



# National Weather Service Tampa Bay Area, Florida



## Heavy Rain / Localized Flooding 8 AM EDT - May 22, 2018

**Overview:** Scattered showers and storms will again be possible today, adding to already saturated soils and high river flows. Showers and storms, with locally heavy rainfall, remain in the forecast through the weekend. A tropical disturbance emerging from the Caribbean into the eastern /central Gulf of Mexico brings a renewed threat for more widespread heavy rainfall later Friday into Sunday.

### Watch, Warnings, Advisories:

- River Flood Warnings.

### Impacts:

- Additional widespread 3 to 5 inches of rain expected through Tuesday.
- Locally heavy rainfall amounts in excess of 6 inches possible through the week.
- Localized flooding likely in areas that see higher rain totals.
- Stream and river flooding concerns through the week due to the continued threat for heavy rain.

### Tropical Disturbance this weekend: Friday into Saturday

A tropical disturbance expected to move into the Gulf of Mexico later this week has a 60% chance of development. This system is currently disorganized, and therefore has a large degree of uncertainty as to its evolution.

Regardless of development, the main threat to our area looks to be additional heavy rainfall, and associated impacts.

We will monitor this system closely through the week and relay any new information and/or weather threats.

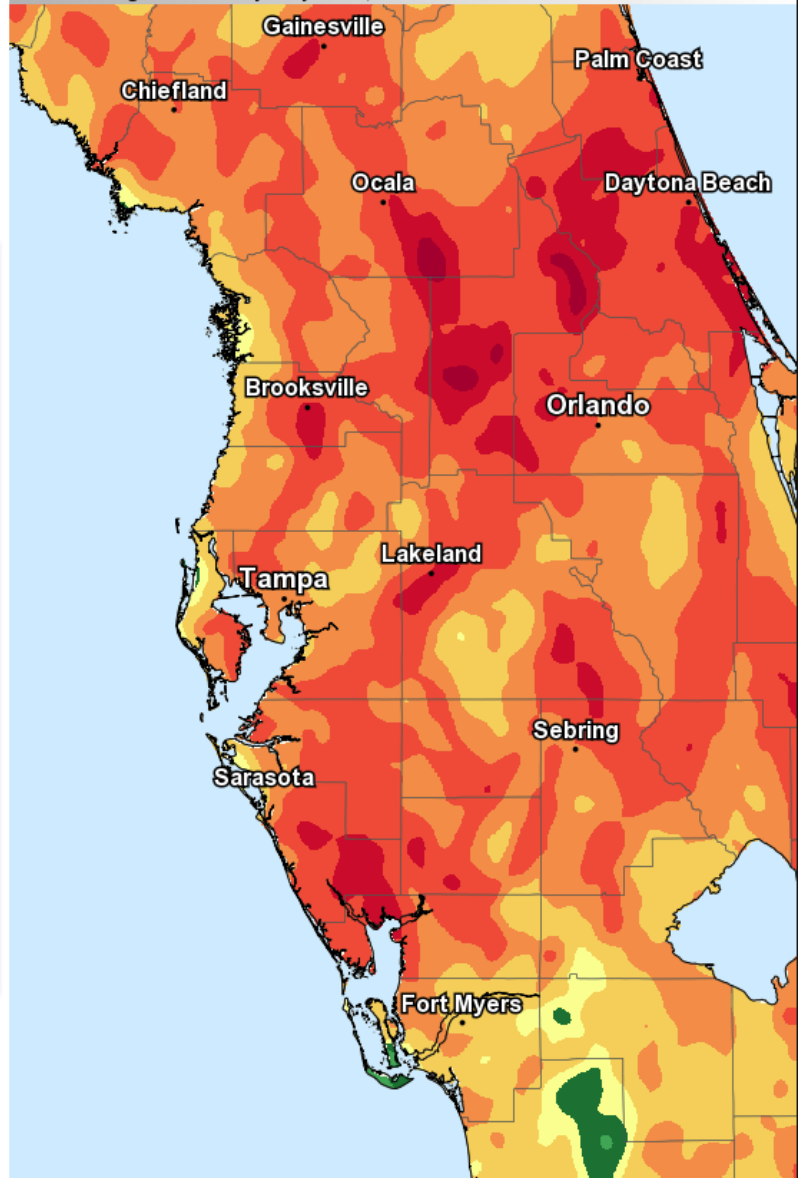


# Observed Weekly Rainfall Since Last Monday (5/15-5/22)

## Observed Precipitation



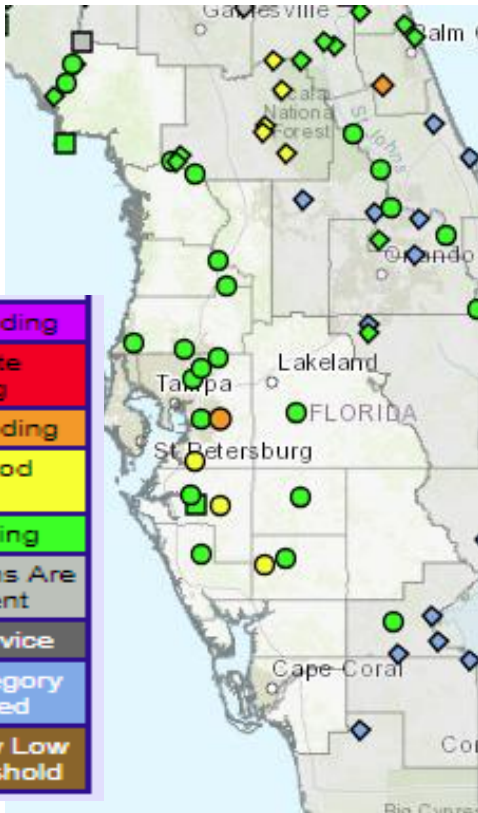
Valid Ending Wednesday May 23rd, 2018 at 5 AM EDT



Widespread rainfall totals of 3-6" with local maximum values over 8" have fallen during the previous seven days. Impacts across the area include:

- High river flows / Minor river flooding
- Saturated soils, increasing potential for localized flooding from additional rainfall.

# Current & Forecast River Levels



River and streams are running high from recent rainfall.  
Current rivers in flood stage:

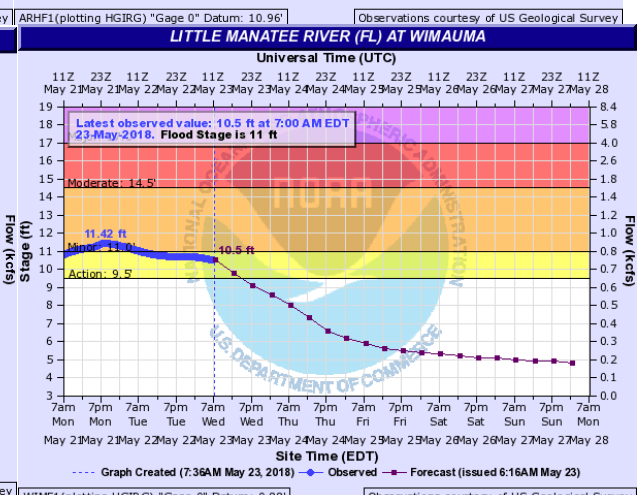
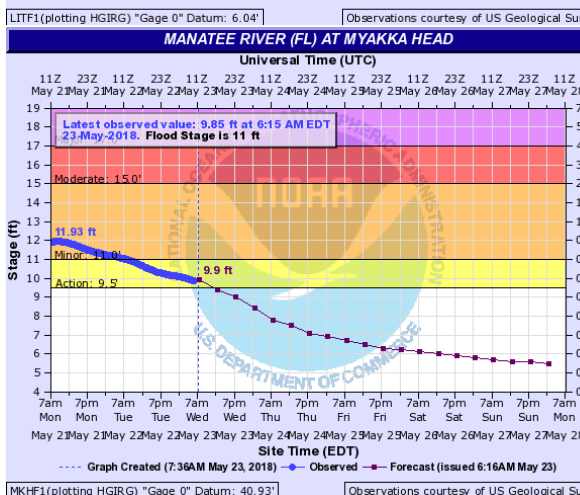
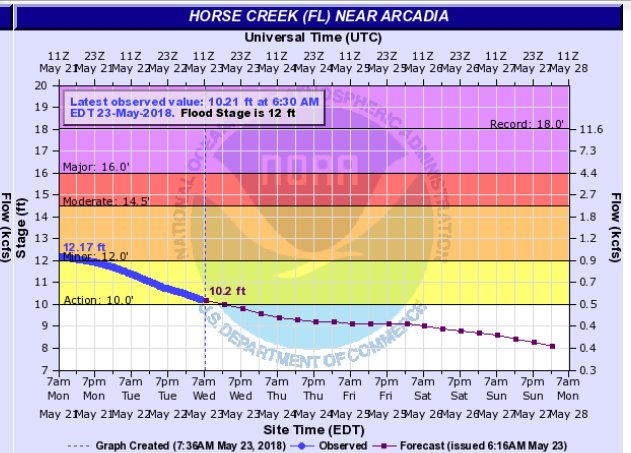
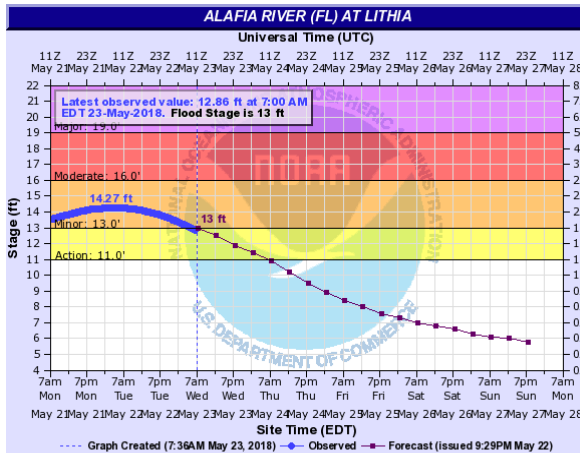
- Alafia – Lithia

