National Weather Service
Southeast River Forecast Center

Daily Operational Support Message

issued

Thursday, September 7th, 2017

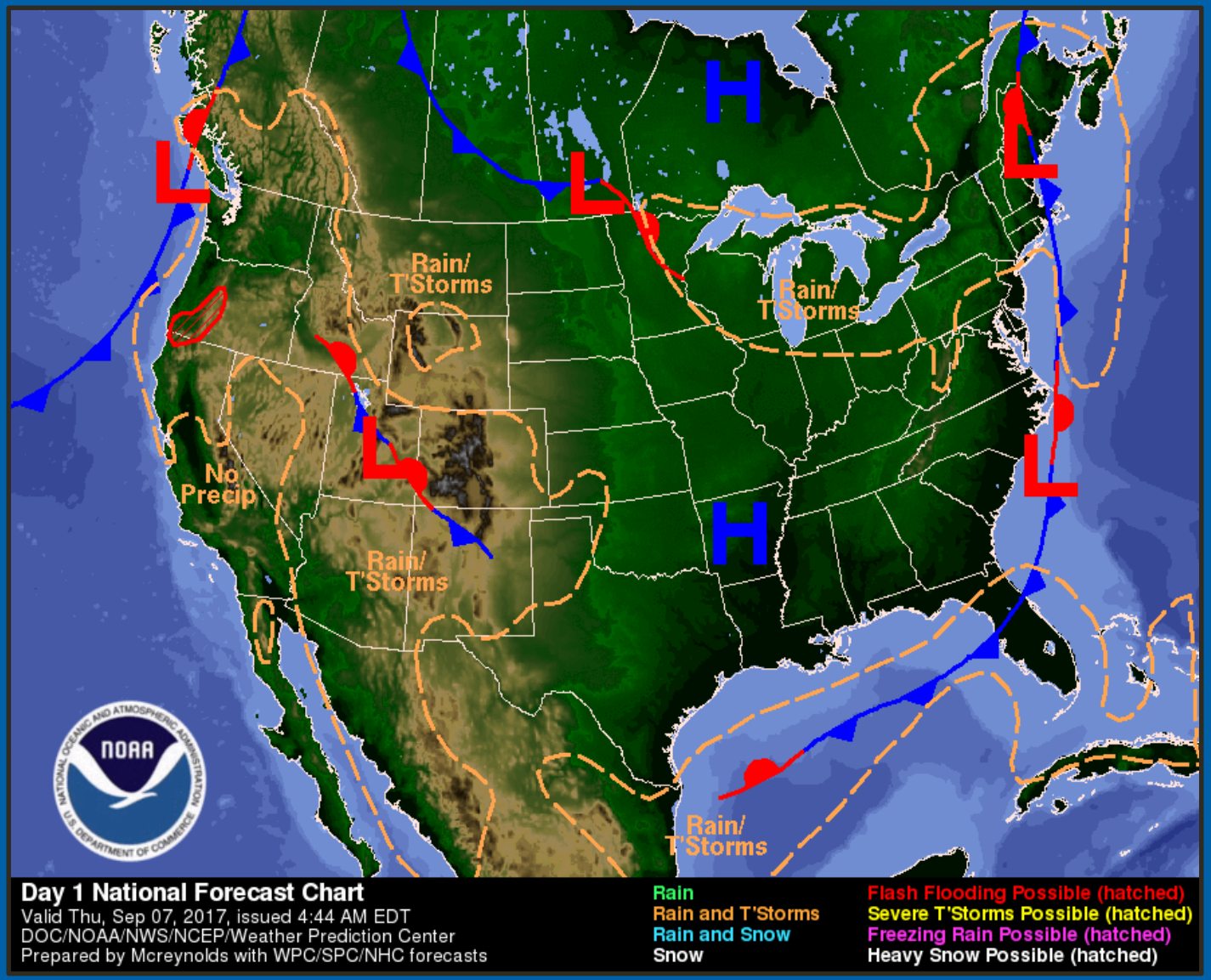
for

The Southeast US

Talking Points

- Hurricane Irma continues it's trek west and is forecast to impact south Florida sometime on late Saturday into Sunday.
- There is still uncertainty in the forecast and a 50 or 100 mile shift in the forecast could change the impact in your area.
- Stay tuned to your local National Weather Service Office for regular updates.

