



HEAVY RAIN & FLASH FLOOD BRIEFING

6:00 AM CST

Wednesday, January 24, 2024

Prepared by:

NWS New Orleans/Baton Rouge



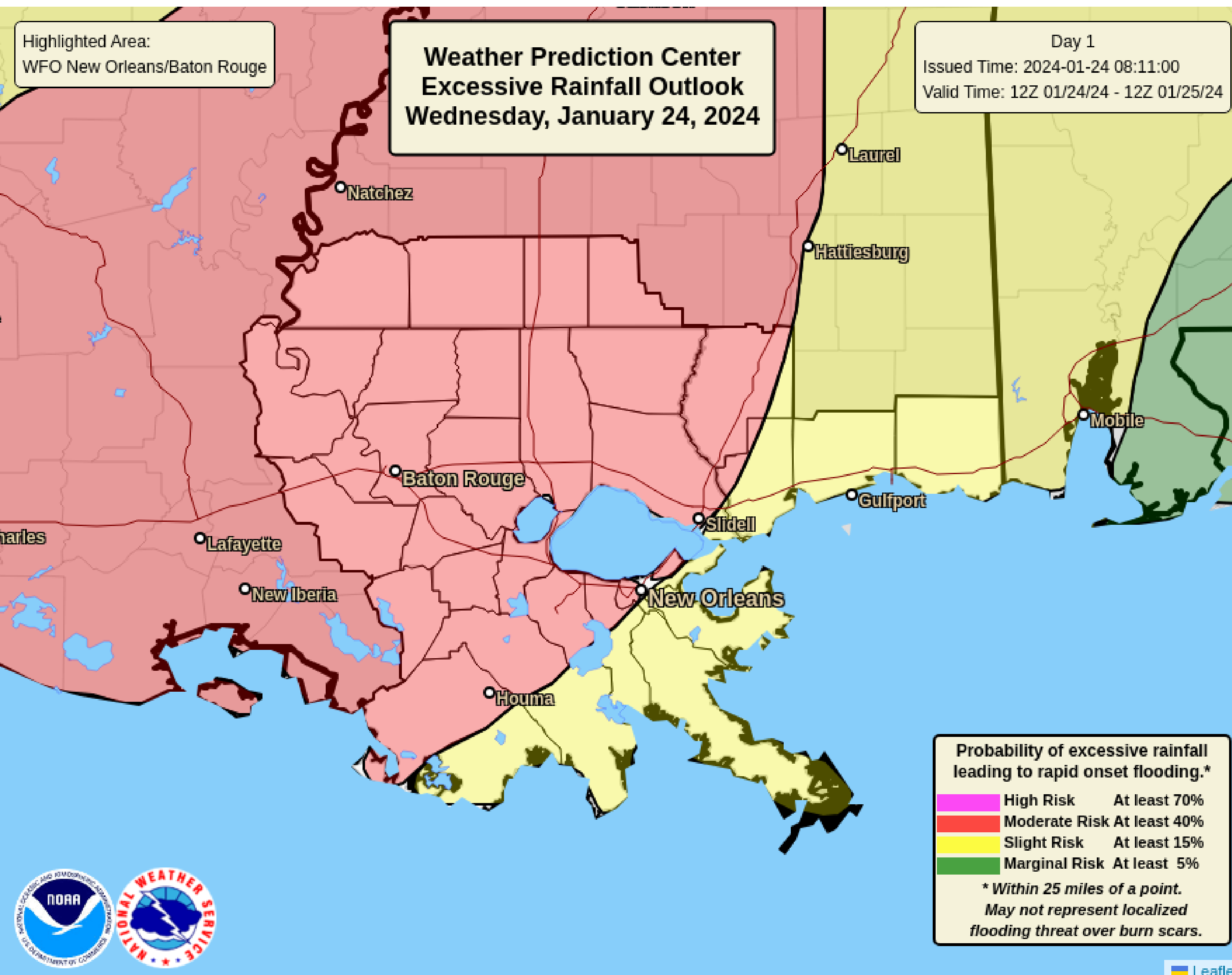
Situation Overview

- Today thru Friday storms will become more widespread, entering from the west and may slow down/train over the same areas leading to the risk of flash flooding.
 - Main concern and highest confidence for flash flooding will be generally along and northwest of a line from Houma to Poplarville.
- A few storms may be locally strong to severe on Wednesday and Thursday, with damaging winds and isolated tornadoes possible
- Multiple waves of heavy t-storms will persist at times into Friday, before the last round pushes through on Saturday, exiting to the east thereafter.
- Rises on area rivers/streams can be expected.
 - Smaller tributaries could reach minor to moderate flood stages.



