

Decision Support Briefing

Southeast River Forecast Center



Decision Support Briefing

Hydrologic Vulnerability Assessment
for the GA, SC, NC, VA...

TS Eta update

Issued: 12:11 PM ET Tuesday, November 10, 2020



Weather Ready Nation



NWSSERFC

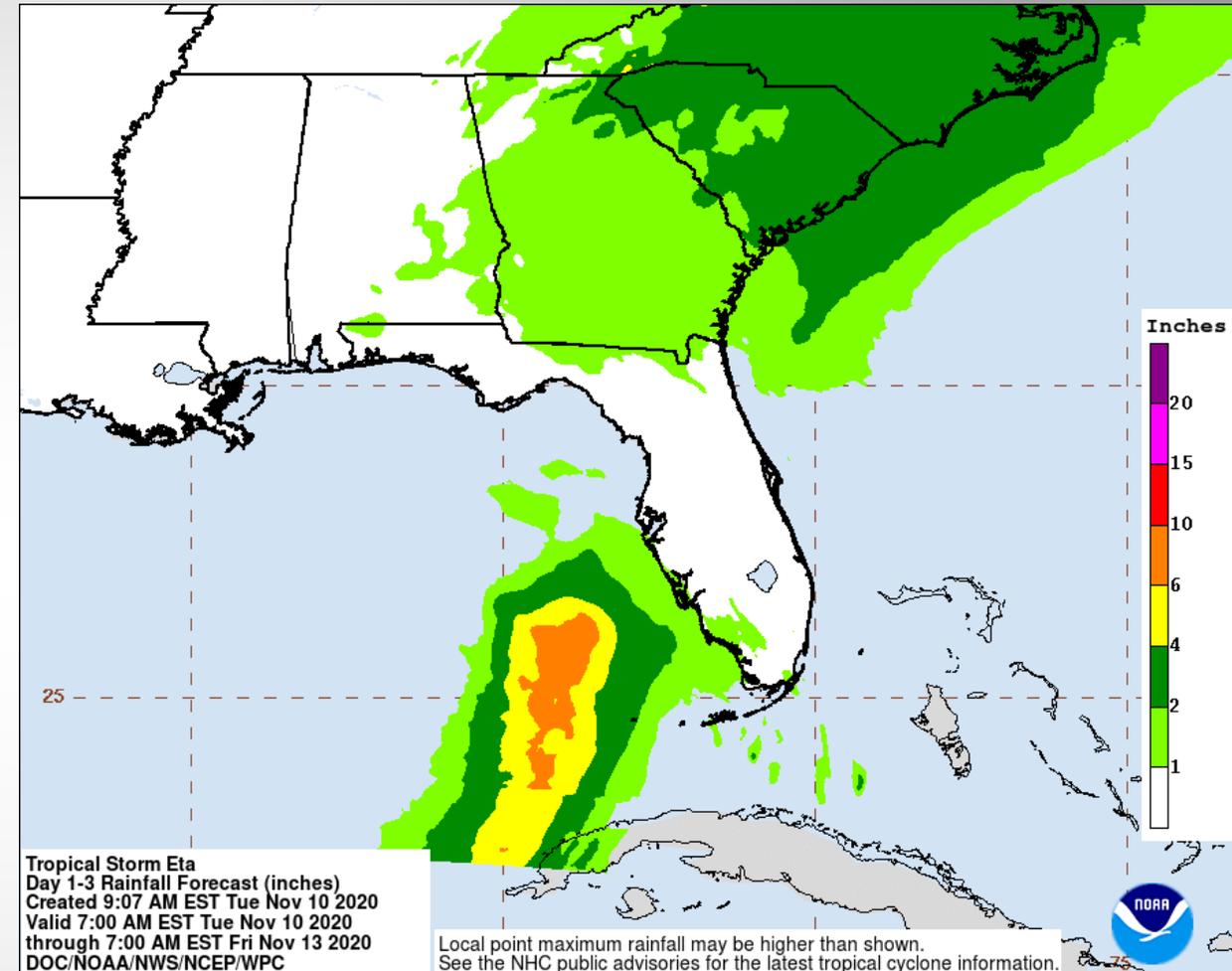
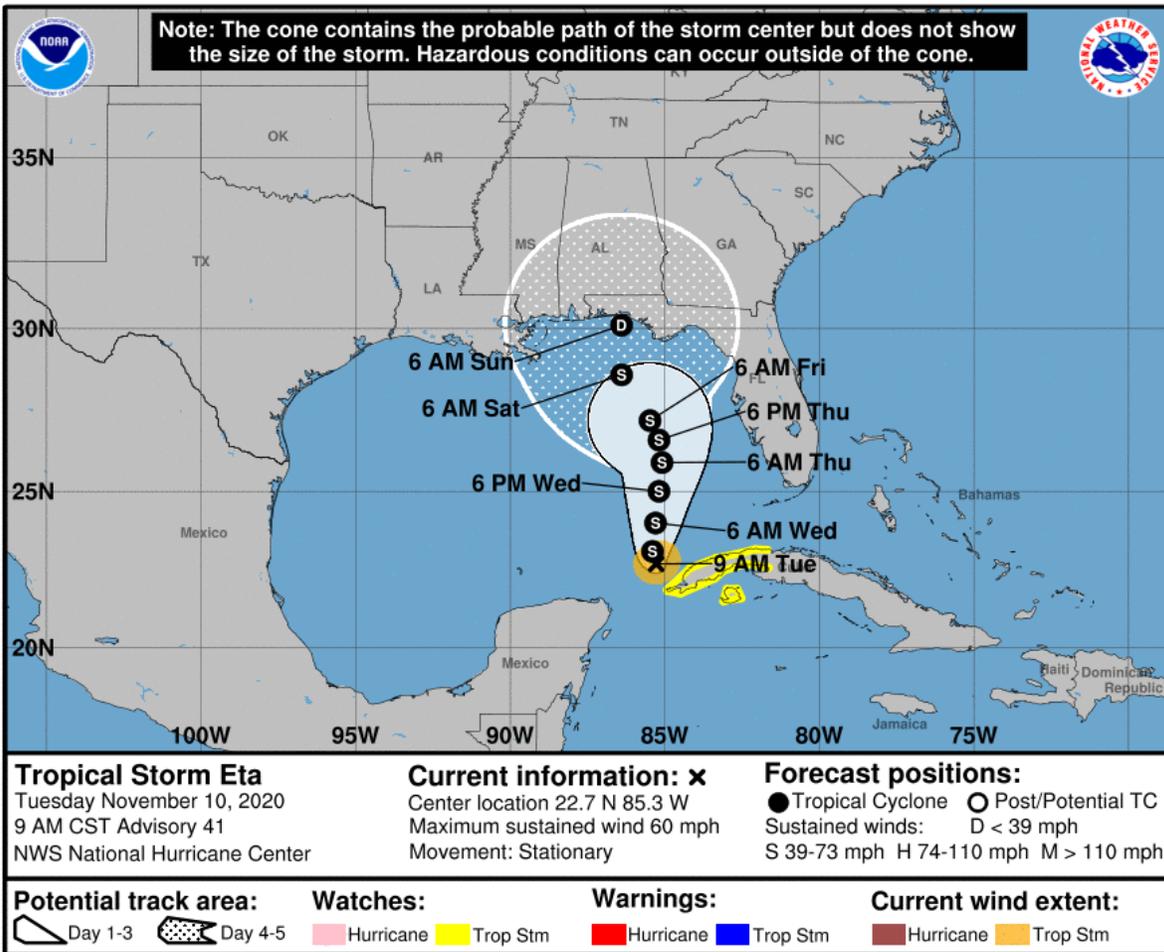