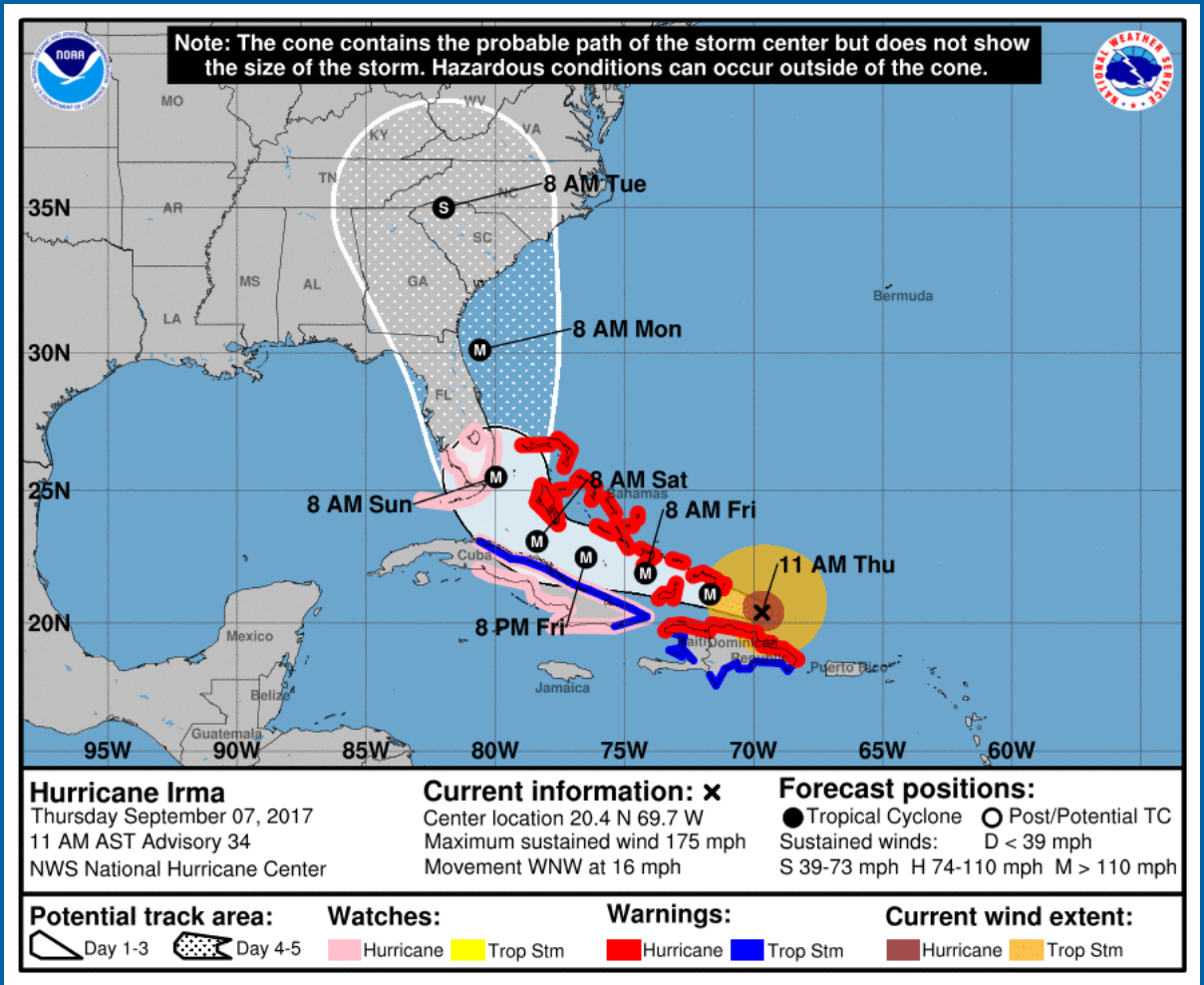
Current Weather Map



A front that is draped over Florida has cleared out the southeast to drier and cooler conditions. This will persist through the weekend for all but central and south Florida.

