



# Heavy Rain Threat from Tropical Cyclone Debby

August 7, 2024  
5:12 AM

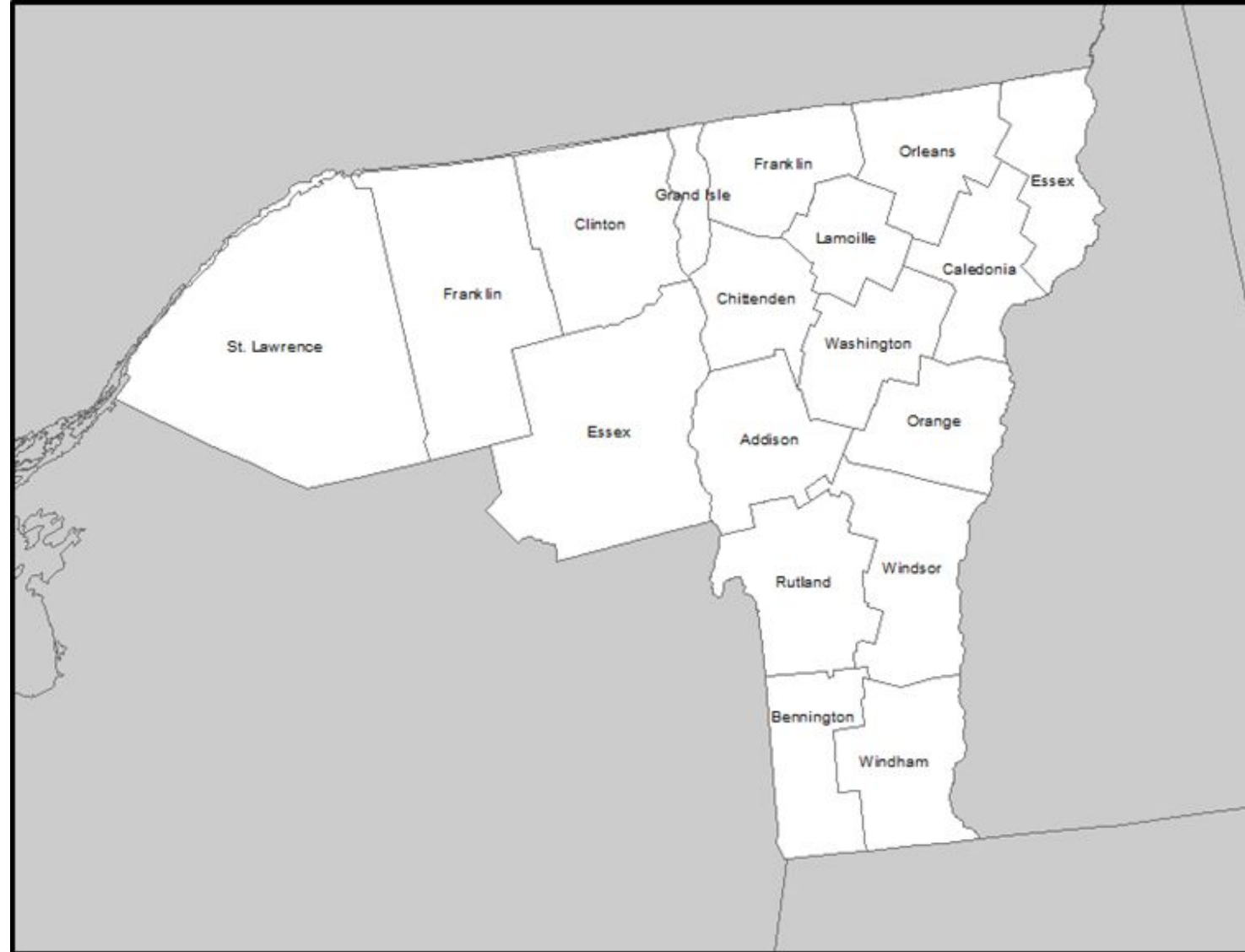
For northern New York and all of Vermont

## Decision Support Briefing #3

→ As of 5:00 PM Wednesday, August 7, 2024

### **NEW** Important Updates

- Faster forward motion of Debby continues to lower flash flood risk for Saturday, focusing rainfall Friday afternoon into Saturday morning.
- River rises are expected, while some mainstem rivers could reach flood stage.
- Flooding of urban, low-lying, and poor drainage areas is expected with the potential for scattered flash flooding.







