



Tropical Update



12:30 PM EDT

Tuesday, August 6, 2024

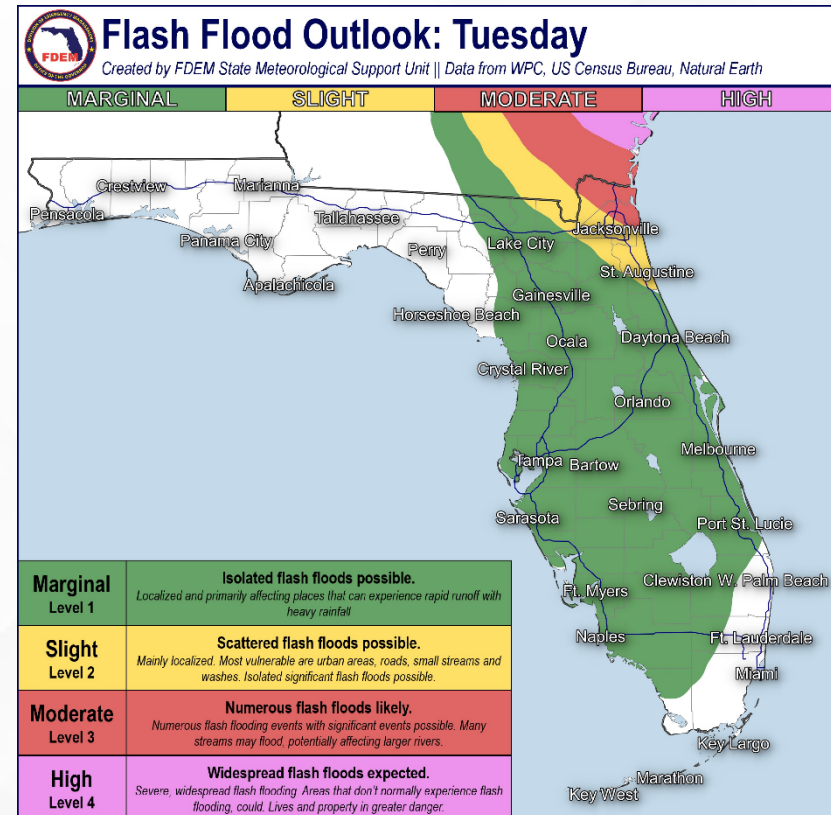
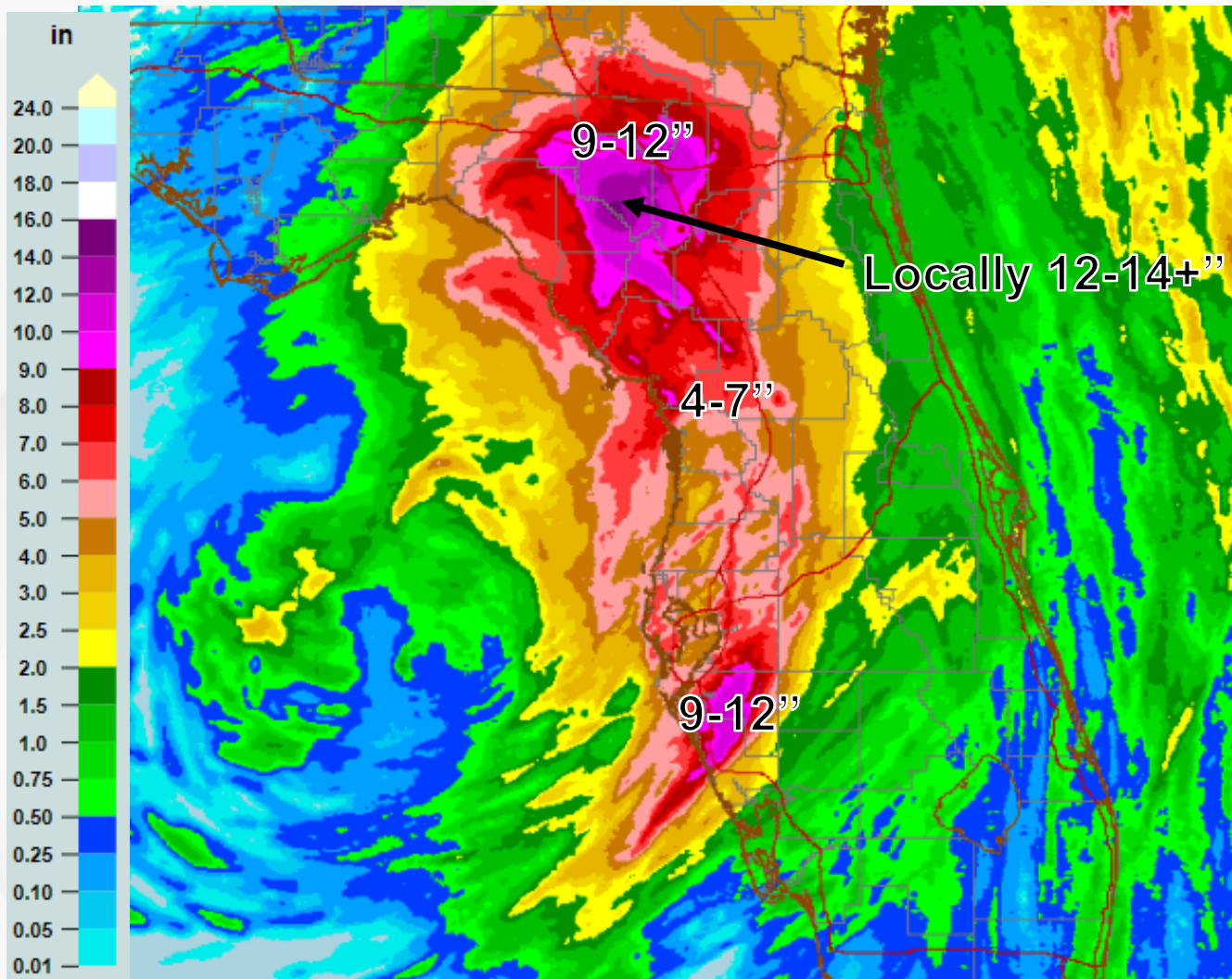
Debby Recovery Weather