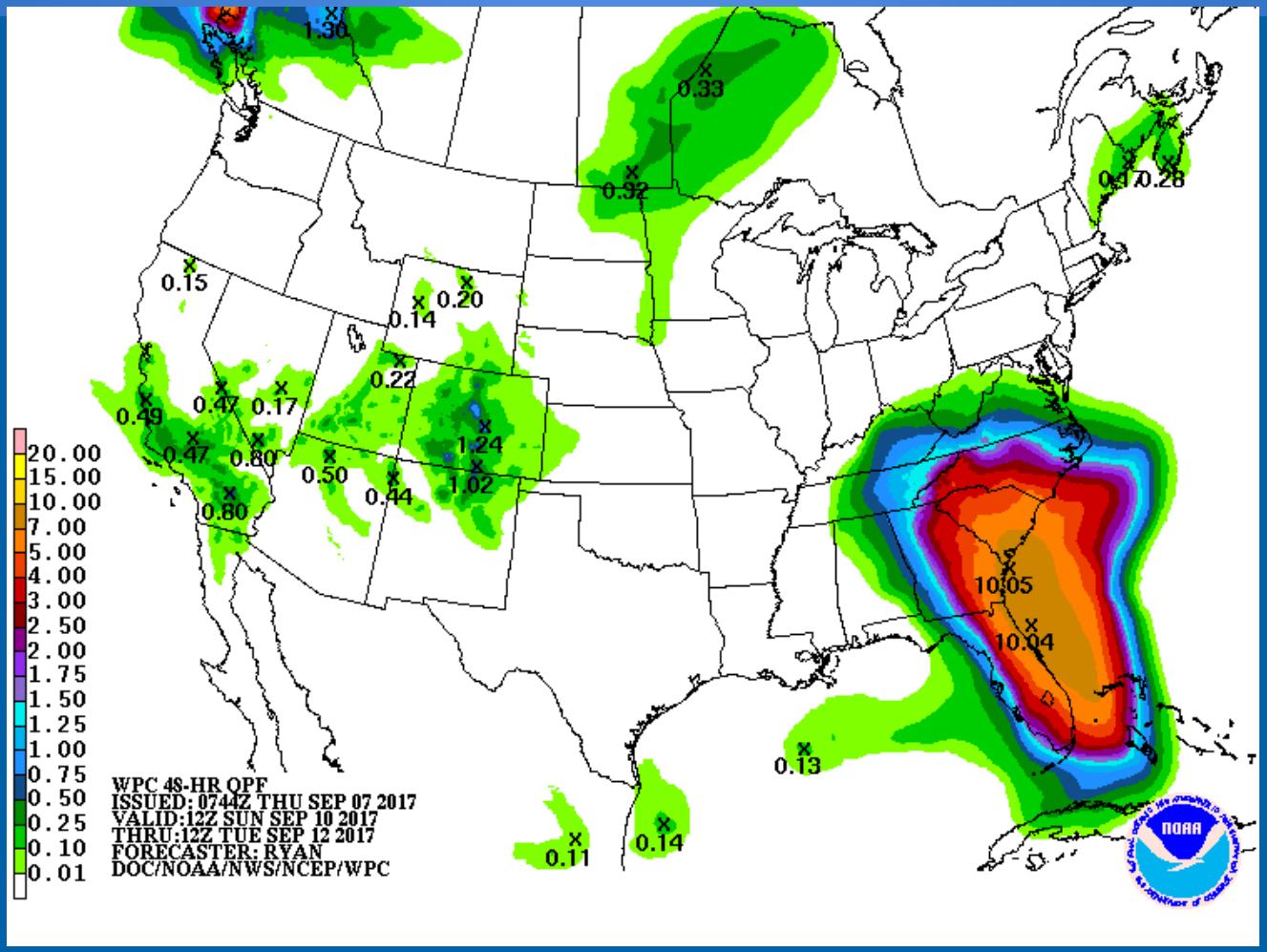
Scattered rain in Central and South Florida until late Saturday into Sunday when Hurricane Irma approaches.