Excessive Rainfall Outlook

6AM Wednesday thru 6AM Thursday



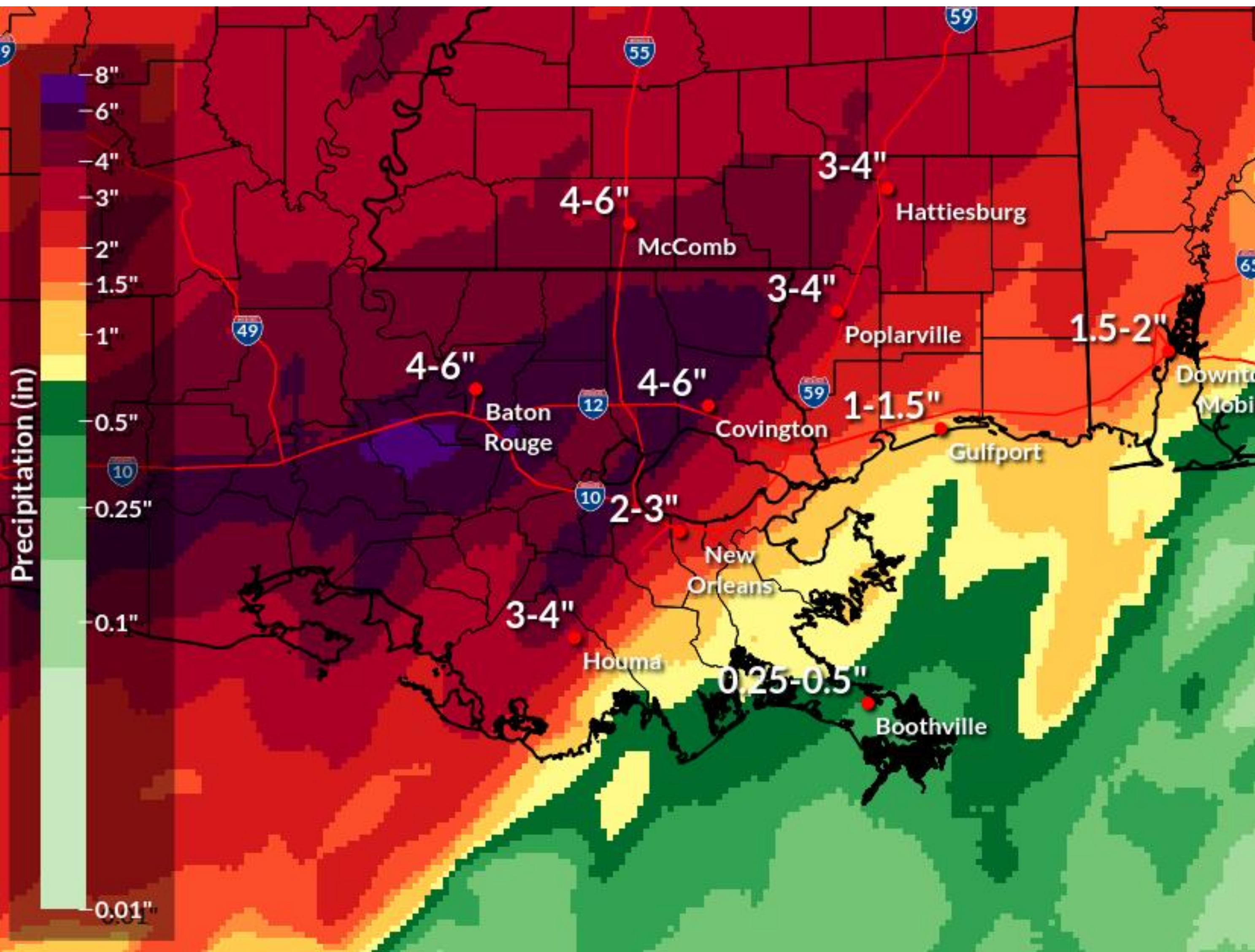
- Widespread rain/storm chances increase going into Wednesday and Thursday.
- Greatest concerns for flash flooding generally along and northwest of a line from Houma to Poplarville.
- Location on where a line of storms may slow/stall is still in question, but will be possible across central and especially western areas.





Rainfall Forecast – Wednesday / Wednesday Night

6AM Wednesday thru 6AM Thursday

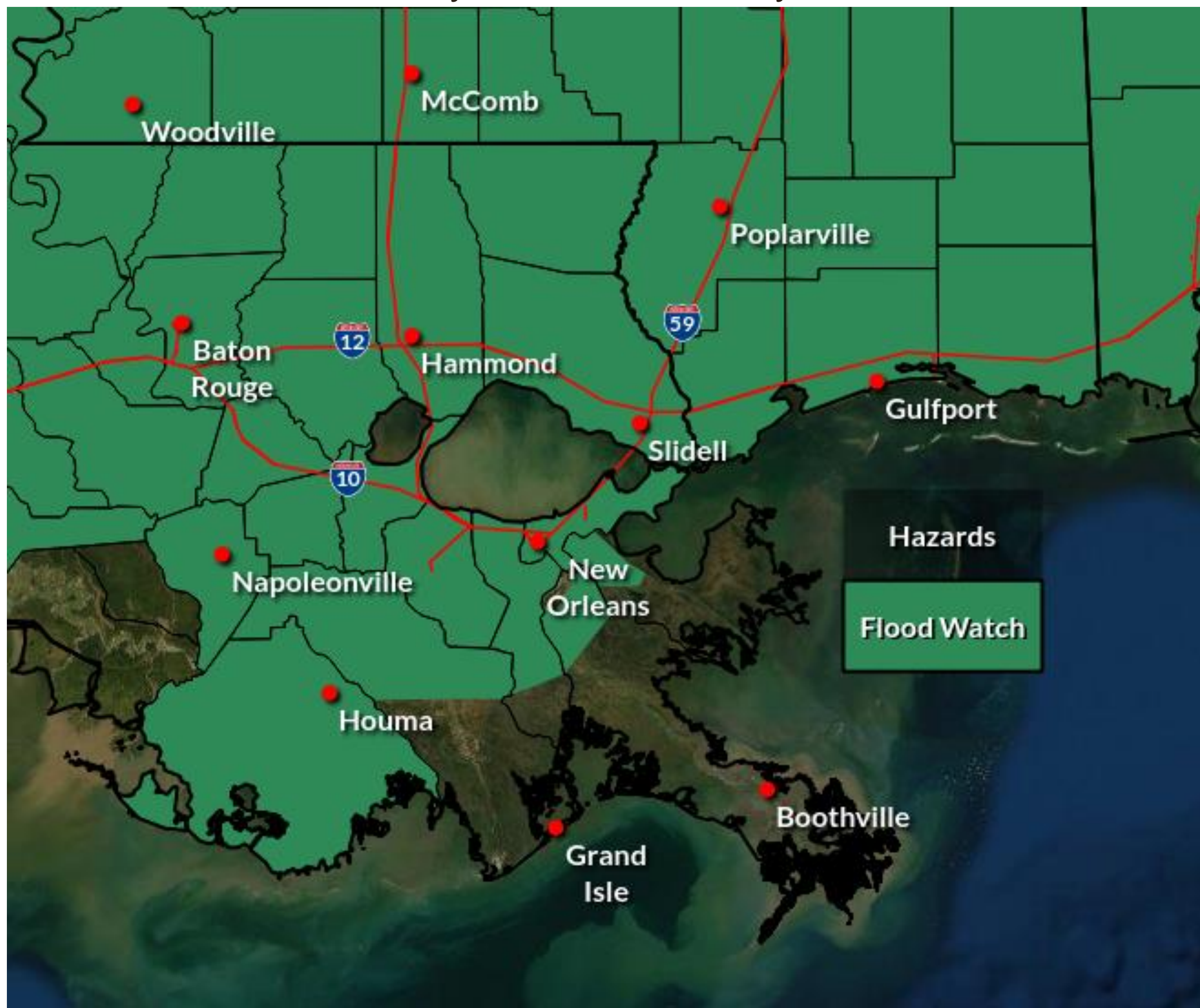


- Heavier, more widespread rain and storms moves into the area.
- 4-6 inches along and northwest of a line from Houma to Poplarville, generally 1-3 elsewhere.
- Locally higher amounts are possible and could lead to **significant** flash flood concerns.