This update is intended for government and emergency response officials, and is provided for informational and situational awareness purposes only. Forecast conditions are subject to change based on a variety of environmental factors. For additional information, or for any life safety concerns with an active weather event please contact your County Emergency Management or Public Safety Office, local National Weather Service forecast office, or visit the National Hurricane Center website at www.hurricanes.gov.



Observed Rainfall Totals

Past 24 Hours

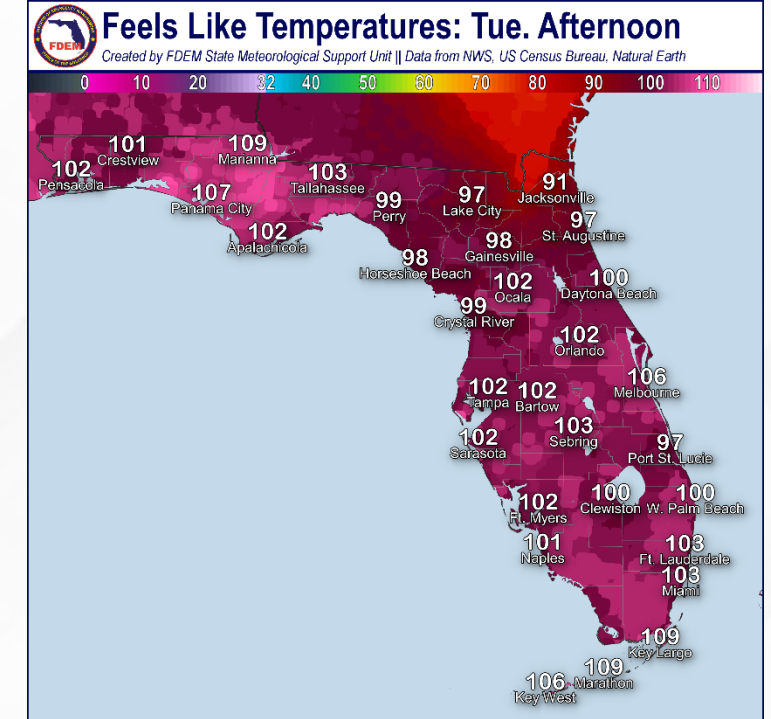
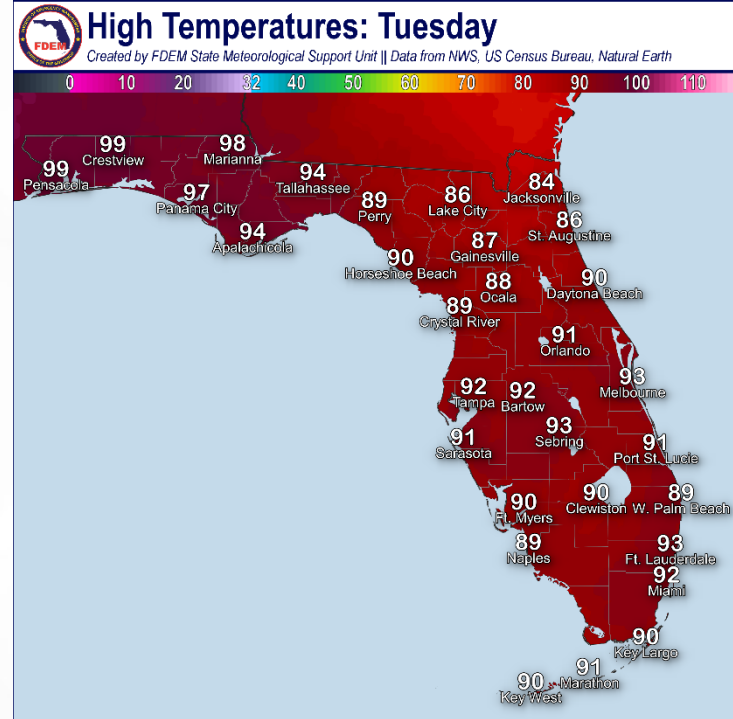
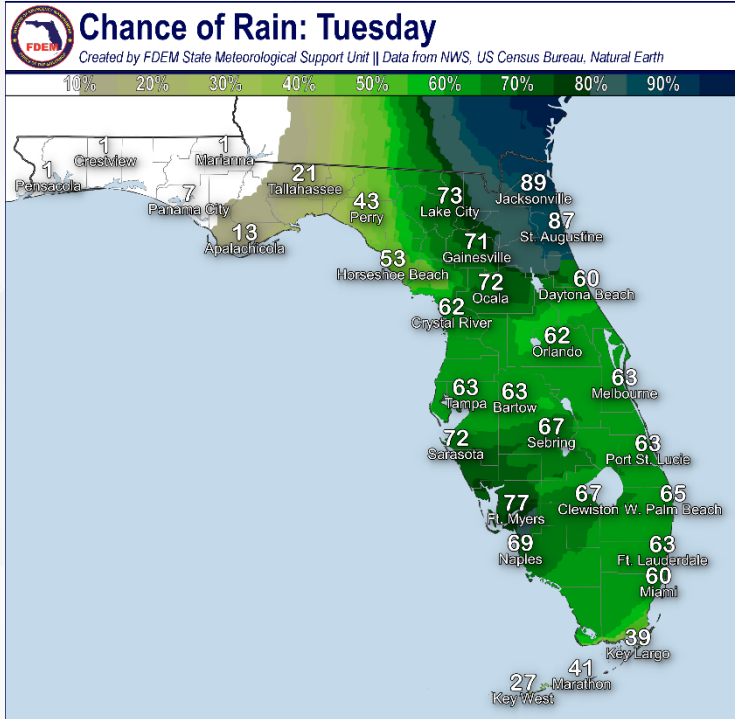