# Main Points

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5:12 AM

## Expected Impacts from Remnants of Debby

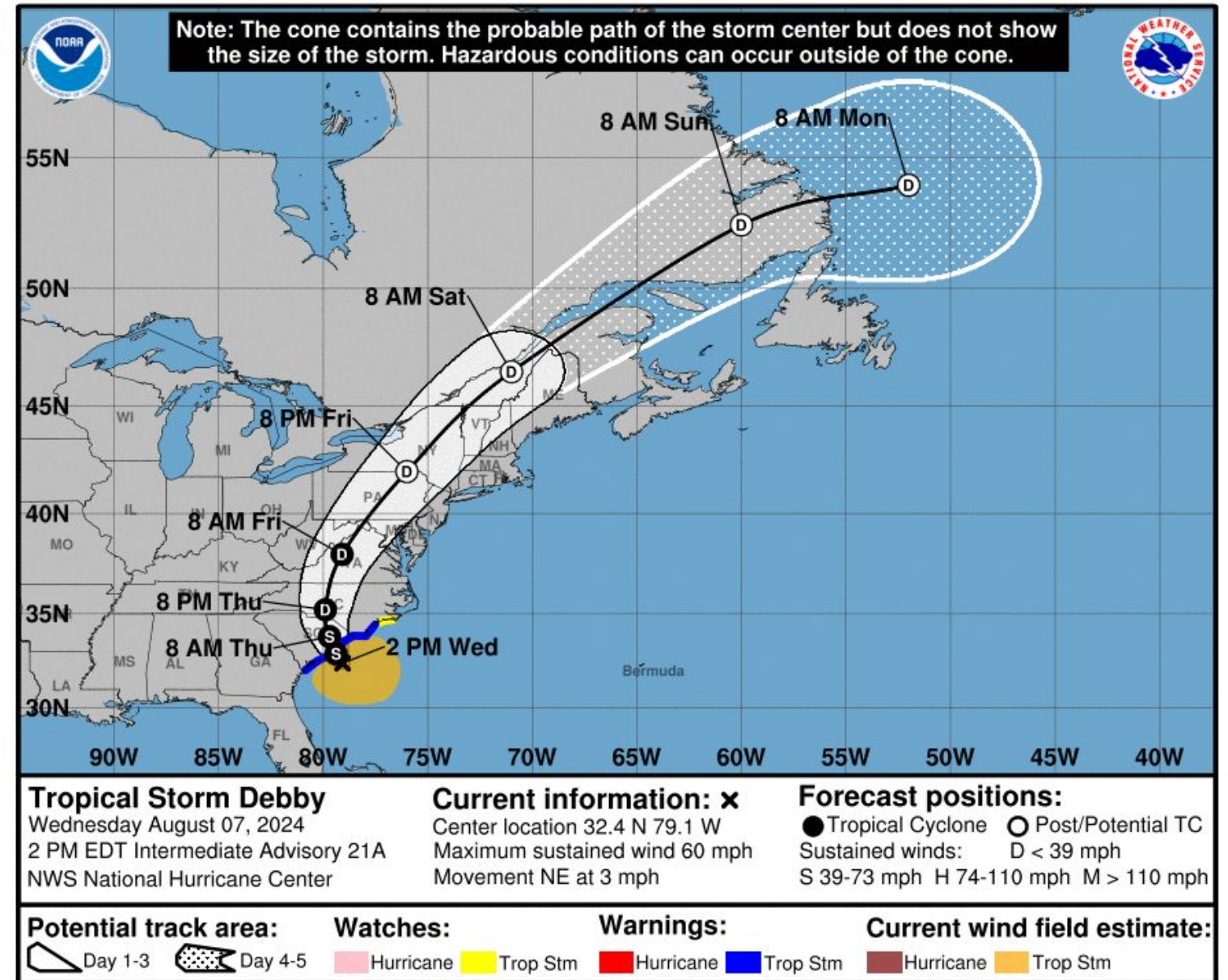
Hazard	Impacts	Location	Timing
<p><b>Heavy Rain</b></p> <p><b>Flooding</b></p>  	<p>Widespread heavy rainfall from Debby may result in flooding of urban, low-lying, and poor drainage areas with the potential for scattered flash flooding as well as river flooding.</p>	<p>All of Vermont and northern New York</p>	<p>Heaviest rainfall expected Friday afternoon into Saturday morning</p>