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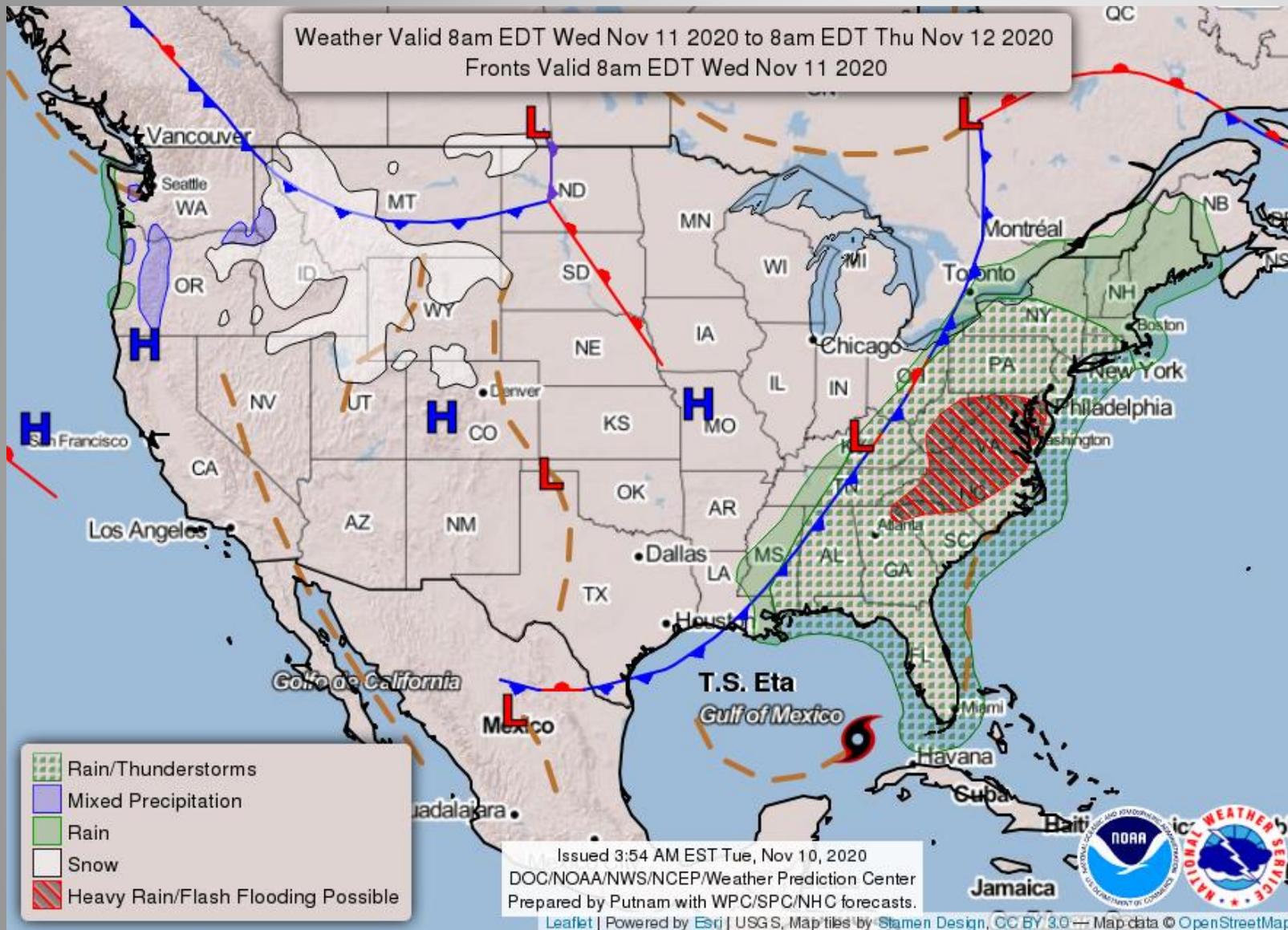


- **Tropical Storm Eta is expected to drift north in the Gulf of Mexico, lowering the chances for widespread heavy rainfall across Florida.**
- **Across Georgia, the Carolinas and Virginia, away from TS Eta, rainfall associated with a cold frontal passage interacting with tropical moisture later this week is expected to produce heavy rainfall...minor flooding is possible.**