The Weather Prediction Center (WPC) is outlooking a **Moderate Risk (level 3 of 4) for Flash Flooding** along Northeast Florida where Debby remains within close proximity and will bring additional heavy rainfall throughout the day. The **Slight Risk (level 2 of 4) for Flash Flooding** extends just south of the moderate through Northeast Florida. There is a **Marginal Risk (level 1 of 4)** extending from the I-75 corridor through Lake Okeechobee as outer bands from Debby will extend southward and bring additional scattered showers and thunderstorms throughout the day due to lingering moisture.



Recovery Weather - Tuesday

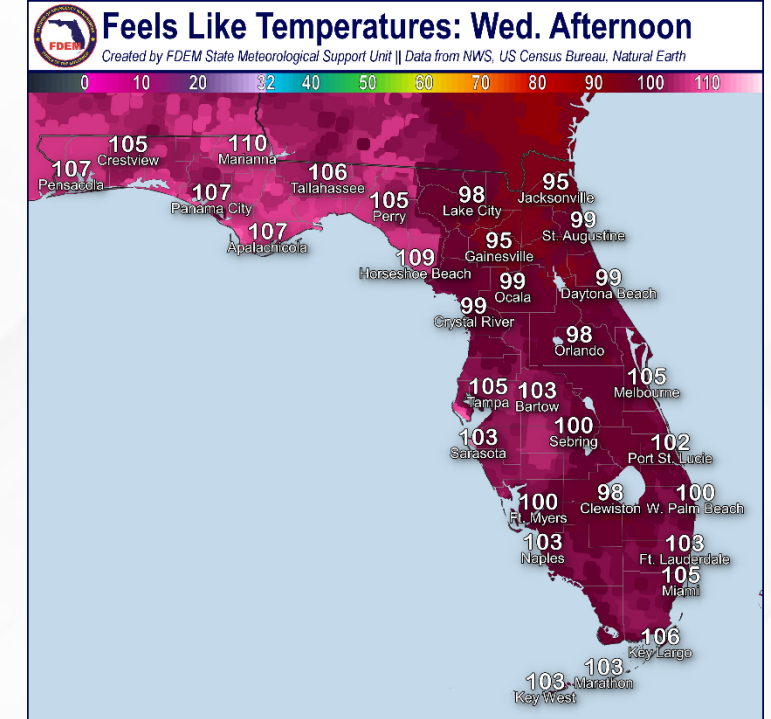
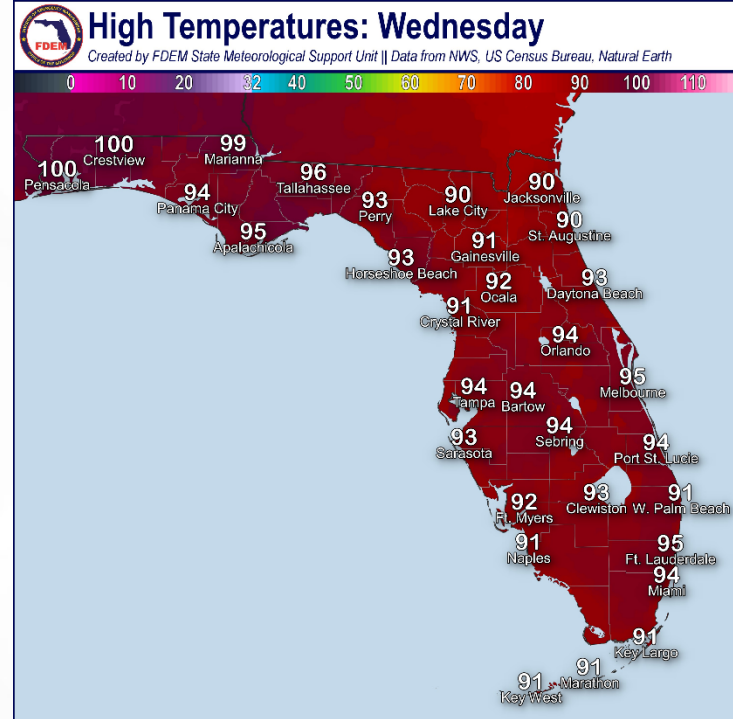
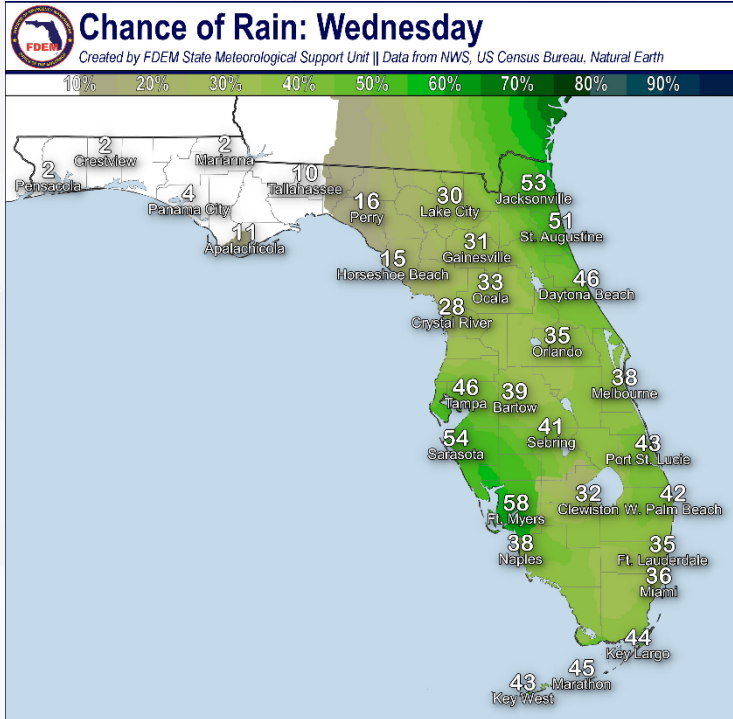
Rain Chances, High Temperature & Feels-Like Temperature