Flash Flood Watch in Effect

6AM Wednesday to 6AM Thursday



- A Flash Flood Watch is in effect for all areas from 6AM Wednesday to 6PM Thursday.
- Extensions of this watch or additional watches may be needed in subsequent updates.

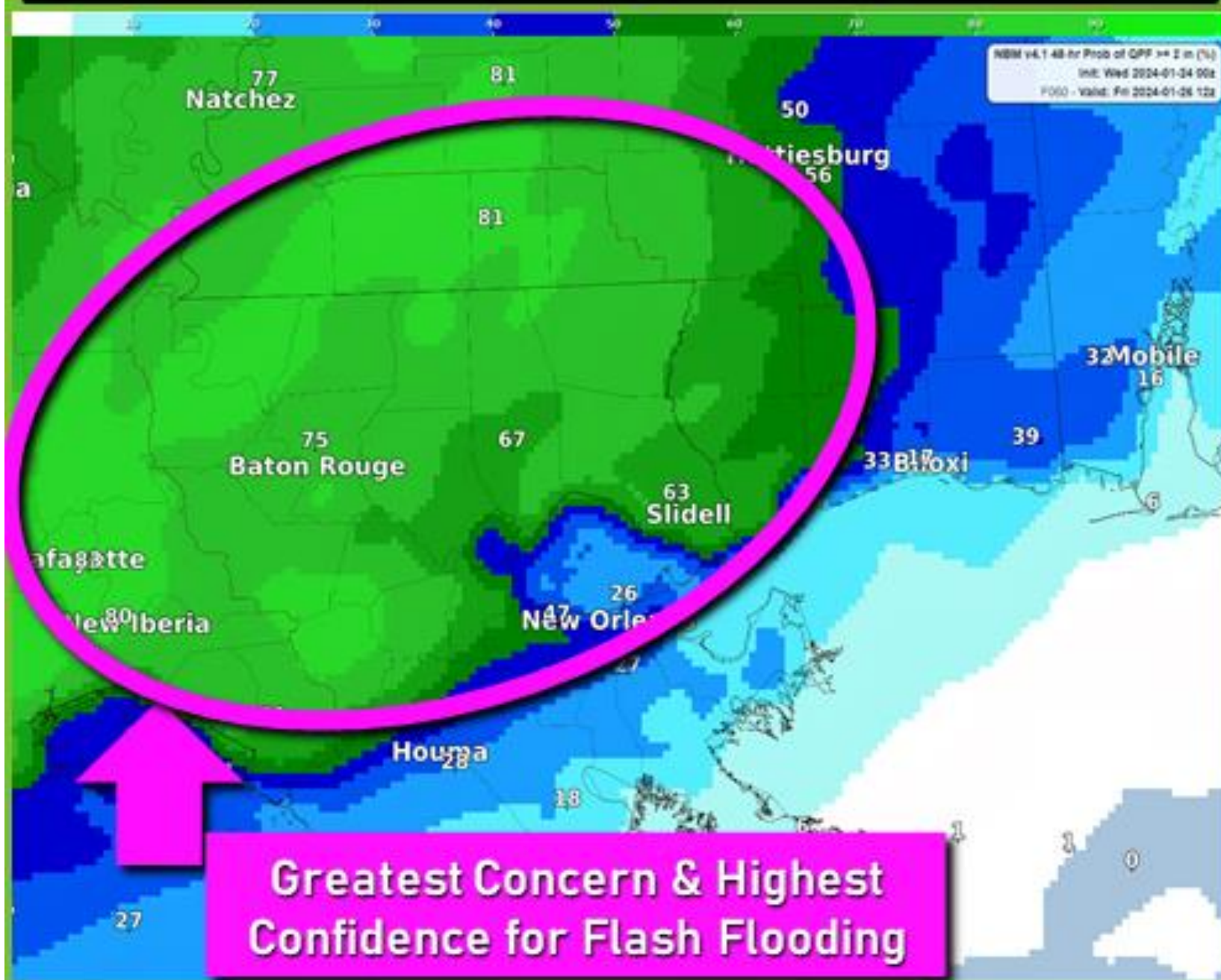


Rain Amounts & Probabilities: Wednesday - Friday

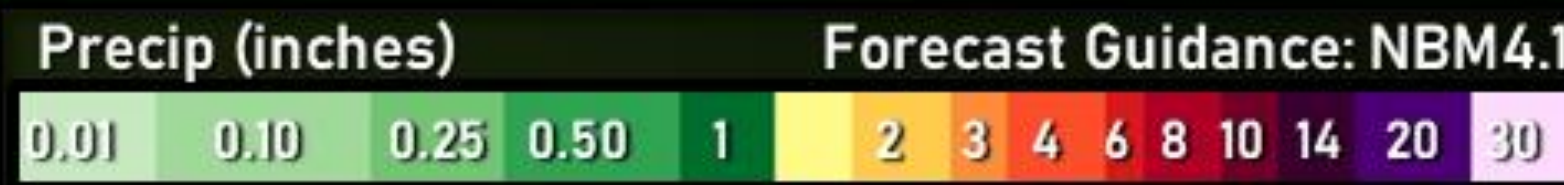
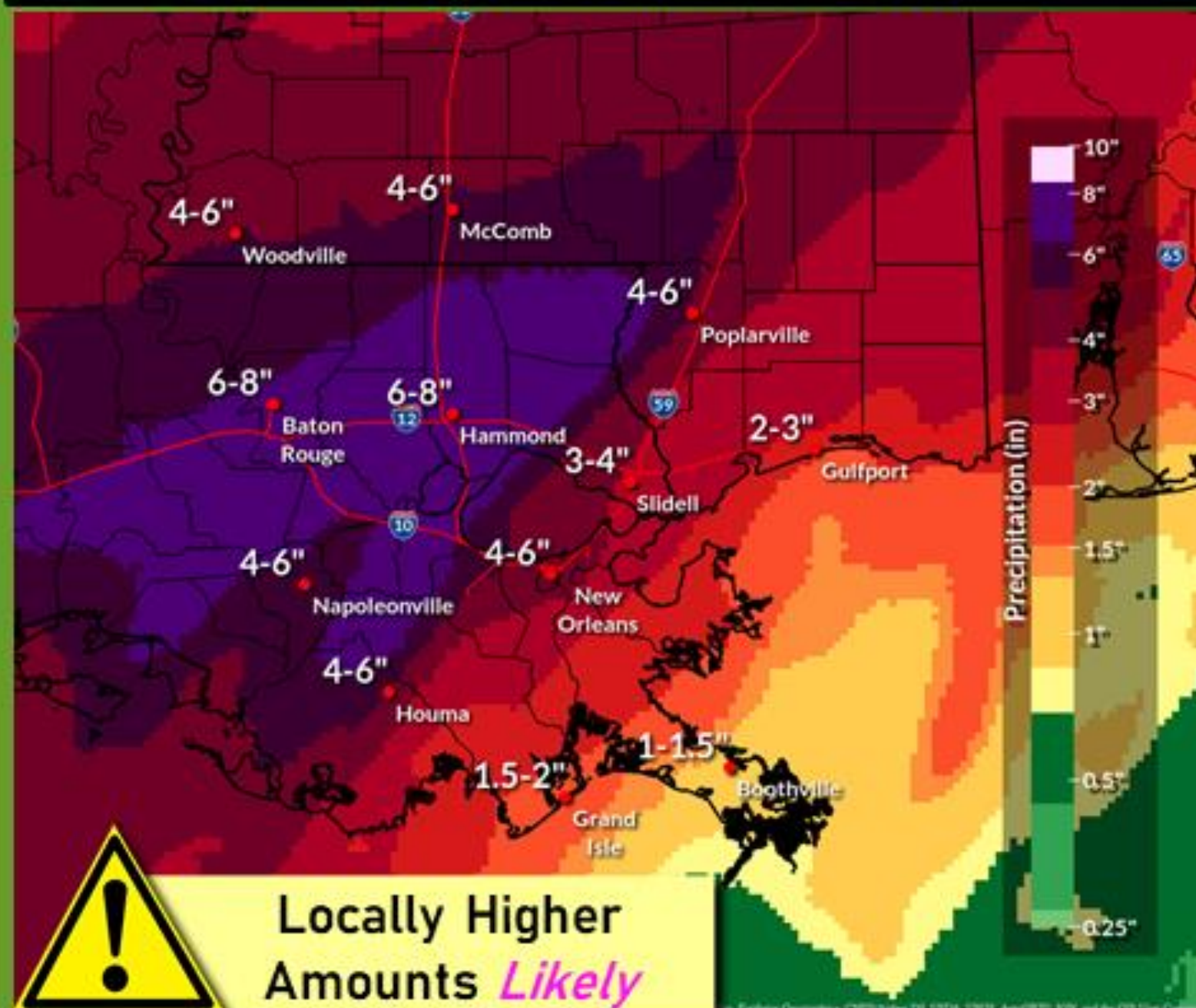
Wed thru Friday: Multiple Waves of Heavy T-Storms

Each wave has the potential to deliver areas of flash flooding