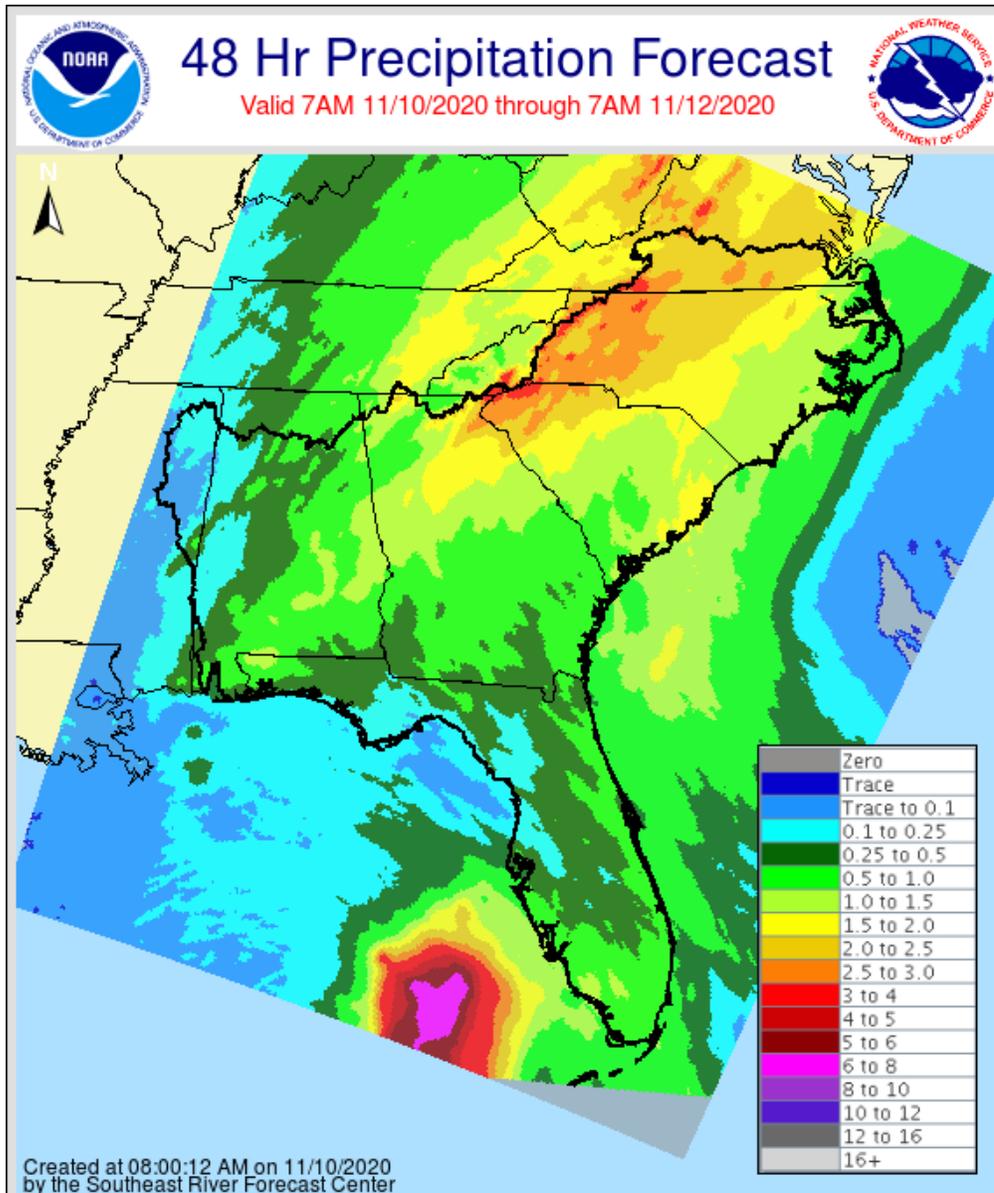
Tropical Storm Eta



Tropical Storm Eta is in the Gulf of Mexico and is moving very slowly north. It is expected to weaken as it approaches the gulf coast. Rainfall from the storm is not expected to affect the SE US through the week. However, continue to watch the forecast for changes that might affect coastal Florida.