Rivers near Flood Stage:

- Little Manatee – Wimauma
- Manatee River – Myakka Head
- Horse Creek- Near Arcadia

Current river forecasts can be found at :

<https://water.weather.gov/ahps2/forecasts.php?wfo=TBW>



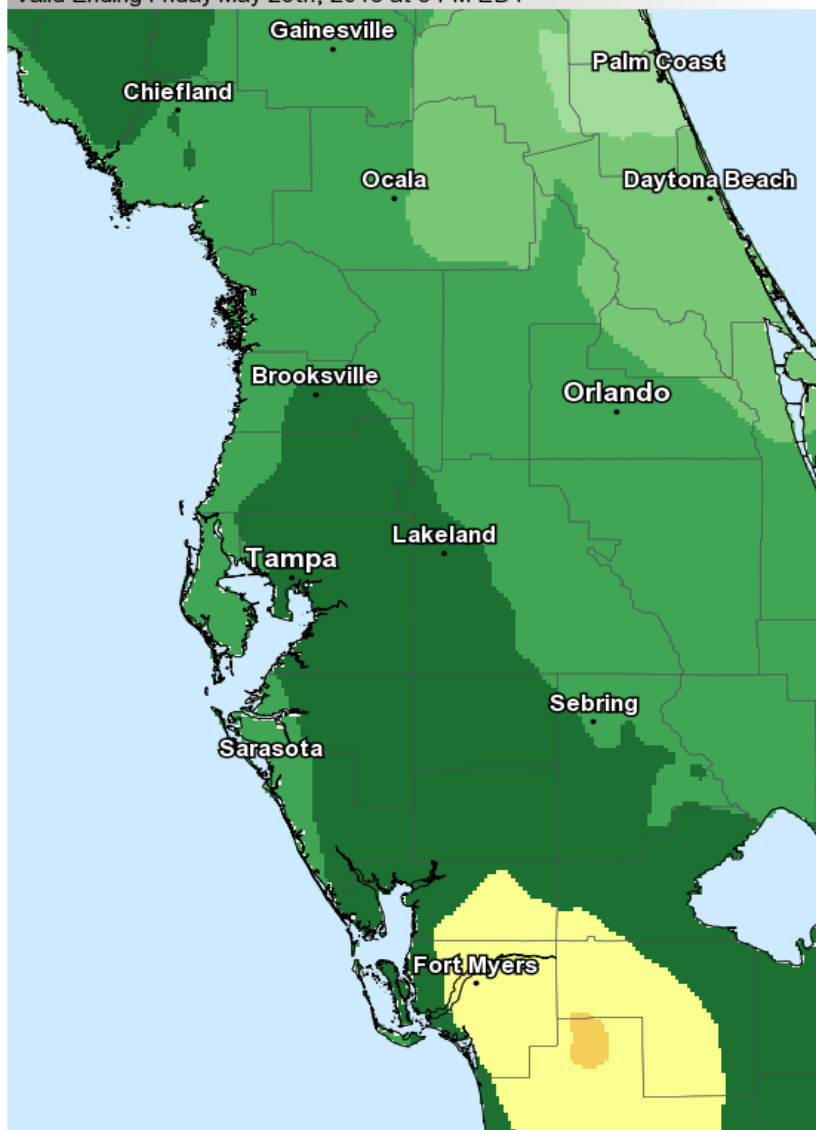
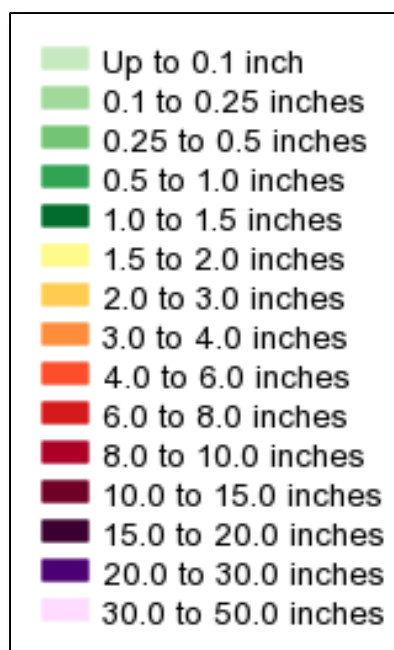
# Forecast Rainfall Totals