Recovery Weather - Wednesday

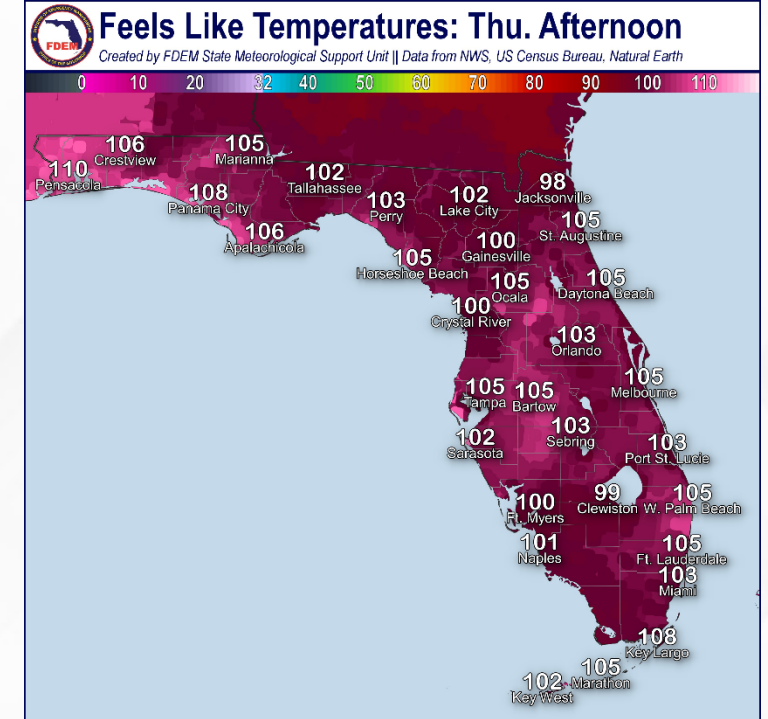
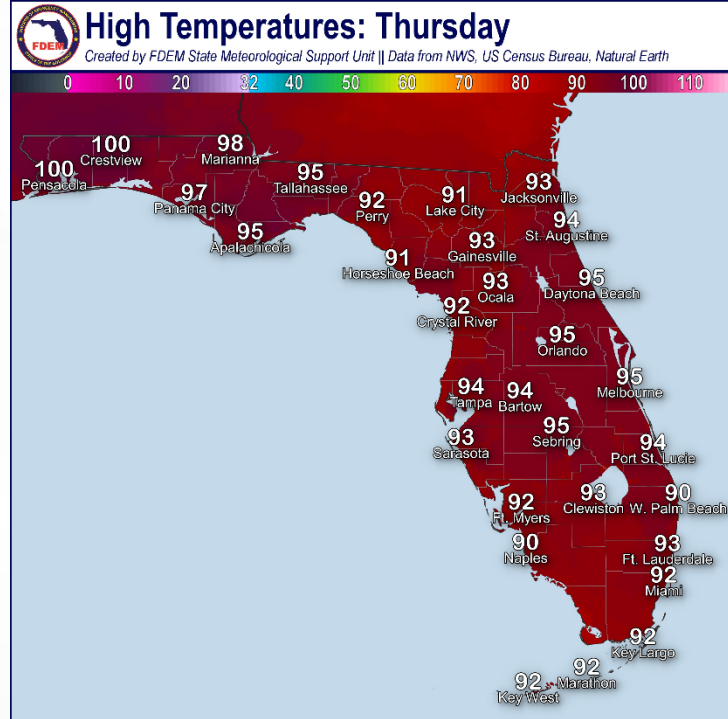
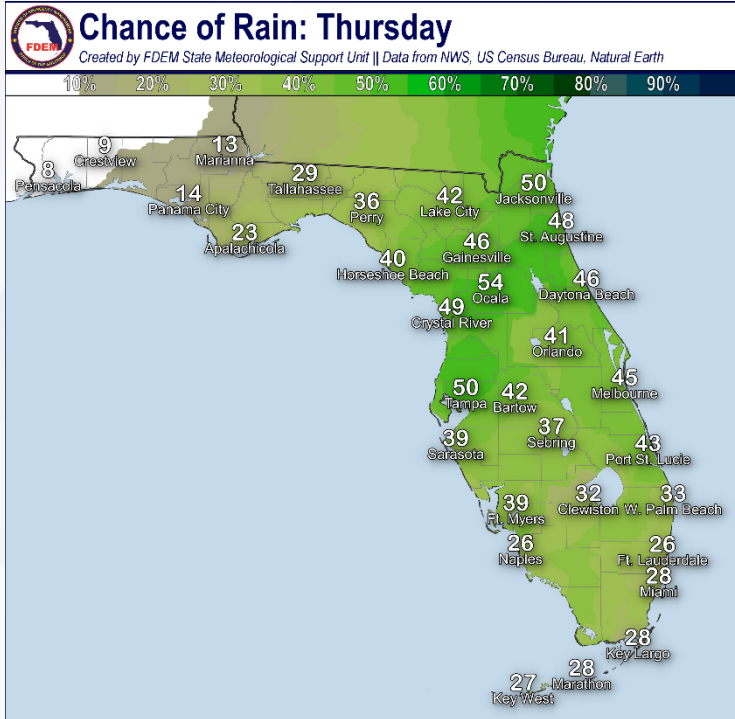
Rain Chances, High Temperature & Feels-Like Temperature