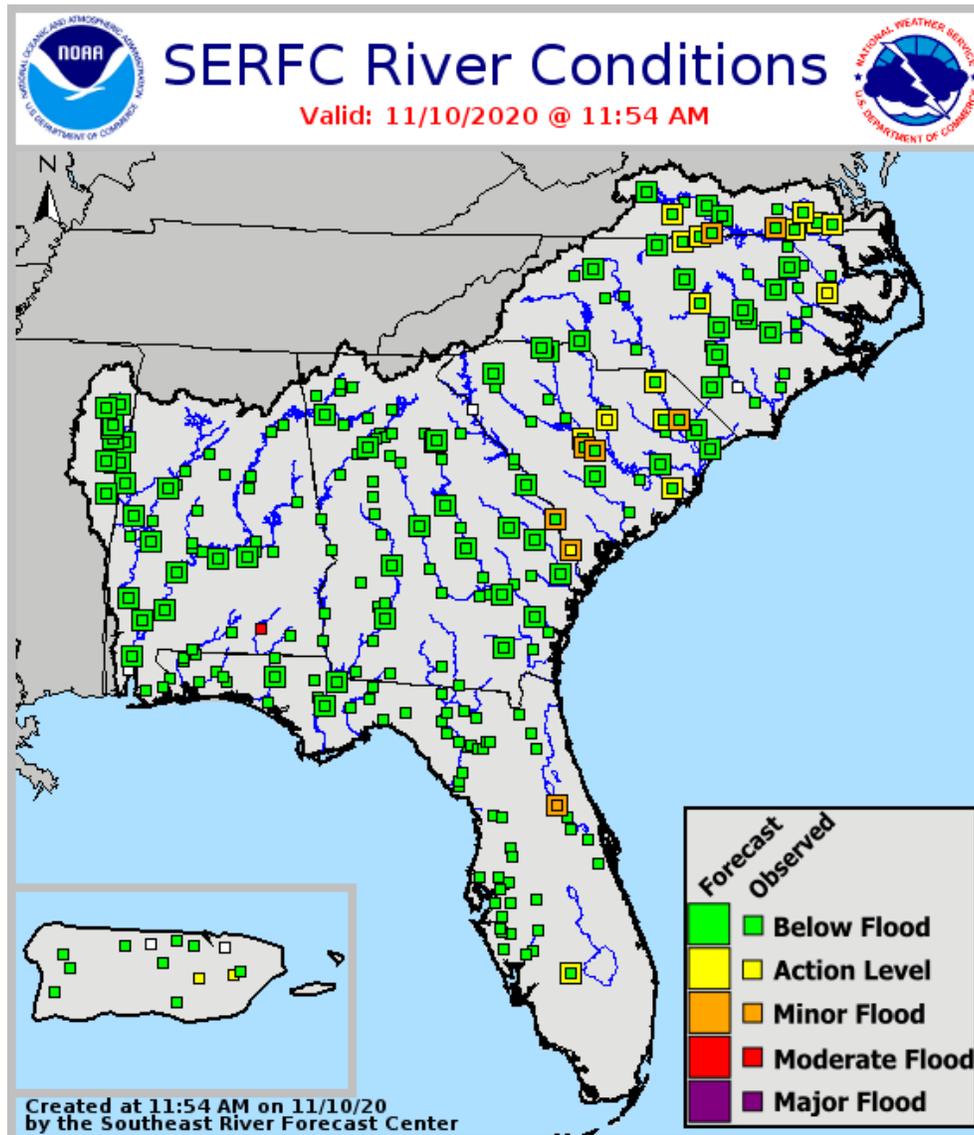
For Wednesday into Thursday morning, the combination of tropical moisture and an advancing front is forecast to pose a heavy rain threat across the Southeast, from northeast Georgia through the Carolinas and into Virginia.



