

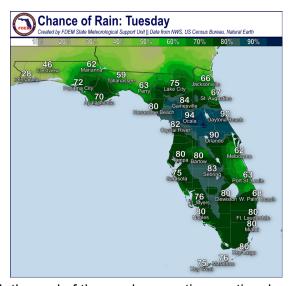




...Invest 93L Expected to Bring Plenty of Rainfall Statewide... Flood Watch Issued for Central Florida Through Tuesday Evening...Minor Riverine Flooding Possible for Quick-Response Rivers Along West-Central Florida Depending on Heavy Rainfall...Marginal and Slight Risk of Flash Flooding Throughout the State Tuesday...Marginal Risk Continues Along Panhandle and West Coast Through Midweek... Florida Panhandle Expecting Widespread Rainfall on Wednesday and Thursday...More Organized Thunderstorms Could Produce Localized Flooding for Urban and Low-lying Poor Drainage Areas...Strong Rip Currents Throughout The Gulf Coast till the Start Of The Weekend...Heat Index Values Reach Above Tripple Digits For The Florida Panhandle...

# Tuesday – Saturday:

A low-pressure system, Invest 93L, bringing plenty of tropical moisture is forecast to move off the East Atlantic Coast into the Peninsula of Florida on Tuesday promoting strong to locally severe thunderstorms. The Sunshine State will have enough moisture and energy to produce frequent lightning, locally gusty winds, and small hail. The main concern will be flooding areas statewide due to torrential downpours that occurred from the day prior. The Weather Prediction Center (WPC) maintains a Slight Risk (level 2 of 4) across Central Florida today, with a Marginal Risk (level 1 of 4) largely elsewhere across Florida. As Invest 93L advances westward over the Florida Peninsula and emerges over the northeastern Gulf Wednesday, the more widespread rain and thunderstorm activity will also shift westward. A Marginal Risk (level 1 of 4) for Flash Flooding continues for the

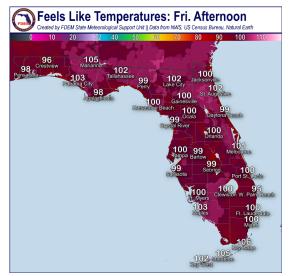


Florida Panhandle and Gulf Coast facing coastlines through the end of the week promoting continual showers and thunderstorms. Due to the grounds being saturated from torrential downpours that occurred on Monday in the Peninsula of Floridia, any locally heavily rainfall rates could lead to urban-corridor flooding, ponding of water, and nuisance street flooding. Torrential downpours could produce rainfall of 1-3", with localized totals upwards of 4-7" for areas statewide on Tuesday. As we move to the latter part of the week the Florida Panhandle will become the main area to watch with repeated rounds of showers and thunderstorms making quick-hitting totals upwards of 2-5" each day with localized areas hitting 4-8" until the weekend. As we head to the start of the weekend the tropical disturbance will continue to move westward out of the state of Florida, but we can still expect remaining moisture and showers to stay and produce rainfall across the Florida Panhandle and Central Florida. Slight adjustments in area and upgrades across the western Florida Panhandle cannot be ruled out later in the forecast period. Additional rounds of heavy rain and embedded thunderstorm activity can be expected across Florida through the remainder of the week, courtesy of Invest 93L propagating across the Florida Peninsula today and emerging into the northeastern Gulf Wednesday.





Relief from afternoon above average high temperatures will finally be felt for the Southern part of the state topping off in the lower and middle 80s as the Panhandle will continue to be in the lower and middle 90s on Tuesday. Invest 93-L will move off the Gulf Coast on Wednesday and as a result the



Big Bend will see high temperatures reaching the middle 80s, and the Peninsula of Florida will see a relief in high temperatures reaching in the lower 80s as everywhere else in the state will be in the upper 90s. As we get closer towards the weekend temperatures statewide will remain in the upper 80s and lower 90s. Heat index values will continue Tuesday to top off at triple digit values promoting heat risk concerns (103 to 111 degrees) along portions of the Panhandle of Florida. The tropical disturbance will move westward and as a result heat index values along the Panhandle will remain well below the triple digit mark and closer to the actual temperature. By Thursday, Central Florida will see daily heat indices back into triple digits till the end of the forecast period. Low temperatures will remain constant throughout the forecast with upper 70s across Central Florida and lowers 80s for south of the I-75 corridor and western Florida Panhandle.