Recovery Weather - Thursday

Rain Chances, High Temperature & Feels-Like Temperature

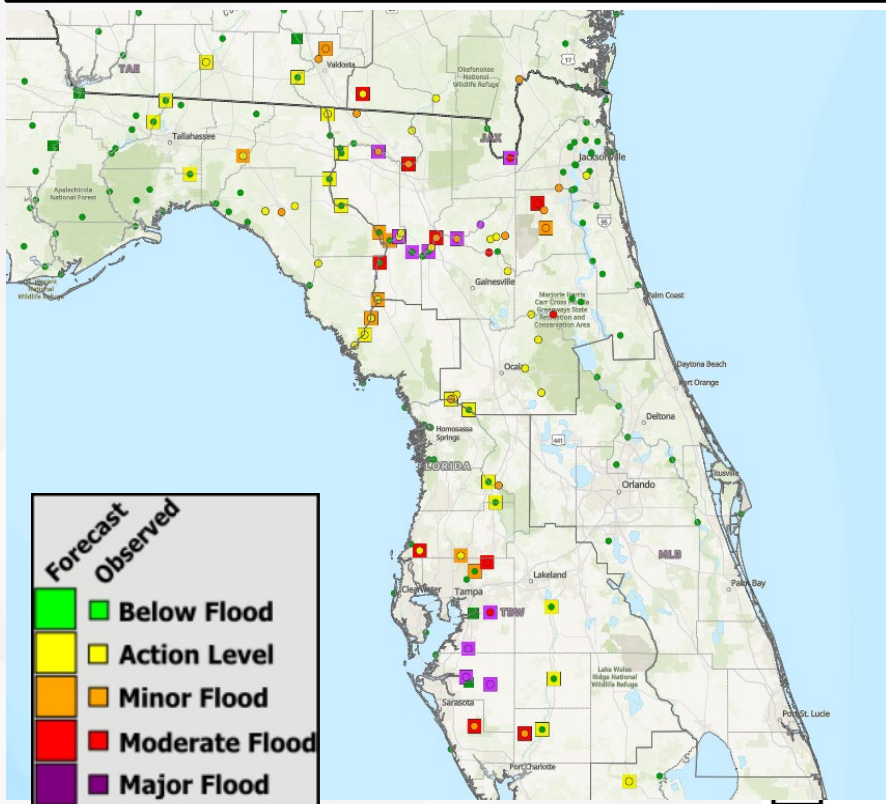




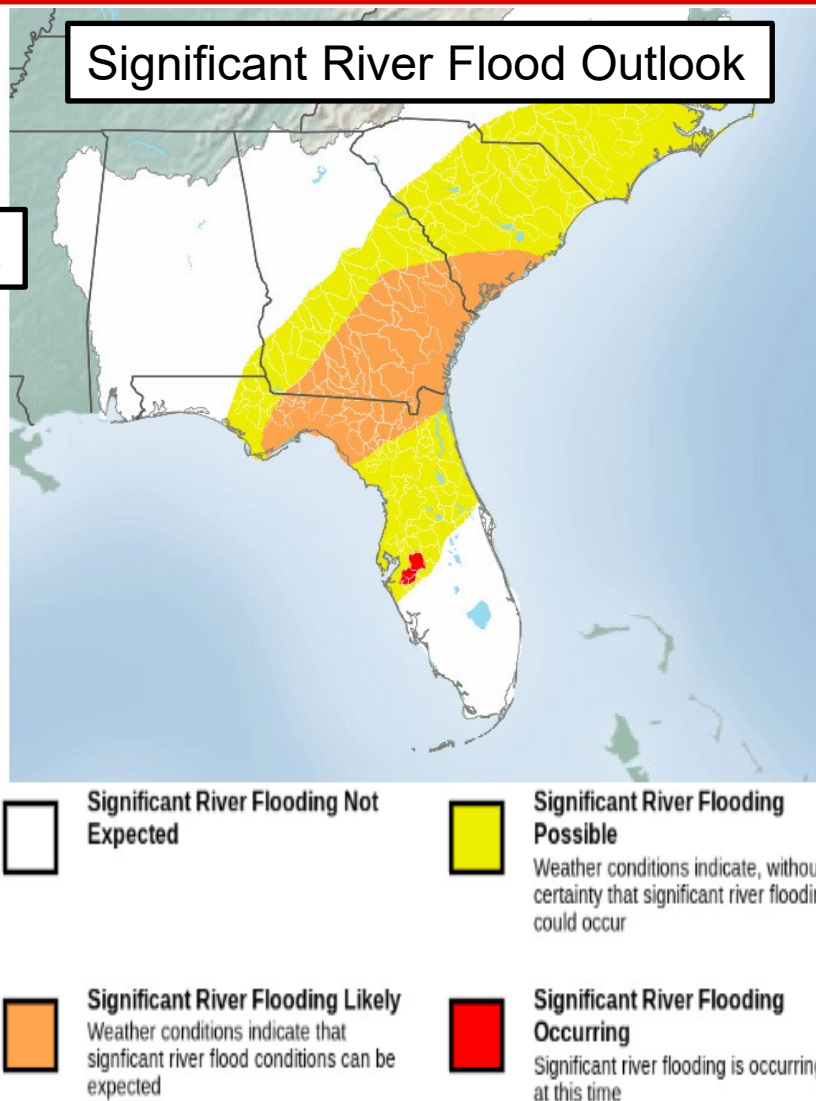
Riverine Flooding

Chance of River Flooding Based on Range of Forecast Rainfall

Current River Observations and Forecast



Significant River Flood Outlook



Rivers, creeks/streams, and waterways across North Florida are already running above normal for this time of year. Numerous **River Flood Warnings** have been issued across several mainstems and branches including the Suwannee, Santa Fe, Withlacoochee, Aucilla, Myakka, and Alafia as **moderate to major flooding** along several mainstems and branches including the Suwannee, Santa Fe, Withlacoochee, Aucilla, Myakka, and Alafia by the end of the week. Additional River Flood Warnings have been issued for numerous Big Bend, Northern Peninsula, and West-Central Florida rivers, creeks, and waterways as minor to moderate flooding is forecast.

Water continues to filter through the river basins and further downstream, and updates to these river forecasts can be expected.