Here is the 48-hour rainfall forecast from 7 am Tuesday thru 7 am Thursday. The heaviest rain is expected in Georgia and the Carolinas along the Appalachians.

This 48-hour rainfall depiction is what is being used in the SERFC river models to produce river forecasts this morning.

Please continue to monitor river forecasts as this event evolves.



Here is the map depicting river forecasts from the SERFC. These include past rainfall and a 48-hour rainfall prediction.

With rainfall ahead of the storm and rain associated with the storm track still having some uncertainty, please visit the SERFC website or your local weather forecast office website for updated information regularly.

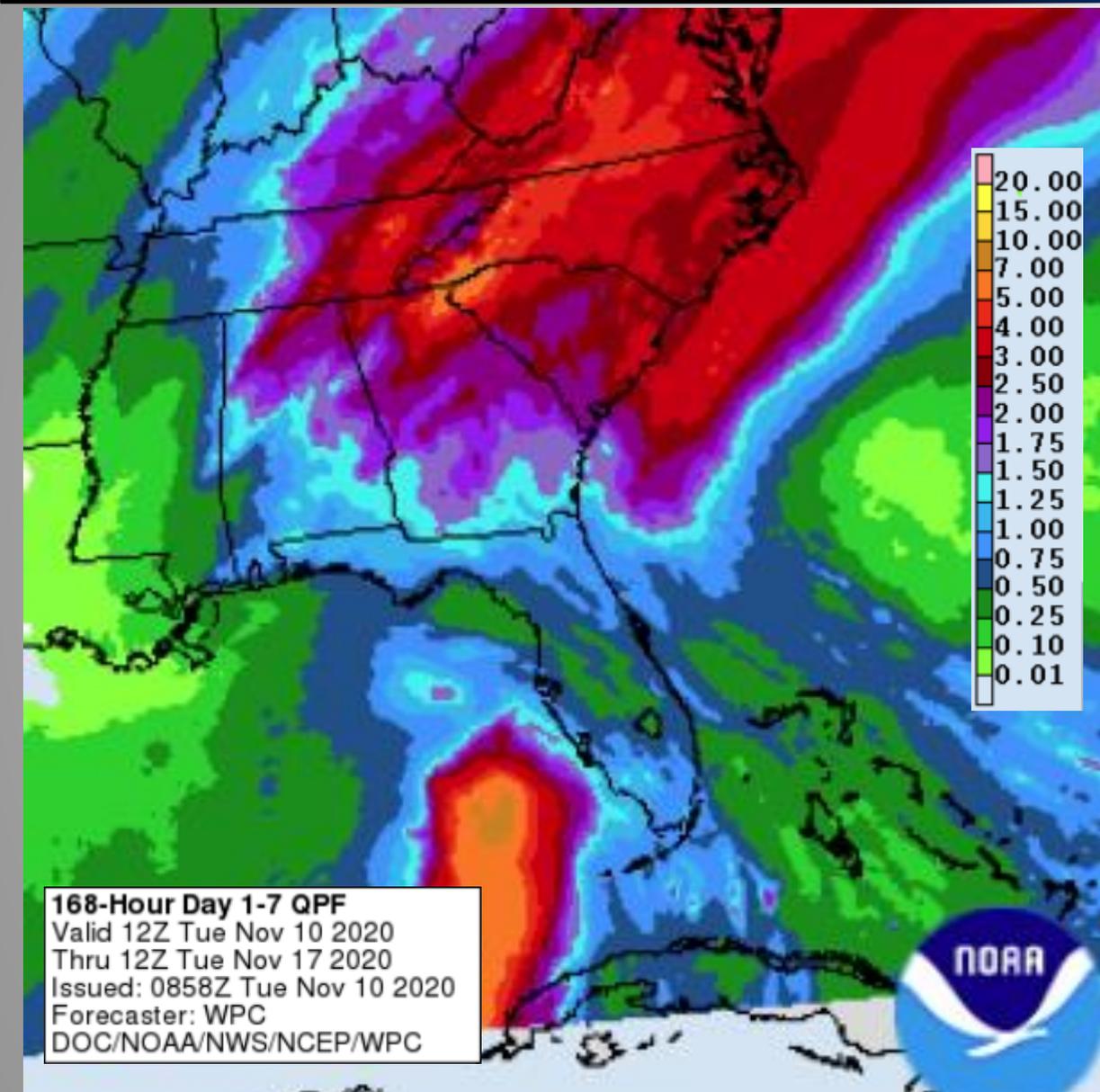
<https://www.weather.gov/serfc>

Southeast Heavy Rain Threat

Rainfall 7 am today through 7 am Tuesday 11/17

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Here is the rainfall depiction for the next 7 days. The heavy rain threat is highest in north Georgia, South Carolina, North Carolina, and Virginia.

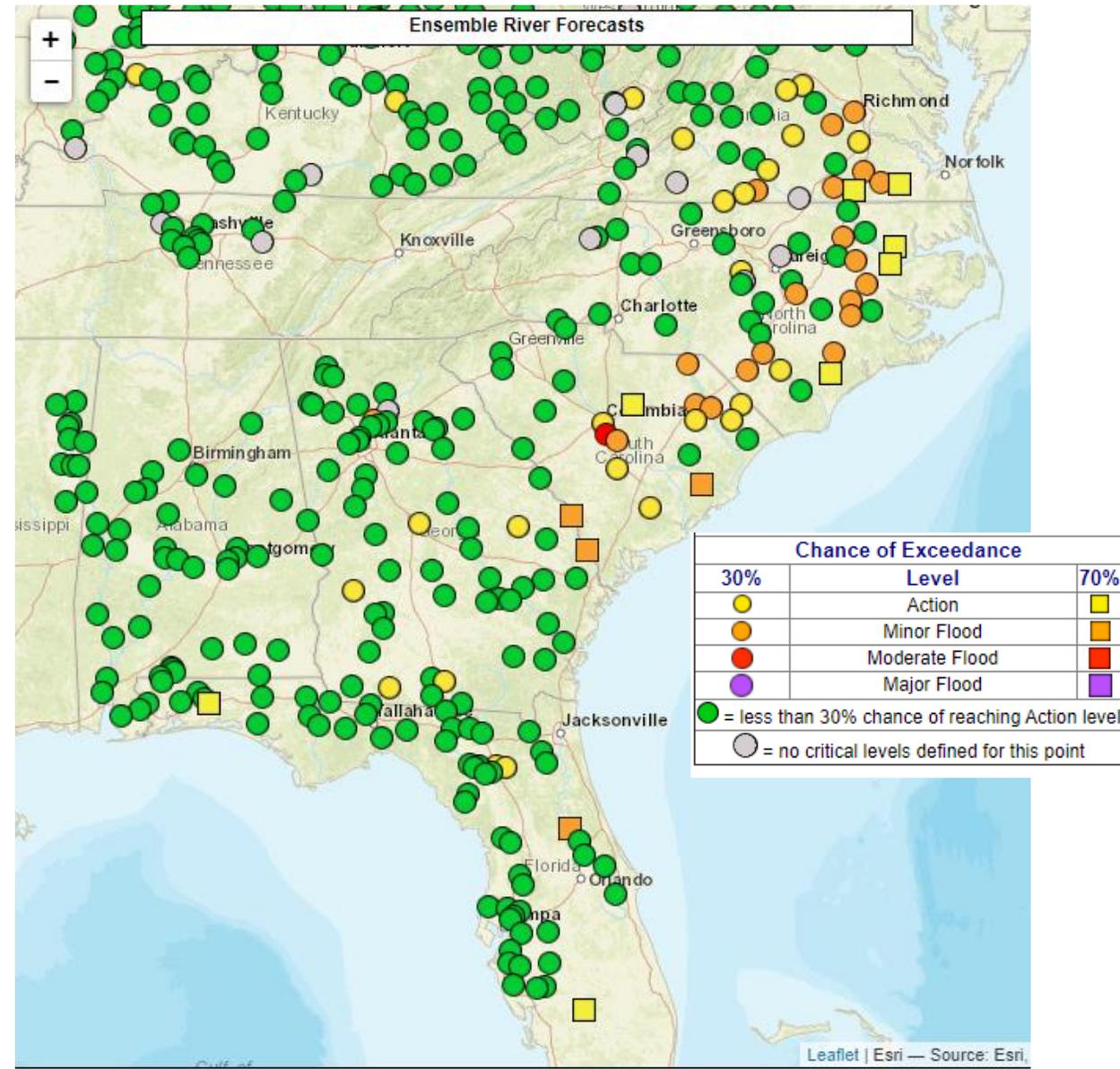
While the most intense rain is expected Wednesday and Thursday associated with the cold front moving into the Southeast, rainfall will accumulate throughout the week and into next weekend until a strong cold front finally pushes through and drier air replaces all the tropical moisture by next Monday.

