thunderstorm activity from Thursday. Should conditions remain favorable Friday morning, isolated strong to severe thunderstorms will be possible. These **strong to severe thunderstorms** may be capable of producing frequent lightning, damaging wind gusts (45-60 mph), isolated tornadoes and heavy downpours along North Florida. The frontal boundary will weaken as it moves into Central Florida through the evening and overnight hours but will bring an uptick in showers and possible thunderstorm activity through Saturday morning across the Peninsula (15-30% chance of rain). By Saturday, drier air filters in behind the passing cold front allowing for drier conditions through the afternoon and evening hours (15-20% chance of rain).





High temperatures will remain above normal, with **possible record-breaking temperatures**, throughout the state. Thursday high temperatures will remain in the upper 80s to middle 90s, with interior portions of Central Florida approaching the **upper 90s**. Temperatures during the early to middle afternoon hours on Thursday will **feel-like** they are in the middle to **upper 90s** nearly statewide, with portions of the northern Panhandle and along the I-95 corridor reaching **near or at triple digits (100-102)**. Slightly cooler temperatures in the low to middle 80s will develop across North Florida on Friday and Saturday with elevated rain chances and the passing of the cold front. High temperatures across Central and South Florida will remain in the low to middle 90s Friday and Saturday. **Feels-like temperatures**, or heat index values, on Friday will climb into the upper 90s and **near or at triple digits (100-102)** along the eastern Peninsula and through the

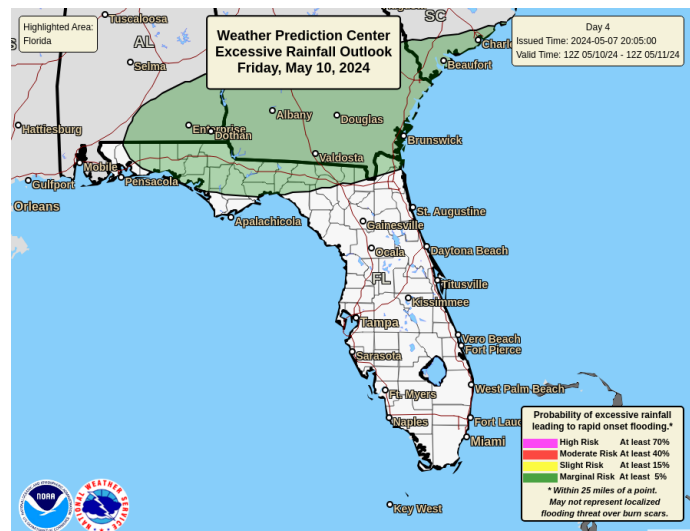
Florida Keys.

### Hydrology & Flooding:

There is no organized risk for flash flooding through Wednesday as warm and dry conditions develop nearly statewide. The Weather Prediction Center (WPC) is outlooking a **Marginal Risk (level 1 of 4) for Flash Flooding** along the western Florida Panhandle on Thursday ahead of showers and thunderstorms associated with a thunderstorm complex and approaching cold front move into the region late in the day and overnight. Abundant moisture ahead of the cold front will create favorable conditions for showers and thunderstorms to produce heavy downpours at times. These heavy downpours across urban and low-lying/poor drainage areas could lead to **localized instances of flash flooding** and ponding of water at times. As the cold front approaches and moves through the I-10 corridor Friday morning, abundant moisture will remain in place allowing for possible heavy downpours to continue. The Weather Prediction Center (WPC) is outlooking a **Marginal Risk (level 1 of 4) for Flash Flooding** along the I-10 corridor on Friday. For the latest Flash Flood Outlooks, please visit the [Weather Prediction Center](https://www.weather.gov/wmo/flash-flood-outlook).