## Wednesday – Friday (5/23 - 5/25)

### Forecast Precipitation

National Weather Service

Valid Ending Friday May 25th, 2018 at 8 PM EDT



Through the next 3 days:

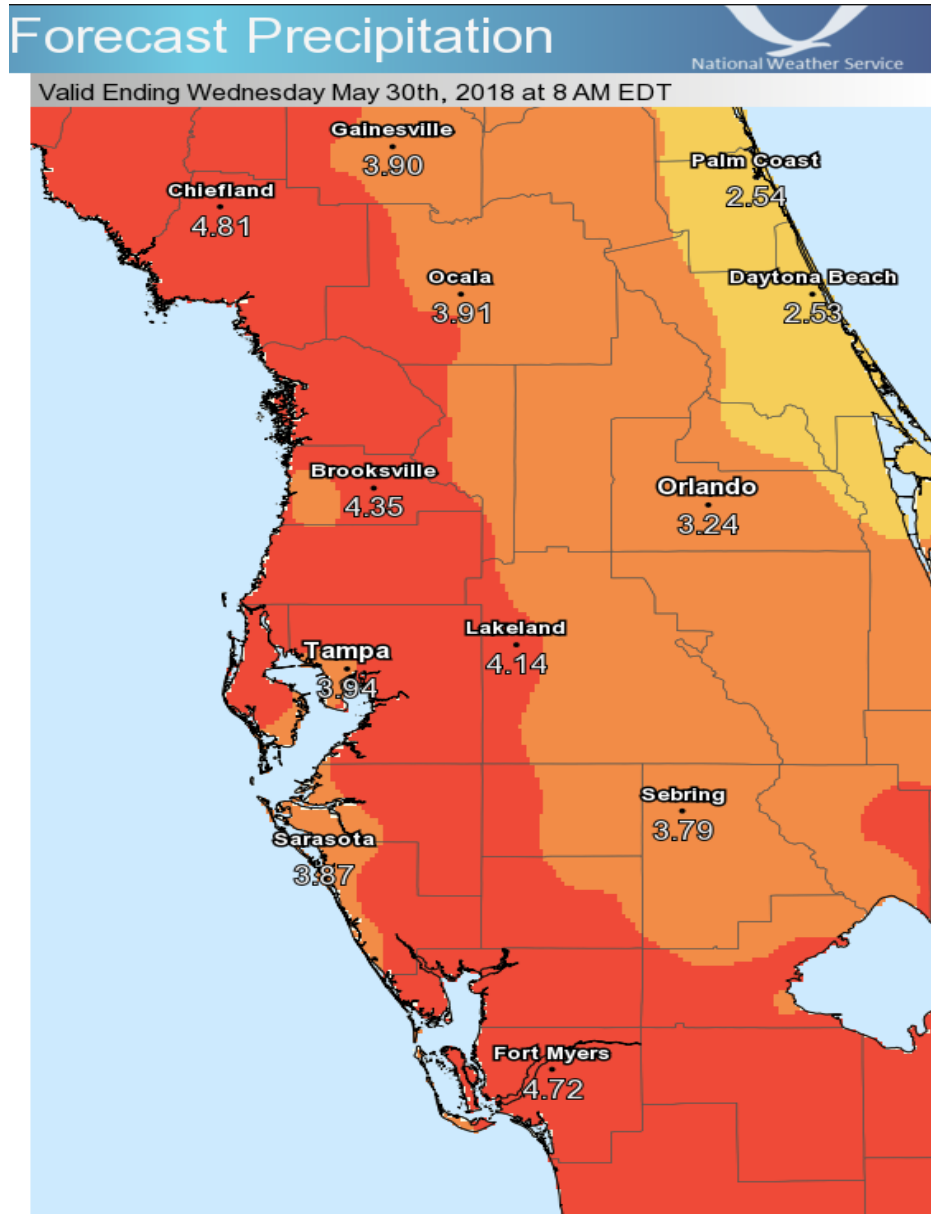
- Widespread 1-3" additional rainfall totals
- Localized totals in excess of 5" likely.