Hurricane Irma



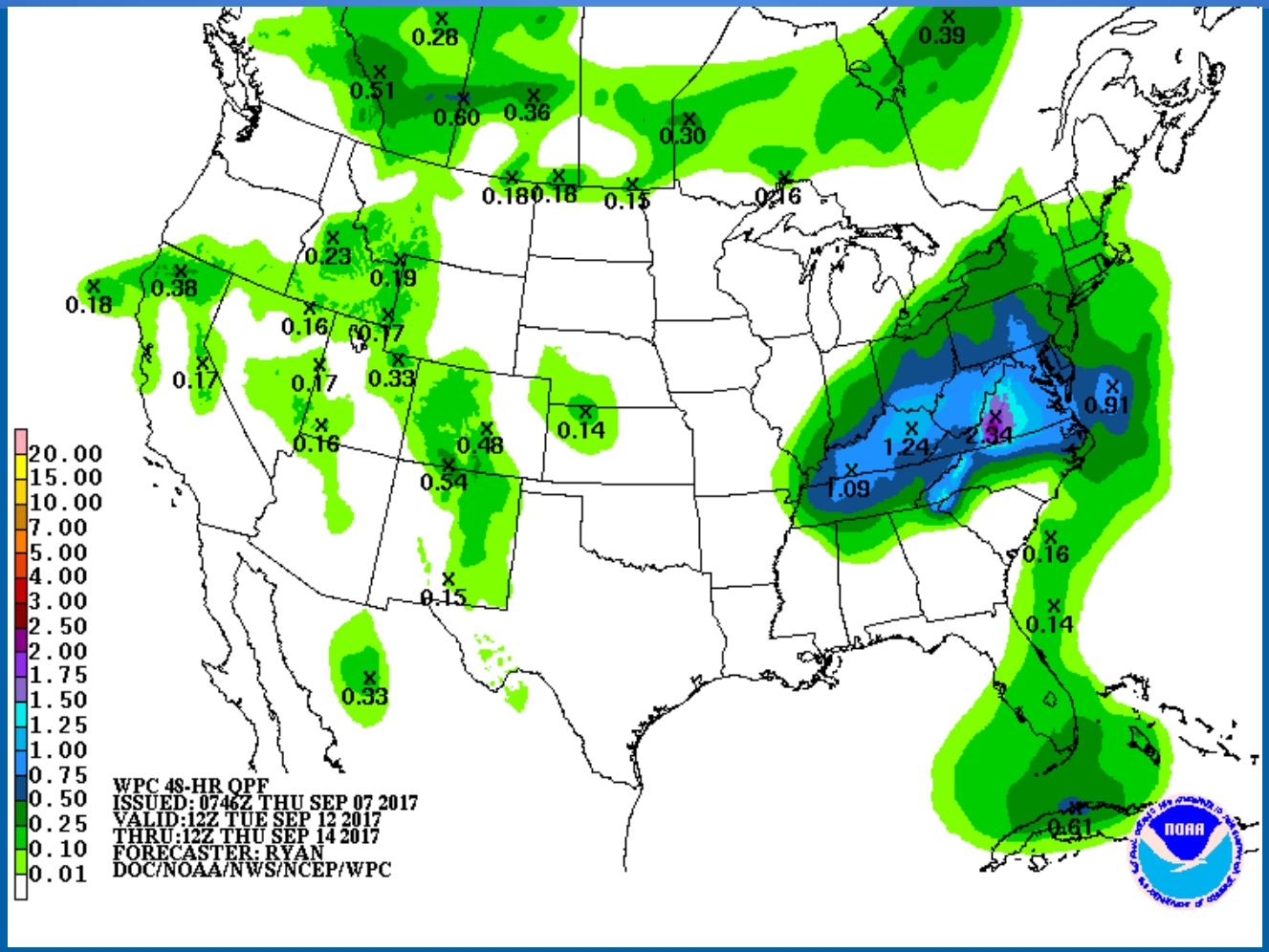
Hurricane Irma continues to trek west and rain will likely affect Florida sometime late on Saturday. The forecast continues to evolve…but has become more consistent. Check back often for further updates. This graphic will not update in the powerpoint version…however, you can click on the graphic and get to the forecast updates from the National Hurricane Center.