2-Day Probability of $\geq 2"$ of Rainfall
Valid 6AM Wednesday through 6AM Friday



2-Day Forecast Total Rainfall
Valid 6AM Wednesday through 6AM Friday



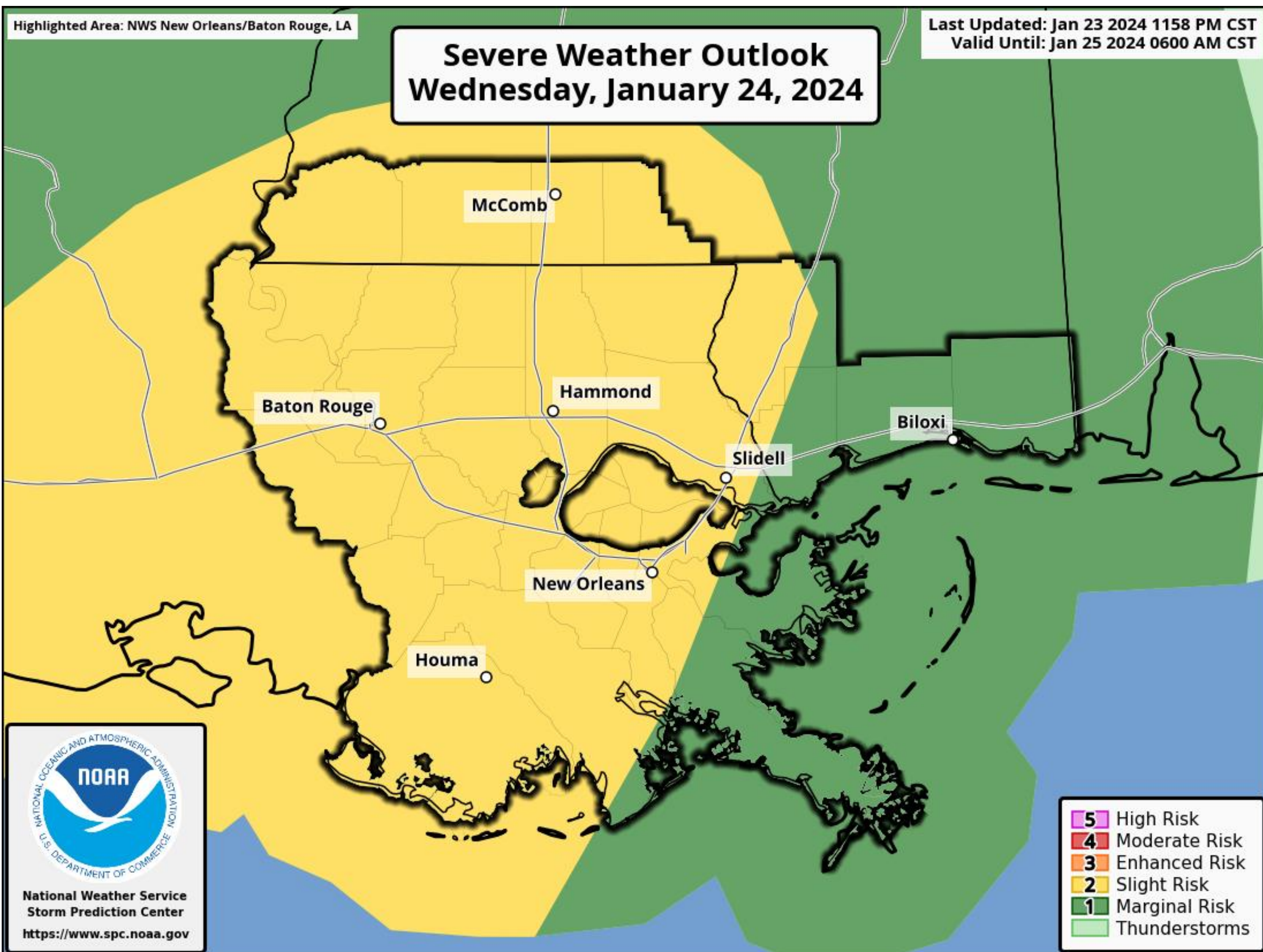
Forecast Confidence

- Confidence on exactly where heavy bands slow down & stall is in question.
- Regardless, the likelihood of storms producing flash flooding will be high Wed into Thu.
- Check back for more frequent, near-term updates and BE WEATHER AWARE.