## **Tropical Weather:**

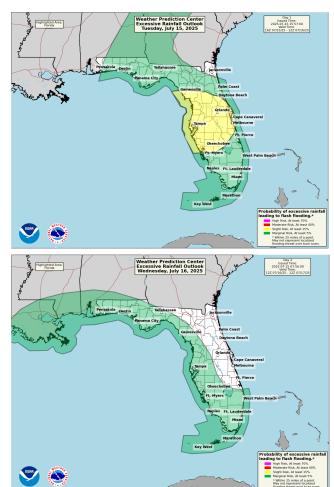
Florida Peninsula into the Northeastern Gulf (Invest 93L) — Satellite and radar indicate the low pressure area previously over the Atlantic is moving onto the coast of northeastern Florida. This system is currently producing disorganized shower and thunderstorm activity, and little development is expected tonight while the center is over land. Once the system reaches the northeastern Gulf on Wednesday, environmental conditions appear generally favorable for additional develop, and a tropical depression could form while the system moves across the northeastern and north-central Gulf and approaches the coast of Louisiana on Thursday. Regardless of development, heavy rainfall could produce localized flash flooding over portions of Florida through Wednesday. Heavy rainfall could also cause flash flooding for portions of the north-central Gulf Coast beginning Wednesday and continuing through Friday. Formation chances are medium (40%) through the next 48 hours and 7 days. Additional details can be found in Tuesday's Tropical Packet. Please visit the National Hurricane Center (NHC) website for the latest on the tropics.

### **Hydrology & Flooding:**





As Invest 93L moves westward and will bring repeated rounds of showers and locally thunderstorms through the Peninsula of Florida. The abundant moisture from the Atlantic Ocean has allowed for potential excessive rainfall and a Flood Watch has been issued for portions of East Central Florida until middle or late tonight. The persistent rainfall will be capable of producing isolated and localized Flash Flooding across the watch area today. On Tuesday, The Weather Prediction Center (WPC) issued a Slight Risk (level 2 of 4) for potential Flash Flooding for the Central Peninsula of Florida and a Marginal Risk (level 1 of 4) for the Northern and Southern Peninsula of Florida. The Marginal Risk of Flash Flooding (level 1 of 4) will continue everyday of this forecast period with Gulf Coast facing Coastlines including all the Florida Panhandle and Southern tip of Florida on Wedn esday. As Invest 93L moves into the Gulf, the Marginal risk of Flash Flooding (level 1 of 4) will continue Thursday and Friday for the Florida Panhandle. Due to the grounds being saturated from torrential downpours that occurred on Monday in the Peninsula of Floridia, any locally heavily rainfall rates could lead to urban-corridor flooding, ponding of water, and nuisance street flooding. Torrential downpours could produce rainfall of 1-3", with localized totals upwards of 4-7" for areas statewide on Tuesday till the end of



the forecast period. Trends within radar and higher-resolution computer models will be monitored each day to discern <u>where</u> the heaviest rainfall totals may occur. For the latest on the rainfall outlook, please visit the Weather Prediction Center (WPC) <u>website</u>.

Repeated rounds of heavy rainfall are forecast to fall the next couple of days and forcing rivers, creeks, and waterways to reach Action (bank full) and Minor flood stage across West-Central Florida.



A Flood Warning is issued for the Horse Creek River Wednesday evening until further notice and is forecast to reach minor flood stage midweek and continue even past the end of this forecast period. The Alafia (near Pinecrest) and Little Manatee River (near Wimauma) are expected to reach minor flood stage by the middle of the week and fall back to normal threshold by the start of the weekend. The Manatee River is expected to reach action stage on Wednesday and Fisheating Creek, Peace River, Myakka River, is expected to remain above the threshold till the weekend. Widespread riverine flooding is not anticipated: localized river rises will be possible but will also be heavily dependent upon where the heaviest rainfall throughout the basin(s). For information, visit the River Forecast Center.