# TS Debby 5-Day Forecast Track

August 7, 2024  
5:12 AM

- Debby will be a post-tropical cyclone when it passes near New England on Friday night and Saturday.
- **Regardless of the exact track, confidence is increasing that a period of heavy rain will occur Friday afternoon into Saturday morning.**
- **Instances of flooding, including flash flooding, river flooding, and general flooding of urban or poor-drainage areas are possible.**
- **Wind threat is minimal, no impacts expected.**
- Debby track and storm information can be found at [www.nhc.noaa.gov/index.shtml#Debby](http://www.nhc.noaa.gov/index.shtml#Debby)

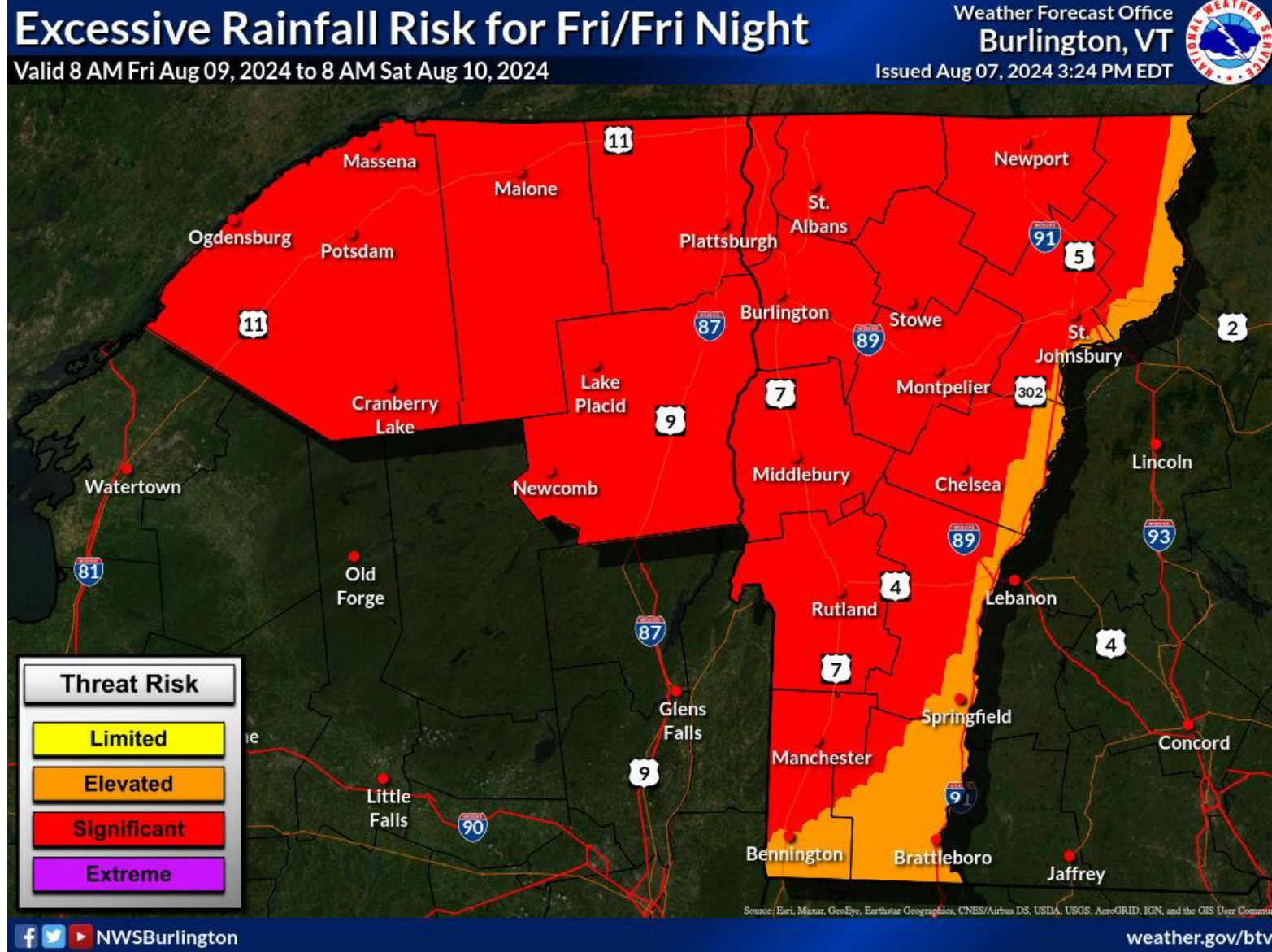




# Excessive Rainfall Outlook

August 7, 2024  
5:12 AM

Friday and Friday night



- Flooding of urban, low-lying, and poor drainage areas are possible along with scattered instances of flash flooding as well as river flooding.
- Preliminary rainfall forecasts for Friday into Saturday suggest:
  - Heaviest rainfall will be Friday afternoon through Friday night. Rain ending Saturday morning.
  - Vermont: 1-3 inches with locally higher amounts possible.
  - Northern NY: 2-4 inches with locally higher amounts possible.
  - Banding structures and/or repeated rounds of heavy rain across VT/NY will determine greatest threat of 4+ inches and potential flooding.
  - **Stay tuned for updated forecasts as uncertainty still exists on the path of the heaviest rainfall and this can fluctuate over the next few days.**