Severe Weather Outlook - Wednesday

6AM Wednesday thru 6AM Thursday.

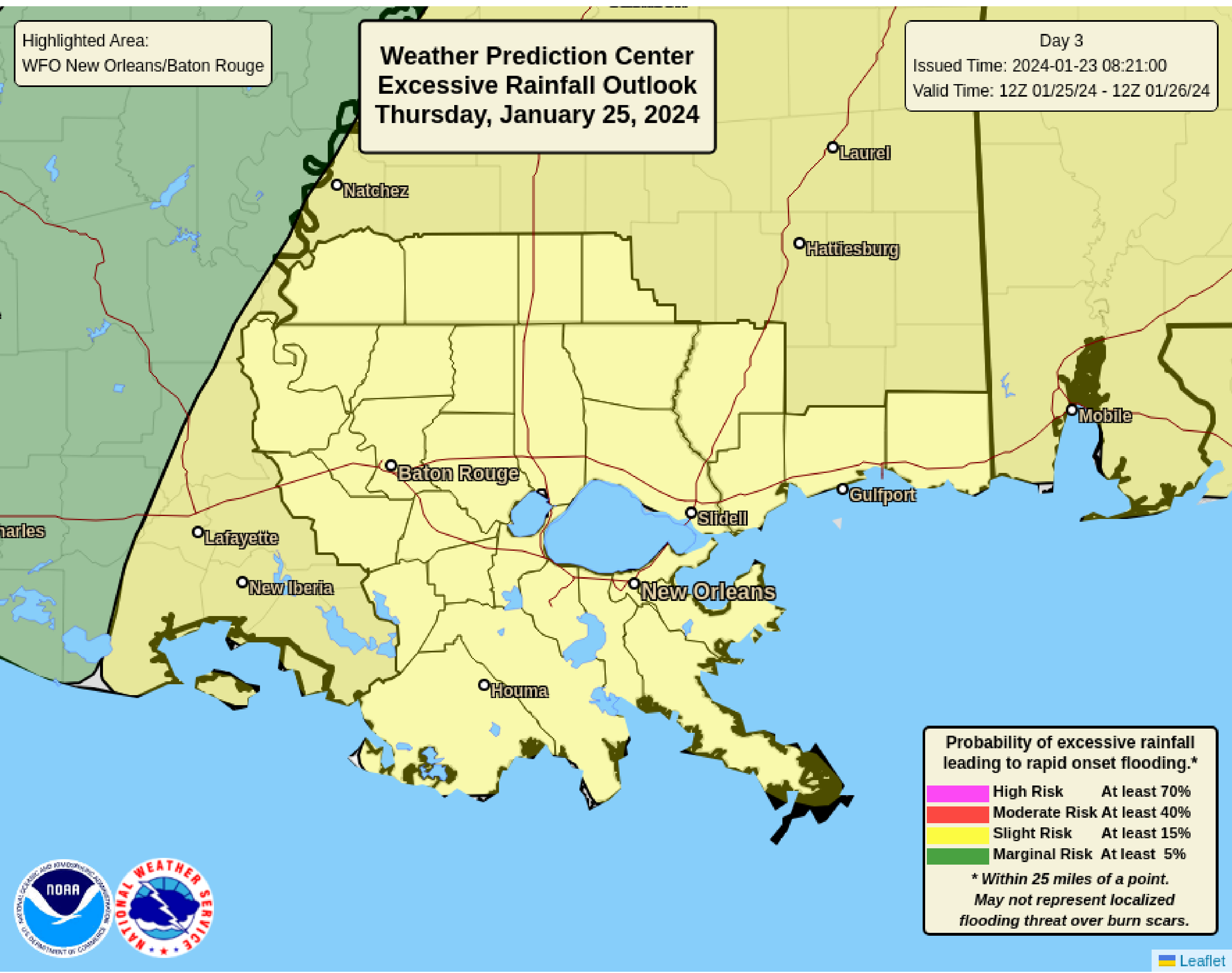


- On top of heavy rainfall, there is now a **Slight Risk of Severe Weather** (Level 2 out of 5) for most of SE LA and southern MS Wednesday into Wednesday night.
- Risks include damaging wind gusts and isolated tornadoes.