FOUO – For Government Official Use Only



River Flood Warnings

From the National Weather Service

FOUO – For Government Official Use Only

River Gauge	County(ies) Affected	Current Level	Crest Level	Record Level	Status	Crest Date	Warning Expires Date
Alafia River at Lithia Pinecrest Road at Lithia	Hillsborough	Major: 19.24 ft	Major: 19.50 ft	28.50 ft	Rising	6-Aug	2200 EDT 10-Aug
Anclote River near Elfers at Little Road	Pasco	Action: 19.13 ft	Moderate: 22.00 ft	27.70 ft	Rising	7-Aug	Until Further Notice
Aucilla River at Lamont	Madison, Jefferson, Taylor	Action: 51.61 ft	Minor: 54.60 ft	58.80 ft	Rising	9-Aug	Until Further Notice
Cypress Creek at SR-54 Worthington Gardens	Pasco	Action: 7.98 ft	Minor: 9.80 ft	13.80 ft	Rising	9-Aug	Until Further Notice
Hillsborough River near Zephyrhills at State Park	Hillsborough	Moderate: 13.54 ft	Moderate: 13.60 ft	15.30 ft	Cresting	6-Aug	Until Further Notice
Hillsborough River at Morris Bridge	Hillsborough	Below: 30.10 ft	Minor: 32.70 ft	32.90 ft	Rising	9-Aug	Until Further Notice
Horse Creek near Arcadia at SR 72	DeSoto	Minor: 13.93 ft	Moderate: 15.00 ft	21.20 ft	Rising	8-Aug	Until Further Notice
Little Manatee River at Mimauma at US 301	Hillsborough	Major: 19.32 ft	Major: 19.47 ft	20.10 ft	Cresting	6-Aug	Until Further Notice
Manatee River at Rye Bridge	Manatee	Major: 18.20 ft	Major: 20.12 ft	20.00 ft	Falling	5-Aug	2040 EDT 7-Aug
Manatee River near Myakka Head at SR 64	Manatee	Major: 17.00 ft	Major: 19.16 ft	20.90 ft	Falling	5-Aug	Until Further Notice
Myakka River at Myakka River State Park	Sarasota	Moderate: 8.57 ft	Moderate: 10.40 ft	12.80 ft	Rising	8-Aug	Until Further Notice
North Fork Black Creek near Middleburg	Clay	Moderate: 19.89 ft	Moderate: 20.40 ft	27.90 ft	Cresting	6-Aug	1436 EDT 8-Aug