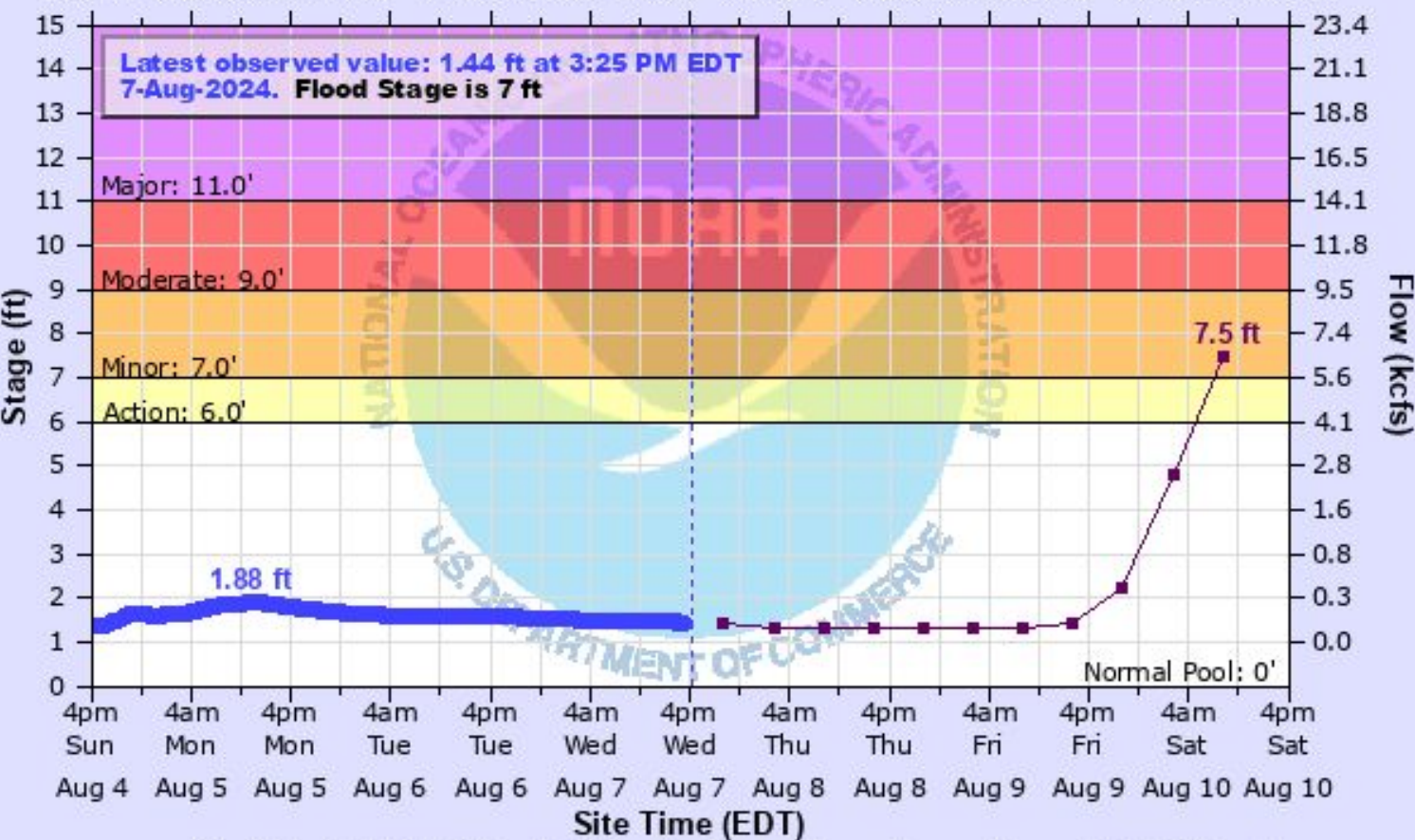
# River Flooding Possible

August 7, 2024  
5:12 AM

## EAST BRANCH OF THE AUSABLE RIVER AT AU SABLE FORKS

Universal Time (UTC)