Excessive Rainfall Outlook

6AM Thursday to 6AM Friday



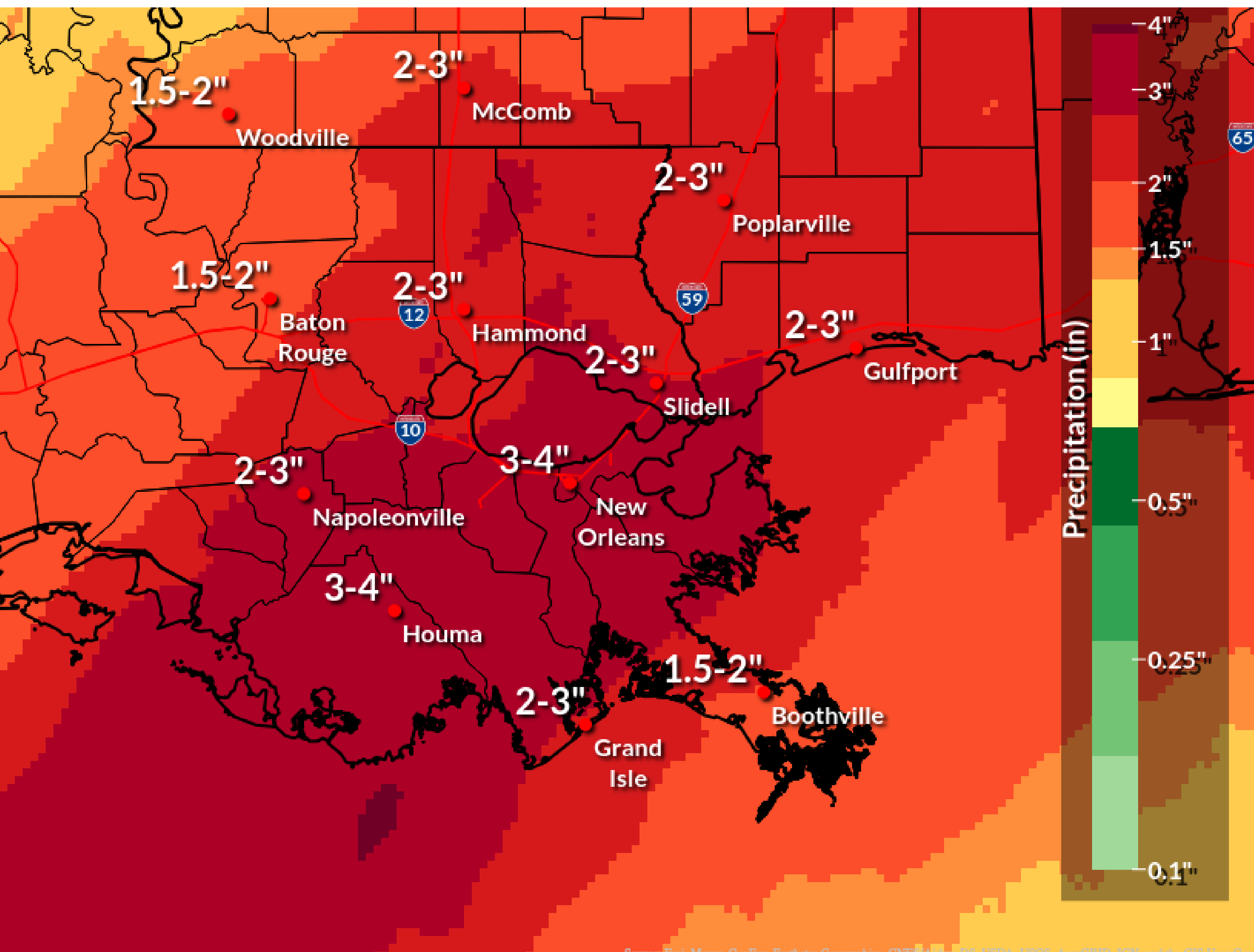
- Lingered scattered showers and thunderstorms Thursday into early Friday.
- Will need to monitor flash flood threat due to continuous rain showers





Rainfall Forecast – Thursday thru Saturday

6AM Thursday to 6PM Saturday

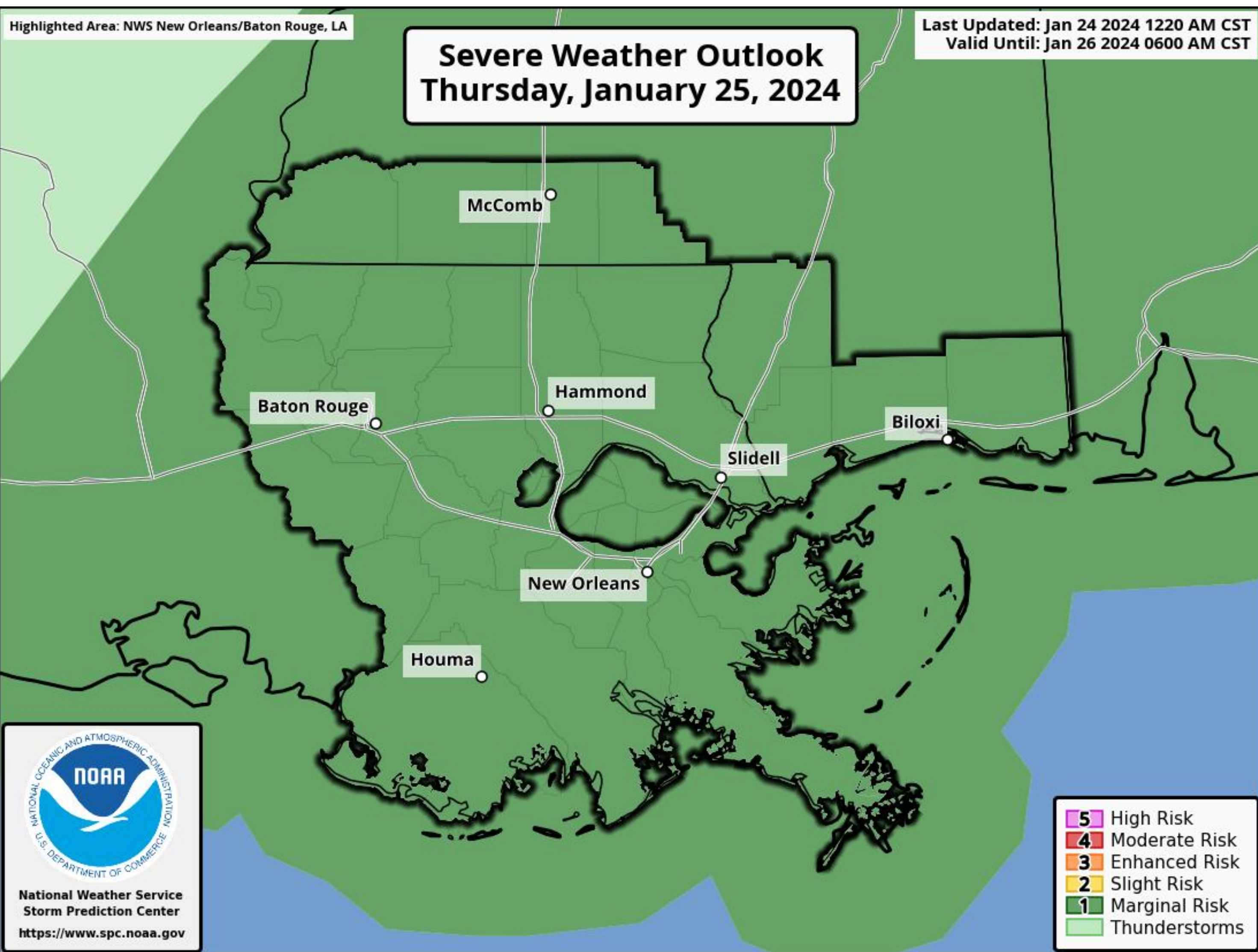


- Multiple waves of heavy rain/storms continues Thursday into Friday, with the axis of heaviest rain shifting slightly east.
- The flash flood risk will persist, especially since grounds will be saturated from earlier days rain.