Santa Fe River at Fort White	Gilchrist, Columbia	Below: 21.70 ft	Major: 33.40 ft	35.40 ft	Rising	10-Aug	Until Further Notice
Santa Fe River at Three Rivers Estates	Gilchrist, Suwannee, Columbia	Action: 15.82 ft	Major: 26.10 ft	33.40 ft	Rising	11-Aug	Until Further Notice
Santa Fe River at Worthington Springs	Alachua, Union	Minor: 64.11 ft	Major: 67.30 ft	71.20 ft	Rising	7-Aug	Until Further Notice
Santa Fe River near High Springs	Alachua, Columbia	Below: 32.49 ft	Major: 46.00 ft	48.50 ft	Rising	9-Aug	Until Further Notice
Santa Fe River near O'Leno State Park	Alachua, Columbia	Minor: 45.34 ft	Moderate: 55.10 ft	57.10 ft	Rising	8-Aug	Until Further Notice
South Fork Black Creek near Penney Farms	Clay	Minor: 15.49 ft	Minor: 15.6 Ft	29.40 ft	Cresting	6-Aug	0845 EDT 7-Aug
St. Marks River near Newport on Old Magnolia	Leon, Wakulla	Action: 6.84 ft	Action: 7.00 ft	13.90 ft	Cresting	6-Aug	Until Further Notice
St. Mary's near Macclenny	Baker, Nassau	Moderate: 18.94 ft	Major: 20.30 ft	24.40 ft	Rising	7-Aug	Until Further Notice

For more details on the hydrographs as well as impact statements, click the links for each river gauge.



River Flood Warnings Con't.

From the National Weather Service

FOUO – For Government Official Use Only

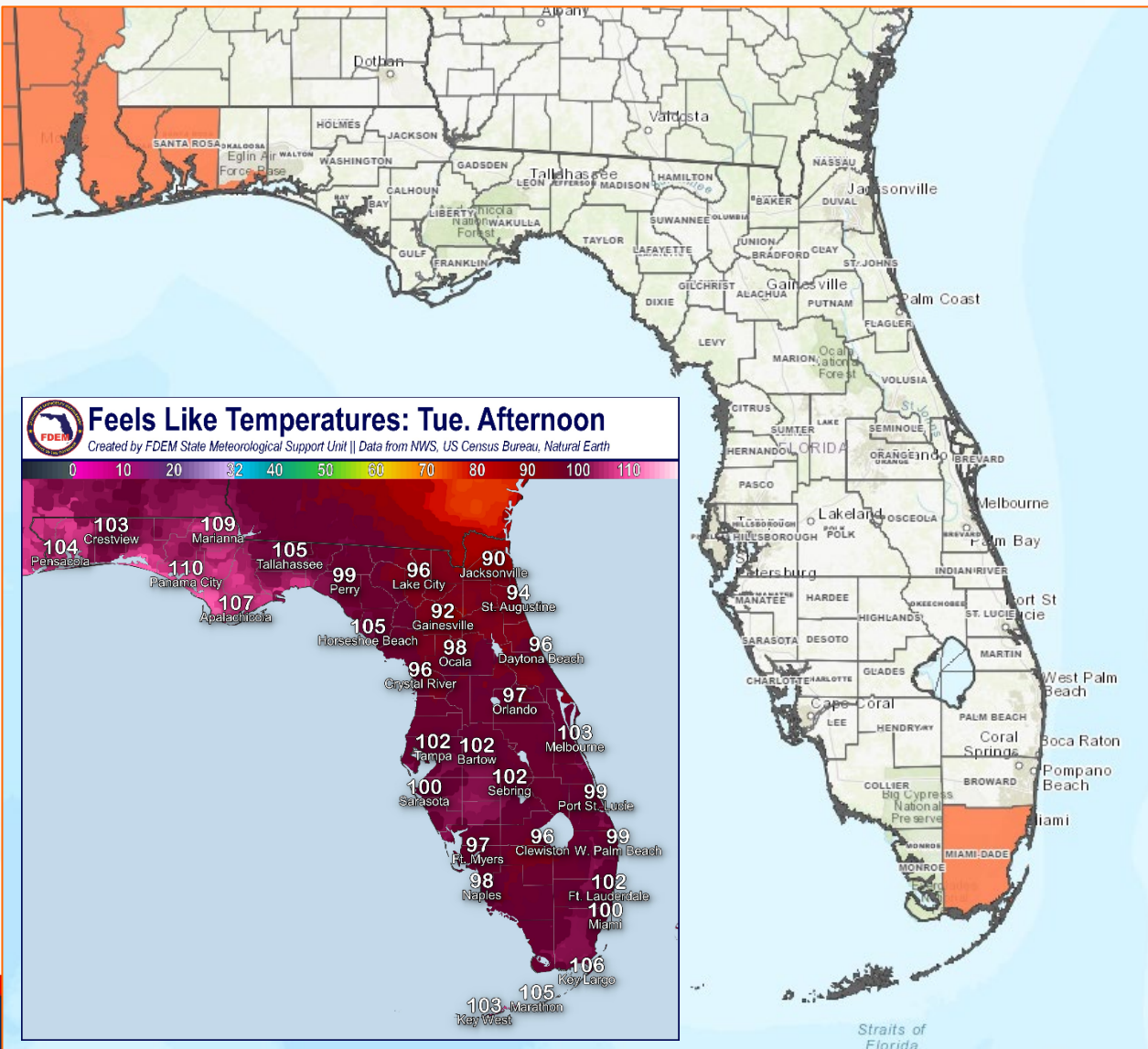
River Guage	County(ies) Affected	Current Level	Crest Level	Record Level	Status	Crest Date	Expires Day
Suwannee River at White Springs	Hamilton, Suwannee, Columbia	Minor: 77.75 ft	Moderate: 81.90 ft	87.70 ft	Rising	7-Aug	Until Further Notice
Suwannee River near Suwannee Springs	Hamilton, Suwannee	Minor: 60.87 ft	Major: 72.90 ft	78.20 ft	Rising	9-Aug	Until Further Notice