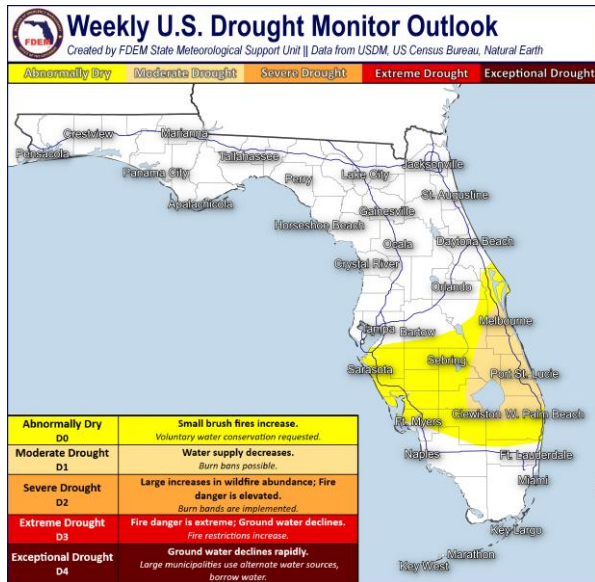
There is no risk for coastal flooding over the next 5 days.

The [Santa Fe River at Three Rivers Estates](#) remain within a **River Flood Warnings** as water levels continue to slowly decline through **minor flood stage**. The river is forecast to fall below flood stage throughout later in the day on Thursday. There are no additional riverine concerns at this time. Anticipated rainfall Thursday evening and into Friday along the Panhandle and I-10 corridor may lead to water levels rising along rivers, creeks and waterways during heavy downpours; however, there are no riverine concerns at this time. Any water levels rises will remain dependent on where the heaviest rainfall occurs and how much. For more details, please visit the [River Forecast Center](#).



Lake Okeechobee's average elevation is 14.02 feet, which is within the operational band and 0.54 feet above normal.

## Drought & Fire Weather:

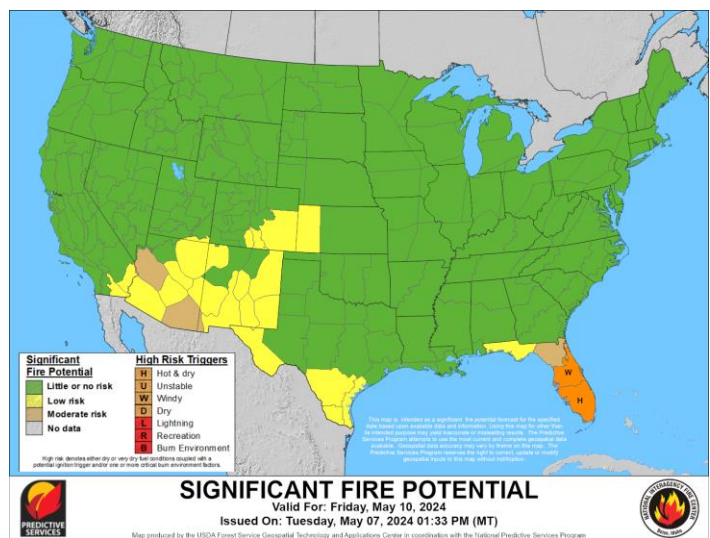


**Moderate drought conditions** have been introduced on last week's [Drought Monitor](#) update expanding from Treasure Coast and into interior East-Central Florida. *Abnormally dry (or emerging drought)* conditions have expanded further into South Florida, such as northern Collier and Broward Counties. Lack of significant rainfall, due to the slow-start of the wet season and the sea breeze, has led to rainfall deficits over the last 60 days (from 4/30) to be 2-4" below normal across the abnormally dry areas. Recently introduced moderate drought areas have experienced **rainfall deficits** of 3-5" below normal. Recent, and ongoing, warm and dry conditions have led to an increase in wildfire activity and decrease in streamlevel flows. The Climate Prediction Center (CPC) is outlooking drought development likely across central portions of the Peninsula through the month of May. The slow start to the wet season across the Peninsula,

and above normal temperatures over the next few days will lead to maintaining drought conditions on the next update released on Thursday. The spreading or worsening of moderate drought conditions further throughout the central Peninsula cannot be ruled out.

The [Keetch-Byram Drought Index](#) average for Florida is **359** on a scale from 0 (very wet) to 800 (very dry). There are **five** Florida counties (Brevard, Highlands, Indian River, Sarasota and St. Lucie) with an average KBDI over 500 (drought/increased fire danger).