Severe Weather Outlook - Thursday

6AM Thursday to 6AM Friday

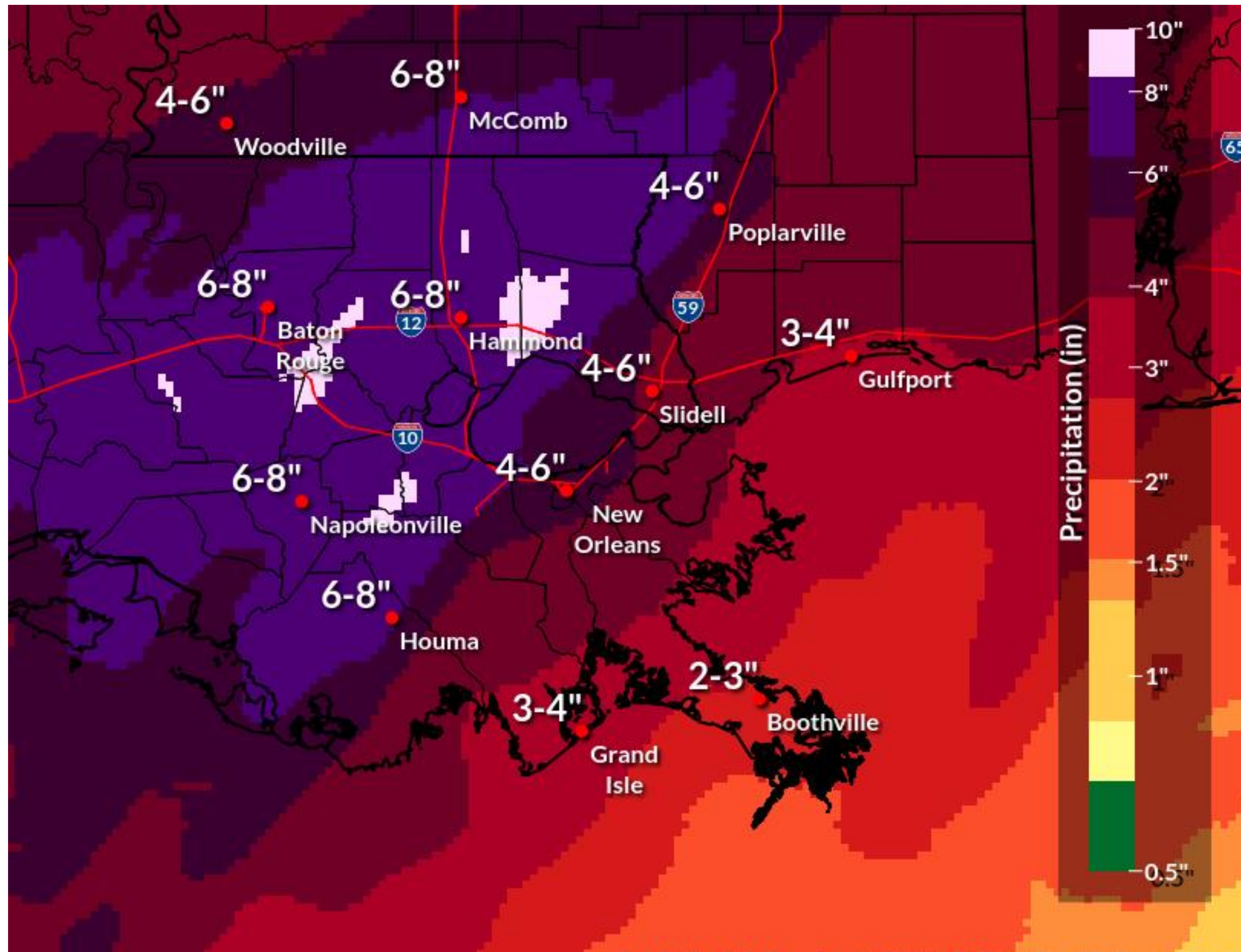


- On top of heavy rainfall, there is an **Marginal Risk of Severe Weather** (Level 1 out of 5) far SE LA and coastal MS Thursday.
- Main threats are damaging winds and isolated tornadoes.