River Flood Potential next 10 days

Meteorological Model Ensemble Forecast System

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Here is our MMEFS 10-Day River Ensemble Forecasts to address potential flooding later in the week.

The expectation is there will be bankfull and minor river flooding for the southeast U.S.

Moderate flooding is not expected but might be possible in areas of intense rainfall.

For more details about MMEFS, please use the link below:

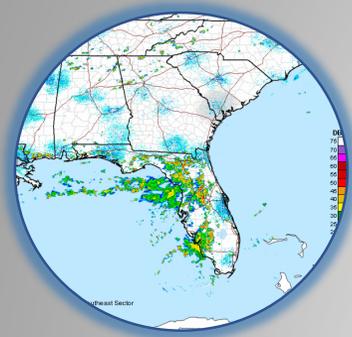
<https://www.weather.gov/erh/mmefts>



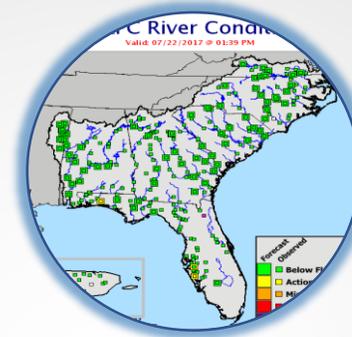
- SERFC is on normal operating hours. Normal hours are 6 am to 10 pm ET. Please contact us if you have any questions or concerns.
- Additional briefings are likely over the coming days.

Latest River Stages and Forecasts
are available...click here!

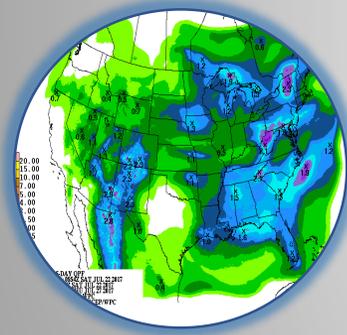
Please send all operational correspondence to
sr-alr.rivers@noaa.gov or call the office directly.



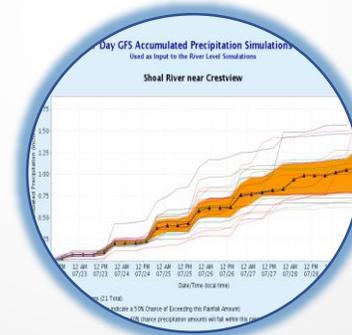
[Latest Radar](#)



[SERFC Quick Brief](#)



[Latest Forecast Rainfall](#)



[MMEFS – Ensemble River Forecasts](#)



- *The Decision Support briefing will continue over the next few days to update you on current conditions and changes to the forecast.*
- *These slides are intended for your use. Please feel free to share these with others. If you have any questions please email sr-alr.rivers@noaa.gov or contact your local NWS Weather Forecast Office.*
- *Remember: SERFC briefings cover freshwater flooding. For information on coastal and tidal flooding, flash floods, winds, and severe weather risks, please contact your local Weather Forecast Office.*