Day- 4 and 5 Forecasted Rainfall
Weather Prediction Center



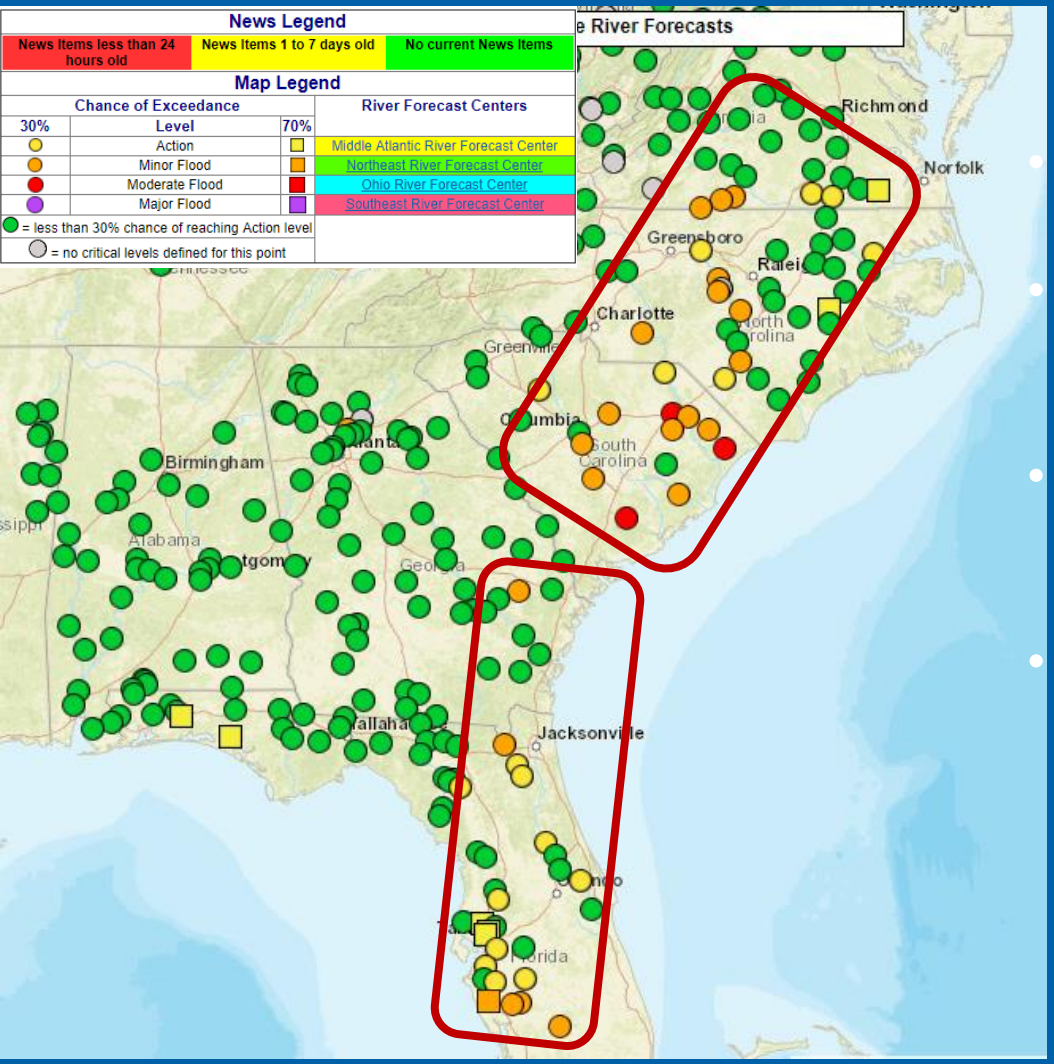
Here is the predicted rainfall forecast for Sunday Morning at 8am to Tuesday morning at 8 am. This forecast is contingent on the Hurricane Track forecast. As it changes, this forecast could change as well.