Above normal temperatures and dry conditions are expected to develop across the Peninsula throughout the work week as high pressure dominates the weather pattern through Friday. The lack of available moisture, ongoing dry grounds and soils and warm temperatures will lead to an increased risk for wildfire development and behavior throughout the Peninsula, but especially across central portions where emerging drought to moderate drought conditions have developed and will likely continue to develop. If thunderstorms are able to develop with the sea breeze, they will be capable of producing lightning and gusty winds that may contribute to the igniting or spread of wildfires over dry grounds and soils. **Sensitive wildfire conditions** can be expected to develop during the afternoons and evening across the central Peninsula as relative humidity values will fall **near critical thresholds** (middle to upper 30%). By Thursday and Friday, below critical threshold relative humidity values, above normal temperatures and dry conditions will lead to an **elevated risk for wildfire** across the central and eastern Peninsula, especially where short-term drought conditions exist. Breezy wind gusts ahead of an approaching cold front on Friday will increase to **20-25 mph** at times across the Peninsula, with possibly **gusts upwards of 25-30 mph** near the I-4



corridor later in the afternoon and evening hours. These erratic winds will also contribute to the increased potential for wildfires. In the wake of a passing cold front Friday and into Saturday, much drier air will filter in behind across North Florida allowing for relative humidity values in **near or below critical thresholds** (30%). Rainfall across the I-10 corridor should limit widespread wildfire conditions; however, **sensitive wildfire conditions** cannot be ruled out. According to the [Florida Forest Service](#), there are 45 active wildfires across the state burning approximately 1196 acres (as of 10:57 AM EDT).

### Rip Currents & Marine Hazards:

Southerly to southeasterly winds along Panhandle and East Coast beaches will provide persistent onshore flow along beaches through Friday afternoon. A **high risk for rip currents** can be expected along Panhandle and Southeast Florida beaches due to stronger onshore winds through Friday afternoon. A **moderate risk for rip currents** can be anticipated along Northeast and East-Central Florida beaches through the mid-week before onshore winds increase to create a **high risk for rip currents** through Thursday. By Friday, a weak cold front attempts to push into Florida allowing for winds to shift out of the west to northwest. Winds shifting offshore and wave heights dissipating will likely create a **moderate risk for rip currents** along Panhandle and East Coast beaches on Saturday. West Coast beaches will see onshore winds return, likely creating a **moderate risk for rip currents** Friday and into Saturday. For the latest Rip Current Outlook, visit [www.weather.gov/beach](http://www.weather.gov/beach).

Mostly calm seas can be expected through Wednesday nearly statewide as wave heights reach 1-3', with the largest waves along the far western Panhandle coastline and along Northeast Florida beaches. Stronger onshore winds and distant ocean swells will increase wave heights Thursday afternoon and into Friday to 2-4' statewide ahead of an approaching cold front. Similar to the previous day, the largest **wave heights** near 4' will be along the far western Panhandle and along Northeast Florida beaches. By Saturday, mostly calm sea will return to 1-2' statewide with localized swells upwards of 3' along Treasure Coast beaches.

[Red Tide](#) was not observed in samples collected statewide over the past week as of 5/3.

[Blue-Green Algae](#) conditions were observed by samplers at five sites out of the 21 total site visits during the week of 4/29-5/2. Satellite imagery for Lake Okeechobee shows low to **moderate bloom potential** on approximately 45% of the lake, with most of the bloom potential along the northern half of the lake. The St. Johns River shows highly scattered low to **moderate bloom potential** from Lake George downstream to Orange Park. No visible bloom potential was observed along the Caloosahatchee or St. Lucie Estuaries.

[NWS Mobile Daily Hazards](#)

[NWS Tallahassee Daily Graphical Hazards](#)

[NWS Jacksonville Daily Hazards](#)

[NWS Melbourne Daily Graphical Hazards](#)

[NWS Tampa Daily Graphical Hazards](#)

[NWS Miami Daily Graphical Hazards](#)

[NWS Key West Daily 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](http://www.FloridaDisaster.org/Weather)