Small clusters of slow moving storms can quickly drop several inches of rainfall, allowing the localized maximum values to occur. These localized excessive rains are difficult to forecast several days in advance.



# Forecast Rainfall Totals

## Wednesday- Tuesday (5/23 - 5/29)



Through the next 7 days:

- Widespread 3-5" rainfall totals
- Localized totals in excess of 6" likely anywhere.

We are monitoring a weak disturbance that will move north from the Caribbean into the Gulf of Mexico late in the week. Eventual rainfall totals will depend highly on this system, and may be significantly higher than shown above.

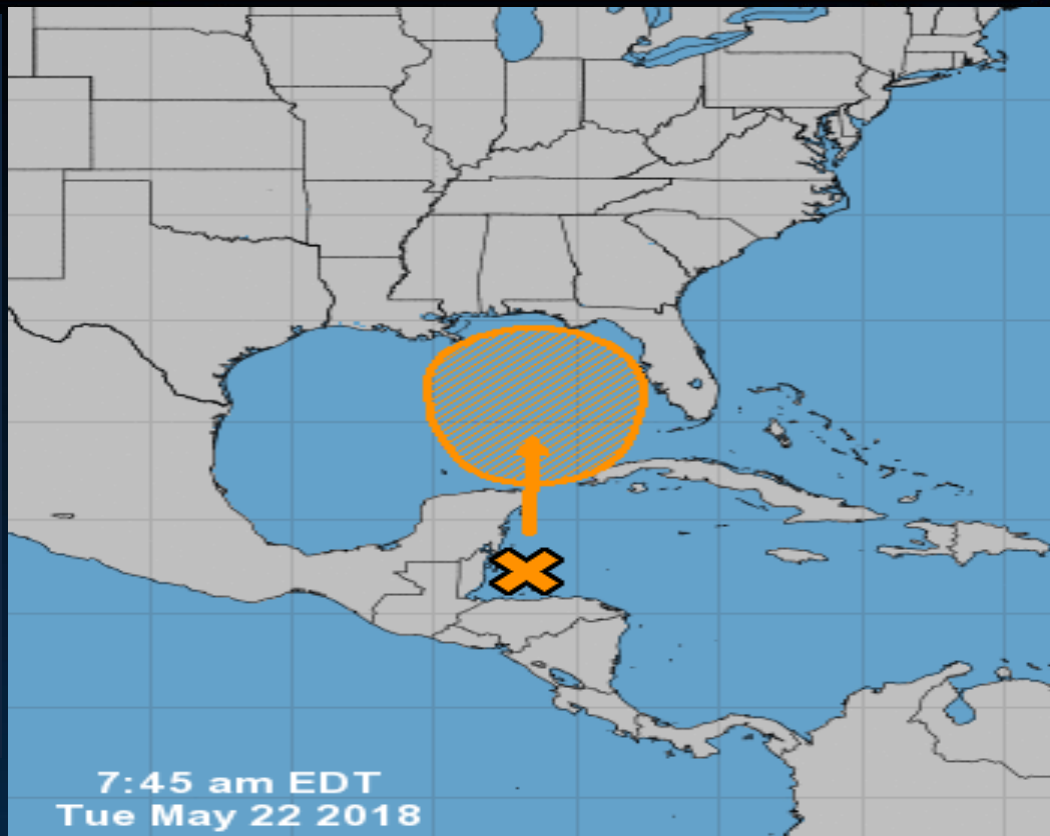
# Tropical Update – Next 5 Days

## Development Outlook

**2 Day: Near 0%**

**5 Day: 60%**

*Tropical development does not need to occur to bring the threat for heavy rainfall to the region*



Disturbance moves north into the central / eastern Gulf of Mexico late in the week (Friday and Saturday).

- National Hurricane Center tropical development forecasts:
  - 0% through next 2 days
  - 60% through next 5 days
- Regardless of any tropical development, the main threat to the Florida peninsula, should this system move into the eastern Gulf of Mexico, will be:
  - Heavy rainfall
  - River flooding