20Z Aug 4 8Z Aug 5 20Z Aug 5 8Z Aug 6 20Z Aug 6 8Z Aug 7 20Z Aug 7 8Z Aug 8 20Z Aug 8 8Z Aug 9 20Z Aug 9 8Z Aug 10 20Z Aug 10



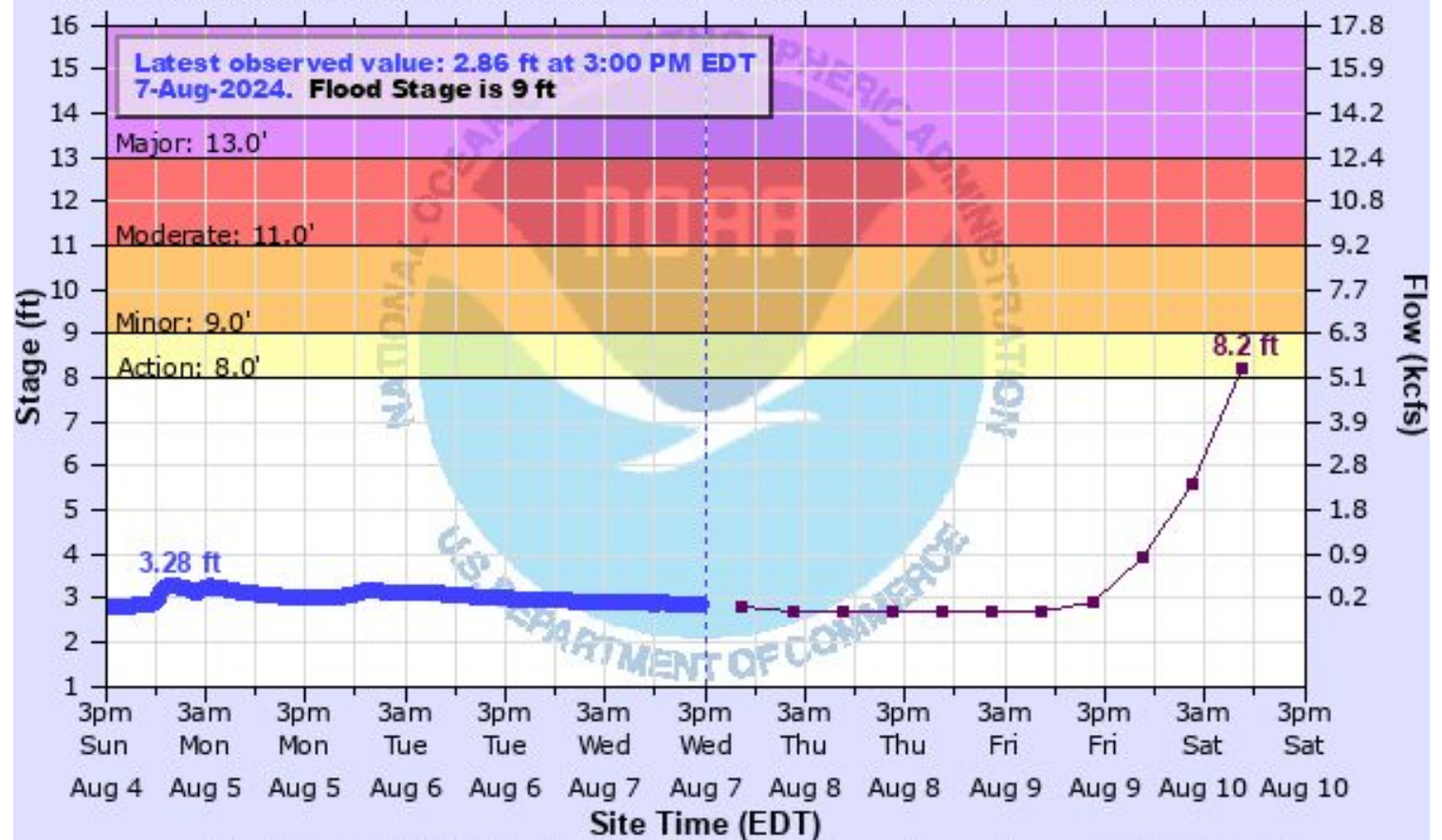
ASFN6(plotting HGIRG) "Gage 0" Datum: 544.9'