Multi-Day Total Rainfall Forecast

Valid 6PM Tuesday to 6PM Saturday



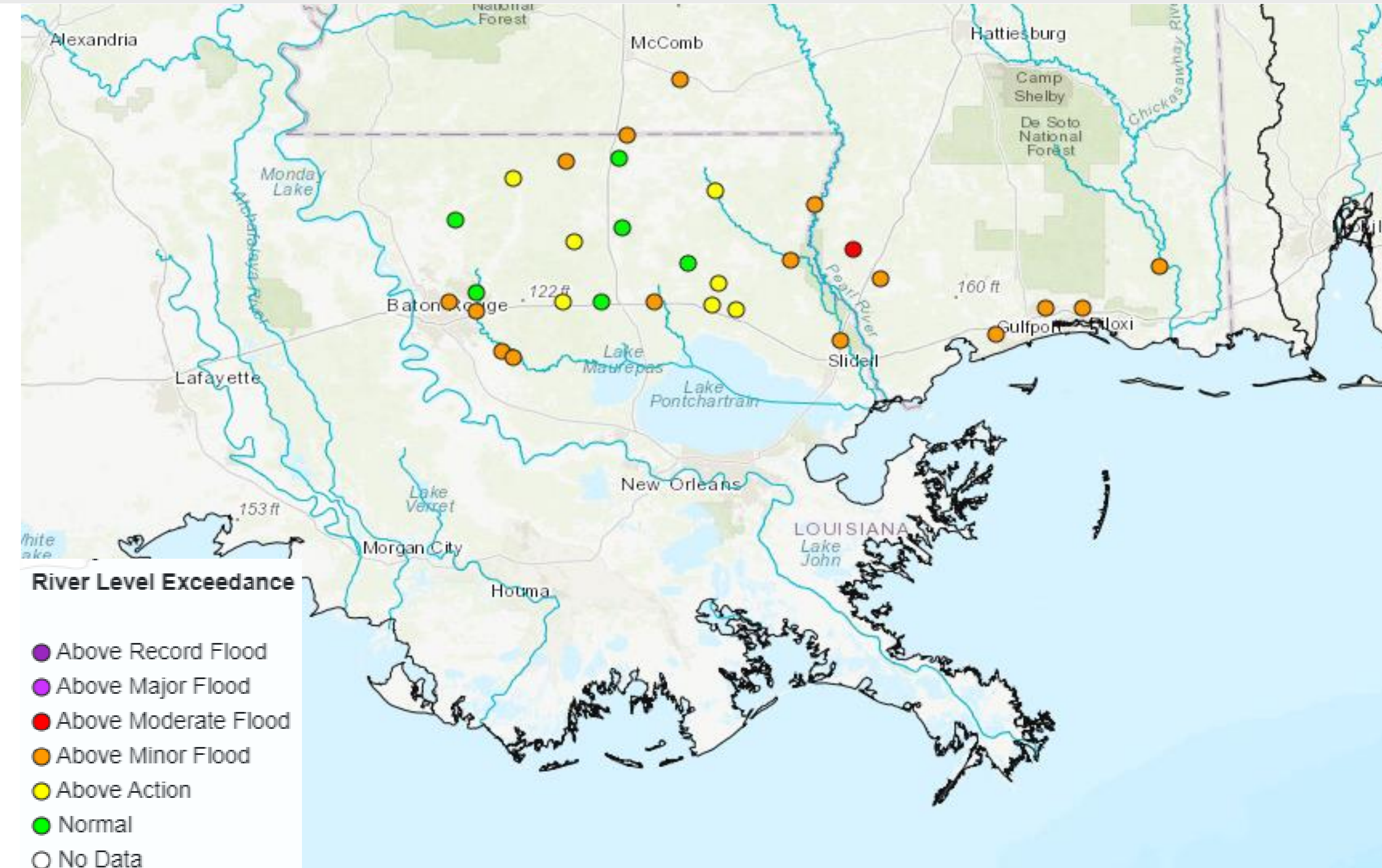
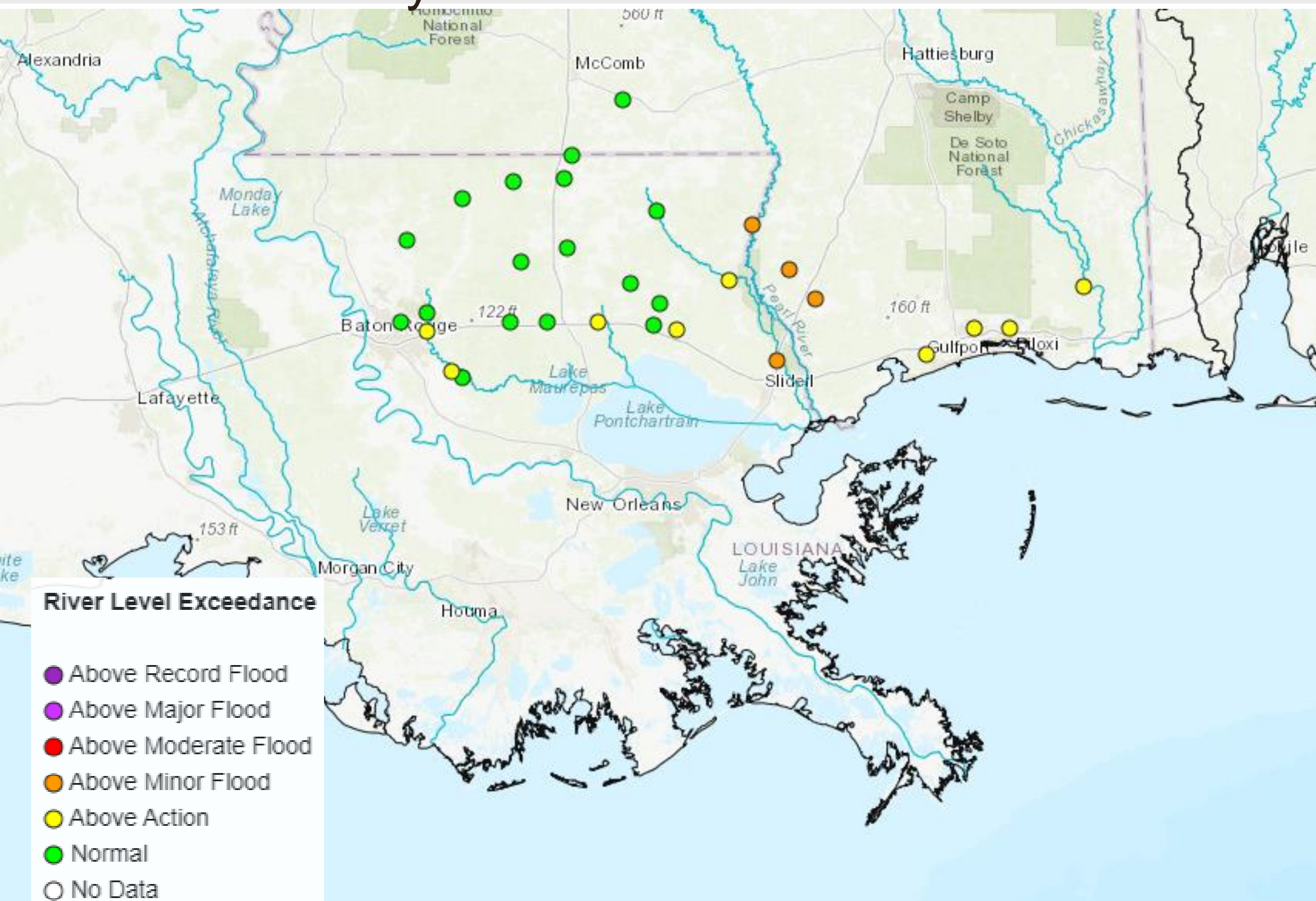
- Total rainfall forecast this week, 8-10+ inches with locally higher amounts possible.

- Corridor of greatest rainfall is expected to be along and northwest of a line from Houma to Poplarville.



Impacts to Rivers

10-Day River Level Exceedance Forecast



- **30% Exceedance River Stage Forecast**
 - Based on ensemble model runs from 48hrs QPF data to create a probabilistic range.
 - Considered a relative likely case – but a lot will determine where/when heavy rain bands set up and stall

- **10% Exceedance River Stage Forecast**
 - Based on ensemble model runs from 48hrs QPF data to create a probabilistic range.
 - Considered a worse case – but again, a lot will determine where/when heavy rain bands set up and stall



Summary of Impacts

- Today thru Friday storms will become more widespread, entering from the west and may slow down/train over the same areas leading to the risk of flash flooding.
 - Main concern and highest confidence for flash flooding will be generally along and northwest of a line from Houma to Poplarville.
- A few storms may be locally strong to severe on Wednesday and Thursday, with damaging winds and isolated tornadoes possible
- Multiple waves of heavy t-storms will persist at times into Friday, before the last round pushes through on Saturday, exiting to the east thereafter.
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Questions?

Contact WFO New Orleans at
504-522-7330 or 985-649-0429
or through the #wfo-new-orleans-la
channel on NWSChat 2.0 (slack)

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