Lake Okeechobee's average elevation is 11.67 feet, which is within the operational band and only normal for this time of year.

Weather:

Below Flood

t and active weather pattern across the western and central Florida Peninsula provided minor Flood and led to great improvements on the latest Drought Monitor update (7/10). Several Moderate Flood he Florida West Coast and into Central Florida saw a 1-category improvement and Major Flood ught (level 1 of 4) was removed from several areas. Portions of the Nature Coast

continue to miss out on the heavier rainfall and streamflow remains below average, which has led to the persistence of moderate drought conditions. Western portions of the Everglades have begun to fill back up and now have standing water, but the eastern half remains very dry. The immediate Space Coast and Southeast Florida coast also continue to miss out on the heaviest rainfall, despite the active daily weather pattern. 30-day rainfall deficits continue to trend below normal, approximately 2-4" below normal on average, with locally greater deficient 5-8" for the southernmost Peninsula. Varying areas of drought conditions continue for these areas, but severe drought (level 2 of 4) was expanding eastward across the Southeast Florida metro following lack of rainfall and increased wildfires. Interior Palm Beach County also continues to see an area of extreme drought (level 3 of 4). 1-3 inches of rainfall fell this weekend where areas of extreme drought (level 3 of 4) and pockets of severe drought (level 2 of 4) were located helping to improve conditions on Thursday's drought monitor map (7/17). Rainfall from earlier in the week will be taken into consideration for the next update to be released on Thursday (7/17), while rainfall that occurs mid-to-later this week will be used for the following week's update (7/24).

The Keetch-Byram Drought Index average for Florida is **196** on a scale from 0 (very wet) to 800 (very dry). There are <u>no</u> Florida counties with an average KBDI over 500 (drought/increased fire danger).

Numerous showers and thunderstorms can be expected statewide over the next 5 days keeping the overall wildfire threat relatively low across the state. The recent forecast of frequent lightning strikes over ongoing drought conditions statewide could ignite new fires or spread ongoing fires. Erratic or gusty winds from locally heavier stronger thunderstorms may also contribute to the spread of new or going wildfires. According to the <u>Florida Forest Service</u>, there are currently 34 active wildfires across the state burning approximately 15,500 acres.

#### **Rip Currents & Marine Hazards:**

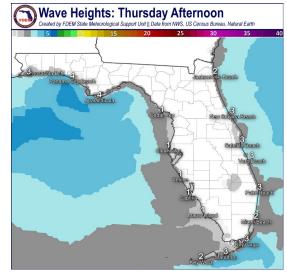
The disturbed area of weather crossing into the Gulf will allow for breezy onshore westerly and south westerly winds that are expected to build and promote onshore flow creating moderate to high risk for rip currents conditions for Panhandle beaches through the end of the forecast period. Once

the tropical depression leave the Atlantic Coast Wednesday morning Ocean swells will calm and allow for low to moderate rip current risk that will persist along portions of East Coast beaches. For the latest Rip Current Outlook, visit www.weather.gov/beach.

As Invest 93L moves offshore into the Atlantic on Wednesday, wave heights along the Gulf Coast will be 3-4' with upward surf being 4-5' along the Big Bend. Onshore winds and upwards surf will allow wave height to build 5-6' along the Panhandle Coast as invest 93L shifts towards the Louisiana and Mississippi Coastline. The Eastern Coastline will see calm wave heights through the later end of the forecast period.

Red Tide have not been observed as of 7/11.

The latest <u>Blue-Green Algae</u> report shows algal bloom conditions were reported at 22 site visits from 6/27







to 7/10. Satellite imagery for Lake Okeechobee from 7/10 shows low to **moderate bloom** potential on approximately 65% of the lake with the highest portion being located in the northern and northeastern parts of the lake. The most usable satellite imagery for the St. Johns River shows **moderate to high bloom potential** throughout visible portions of Lake George and low to **moderate bloom** potential on the mainstem of the river to Doctors Lak. No bloom potential on visible portions of Caloosahatchee and the St. Lucie Estuaries have been observed.

NWS Mobile Daily Hazards
NWS Jacksonville Daily Hazards
NWS Tampa Daily Graphical Hazards
NWS Tampa 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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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!

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