Day-6 and 7 Rainfall
Weather Prediction Center



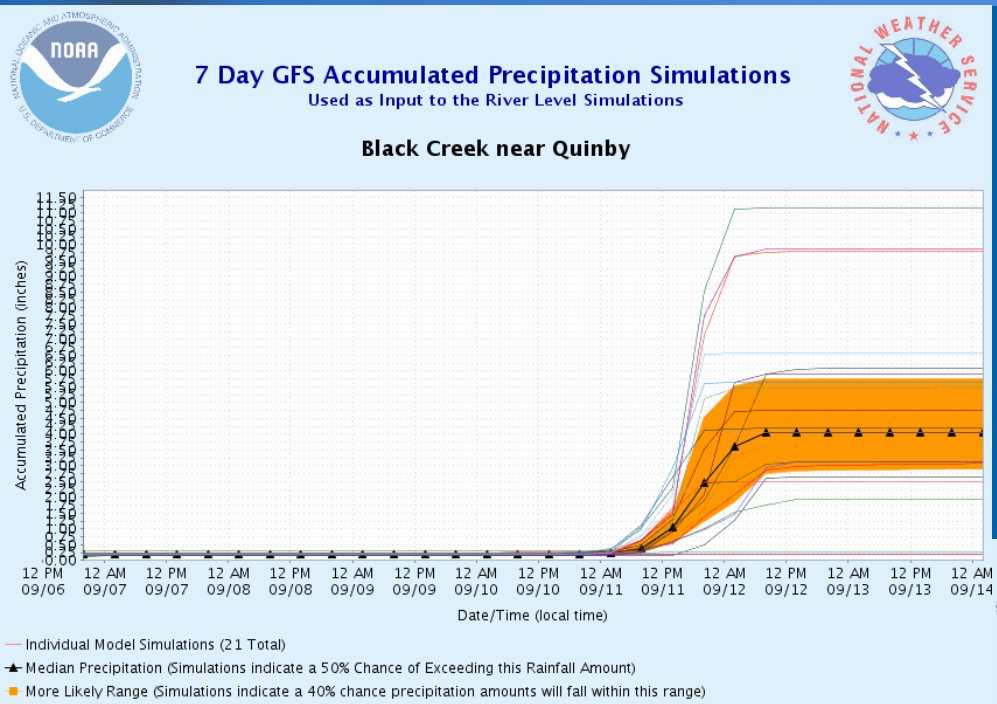
As with the day 4/5 forecast rainfall, this forecast is contingent on the forecast rack of Irma. This storm is forecast to move fairly quickly. This will help keep widespread heavy rain from occurring. If this storm slows down for some reason, then we would reevaluate. Flooding continues to be a significant risk in the southeast.