For more details on the hydrographs as well as impact statements, click the links for each river gauge.



Hot & Humid Conditions

From the National Weather Service (NWS)



Heat Indices in the upper 90s and triple digits can be expected nearly statewide today. **A Heat Advisory** is in effect through this evening across the Florida Keys where **heat index values of 111-degrees are expected**. Another **Heat Advisory** is also in effect through this evening for the far western Panhandle where **heat index values of 110-degrees are expected**.

Remember to take frequent breaks from outdoor activities, wear light clothing, and drink plenty of water.



Summary

FOUO – For Government Official Use Only

Tropical Storm Debby:

- As of 11:00 AM EDT, Debby has is located about 15 miles south of Savannah, Georgia and is moving east-northeastward at 6 mph.
- A slow motion toward the east and then north is expected through Thursday night.
- On the forecast track, the center of Debby is expected to move offshore the coast of Georgia later today, drift offshore through early Thursday, and then move inland over South Carolina on Thursday.
- Maximum sustained winds are near 40 mph with higher gusts and some strengthening is forecast on Wednesday and Thursday while Debby drifts offshore.

Florida Outlook:

- Over the past 24 hours, Debby has produced a widespread swath of 5-8" of rainfall along the Florida Gulf Coast and into the Suwannee River Valley, with locally higher amounts of 8-10" measured over the inland Florida Big Bend and south of Tampa Bay. The highest rainfall totals of 10-14" occurred over portions of Charlotte and Sarasota Counties and over the inland Florida Big Bend (mainly west of the I-75 corridor). With now localized rainfall totals in excess of 14-16" observed over the interior Suwannee River Valley (Suwannee, Columbia, Hamilton).
- **River Flood Warnings** have been issued across numerous North and West Florida Rivers they have reached or are forecast to reach moderate to major flood stage with several others forecast to reach minor flood stage.
 - Additional River Flood Warnings will be possible over the next several days as water filters through the basins into the rivers and waterways and further downstream; and updates to existing riverine flooding forecasts can be expected.
- Heat Indices in the upper 90s and triple digits can be expected nearly statewide today.
 - **Heat Advisories** are in effect through this evening across the Florida Keys and western Panhandle where **heat index values of up to 111-degrees are expected.**
- The Weather Prediction Center (WPC) is outlooking a **Moderate Risk (level 3 of 4) for Flash Flooding** along Northeast Florida where Debby remains within close proximity and will bring additional heavy rainfall throughout the day. The **Slight Risk (level 2 of 4)** extends just south of the moderate through Northeast Florida. There is a **Marginal Risk (level 1 of 4)** extending from the I-75 corridor through Lake Okeechobee as outer bands from Debby will extend southward and bring additional scattered showers and thunderstorms throughout the day due to lingering moisture.
 - Grounds and soils are very saturated following heavy rainfall over the last 48 hours before and after landfall, and any additional rainfall may **exacerbate the potential for additional flooding.**
 - Any heavy downpours over urban and low-lying/poor drainage areas could bring **instances of flash flooding.**
 - A **Flood Watch** remains in effect for portions of Northeast Florida through this evening.
- Locally strong to severe thunderstorms producing frequent lightning, gusty winds (40-50 mph) and heavy downpours cannot be ruled out during peak heating hours of the day.

The next briefing packet will be issued Wednesday. For the latest information, please visit the [National Hurricane Center website](#).



Tropical Update

FOUO – For Government Official Use Only



Created by:

Melissa James, Deputy State Meteorologist

Melissa.James@em.myflorida.com

State Meteorological Support Unit

Florida Division of Emergency Management

Users wishing to subscribe (approval pending) to this distribution list, register at:

https://public.govdelivery.com/accounts/FLDEM/subscriber/new?topic_id=SERT_Met_Tropics.

Other reports available for subscription are available at:

<https://public.govdelivery.com/accounts/FLDEM/subscriber/new?preferences=true>