Observations courtesy of US Geological Survey

## MAD RIVER NEAR MORETOWN

Universal Time (UTC)

19Z Aug 4 7Z Aug 5 19Z Aug 5 7Z Aug 6 19Z Aug 6 7Z Aug 7 19Z Aug 7 7Z Aug 8 19Z Aug 8 7Z Aug 9 19Z Aug 9 7Z Aug 10 19Z Aug 10



MOOV1(plotting HGIRG) "Gage 0" Datum: 543.67'

Observations courtesy of US Geological Survey



# Key Points/Summary

August 7, 2024  
5:12 AM

- A period of heavy rainfall is expected across the region Friday into Saturday as moisture from Tropical Cyclone Debby tracks across the region.
- Flooding of urban, low-lying, and poor drainage areas is possible along with scattered instances of flash flooding as well as some river flooding.
- There remains uncertainty on how much rainfall occurs and where the zone of heaviest rainfall sets up. As we get closer to the event this information should be better defined.
- **NOW is the time to PREPARE!!!** Please check storm drains, drainage basins, ditches, culverts, and potential waterways for debris and remove it during the next few days. Any obstruction in these drainage channels will force water to find alternate ways rather than the designated channels and likely cause flooding and damage.





# Contact and Next Briefing Information

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## Self Briefing Webpage

- [weather.gov/btv/EMBriefing](https://weather.gov/btv/EMBriefing)
- [www.nhc.noaa.gov/#Debby](https://www.nhc.noaa.gov/#Debby)
- [www.wpc.ncep.noaa.gov](https://www.wpc.ncep.noaa.gov)



## Next Briefing

- By 5:00 AM Thursday, August 8, 2024
- Method: Email



## Disclaimer

- Information contained in this briefing is time-sensitive
- Do Not Use After: 5:00 AM Thursday, August 8



## Contact Information

### Web

- [weather.gov/burlington](https://weather.gov/burlington)

### Phone (unlisted)

- (802) 658-0150

### Email

- [nwsbtv.info@noaa.gov](mailto:nwsbtv.info@noaa.gov)

### Facebook

- [facebook.com/NWSBurlington](https://facebook.com/NWSBurlington)

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