Multi-Model Ensemble Forecast System (MMEFS)

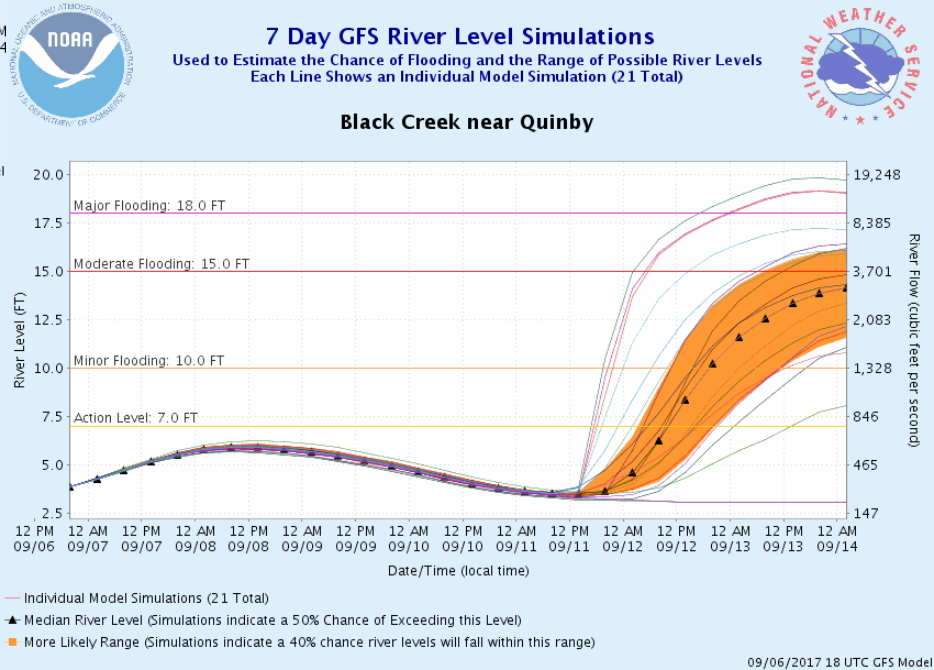


- Here is our MMEFS. These take multiple models to produce a range of possible forecasts.
- http://www.weather.gov/erh/mmefs
- Below is a link to receive more information about this product and how to use it.
- http://www.weather.gov/media/serfc/EnsemblesfactsheetMMEFS.pdf
- There is concern for areas in the red based on current forecasts. However, everyone in the southeast needs to continue to monitor these for changes to the forecast. Each successive model run could show a new scenario.

Multi-Model Ensemble Forecast System (MMEFS)



- The image on the upper left shows the numerous rainfall scenarios from the GEFS model
- Notice the large spread of rainfall potential. From about 1 ½ inches to as much as 11 inches. This is an indication of the uncertainty and is not unusual, especially this far out from the potential rainfall.



- The image on the lower right shows how the rainfall traces affect what we see in the river model.
- As we get closer in time to the event, the expectation is that range will shrink and there will be more confidence in the forecast.
- Please check each of those forecast points that might impact your area for updates.

SERFC Operational Status

- SERFC will resume normal operations until Hurricane Irma begins to impact Florida. Normal operating hours are 6 am to 10 pm…7 days a week.
- The next Daily Operational Support Message will be out on Friday, September 8th.
- Please check back often to both the SERFC page and your local weather office for updates in the coming days.

- Today's morning forecasts are available at: http://weather.gov/serfc
- Please Contact us at sr-alr.rivers@noaa.gov if you have any questions.

Helpful Bookmarks

- Monitor the NWS weather radar
  http://www.srh.noaa.gov/serfc/?n=radar
- SERFC Briefing page
  http://www.srh.noaa.gov/serfc/?n=quickbrief
- NWS National Quantitative Precipitation Forecasts
  http://www.wpc.ncep.noaa.gov/#page=qpf
- NWS Meteorological Model Ensemble probabilistic river forecasts (MMEFS)
  http://www.weather.gov/erh/MMEFS

About this Briefing

- *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, todd.hamill@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.*