



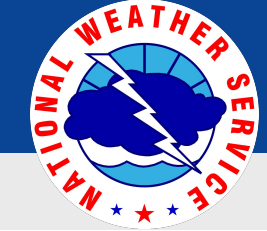
7-Day Weather Hazards

10:30 AM EDT

Friday, September 27, 2024

Prepared By WFO Baltimore/Washington





7-Day Weather Hazards

September 27, 2024

10:30 AM

Overview for the next 7 days

● Through Tonight

- Scattered instances of flooding are possible through this evening, mainly across central Virginia & the Allegheny Highlands.
- A brief tornado is possible this afternoon and early evening across central Virginia and extreme southern Maryland.
- Strong wind gusts around 50 mph are expected along the the ridge tops of the Allegheny Highlands and Blue Ridge Mountains through early this evening.
- Moderate tidal flooding is possible tonight.

● Monday into Tuesday

- Isolated instances of flooding are possible.



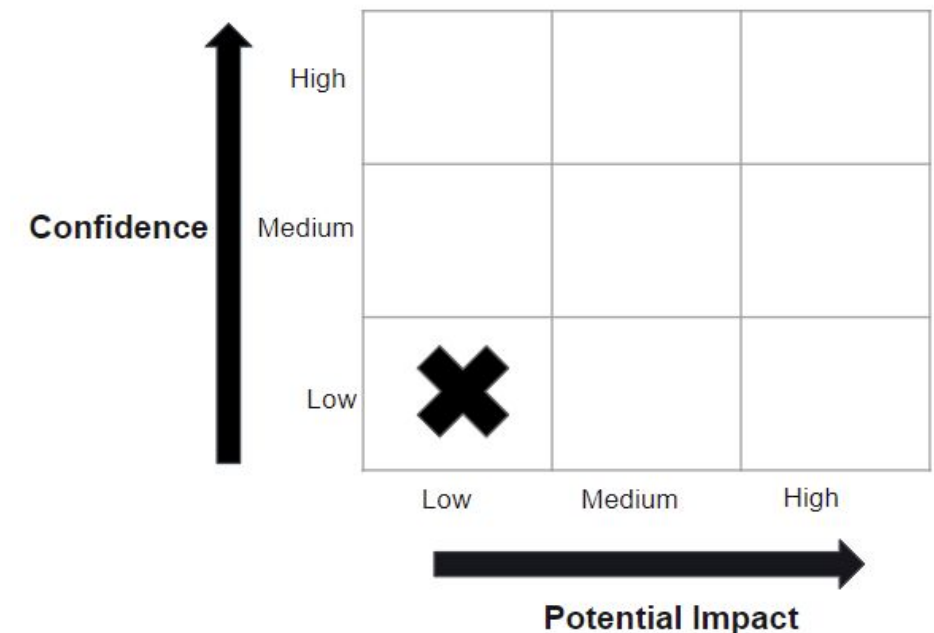
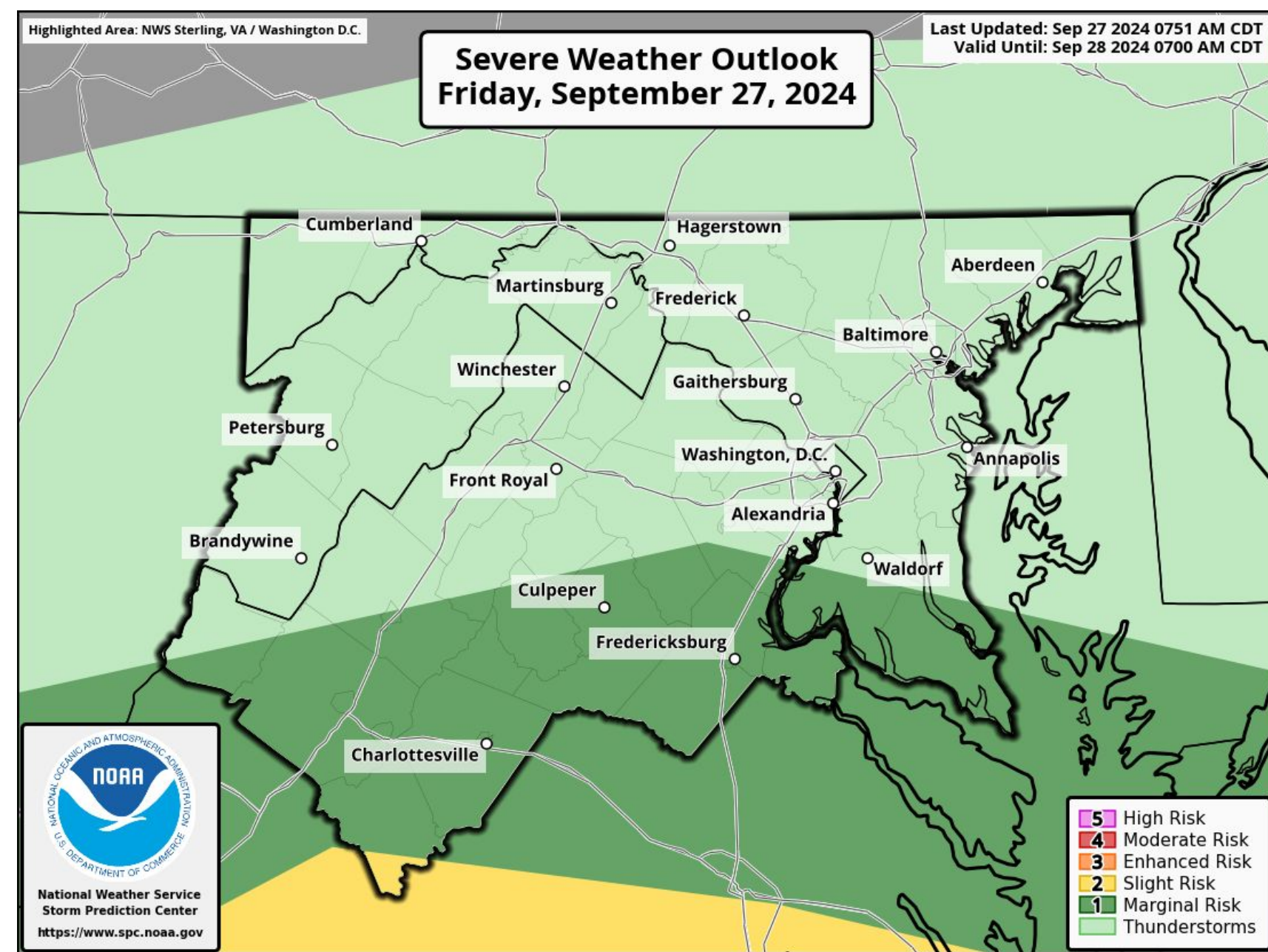


Brief Tornado Possible

September 27, 2024
10:30 AM

This afternoon and evening

- A brief tornado is possible this afternoon and evening as bands from Tropical Storm Helene move into the area.
- Primary threat is from central Virginia to extreme southern MD.

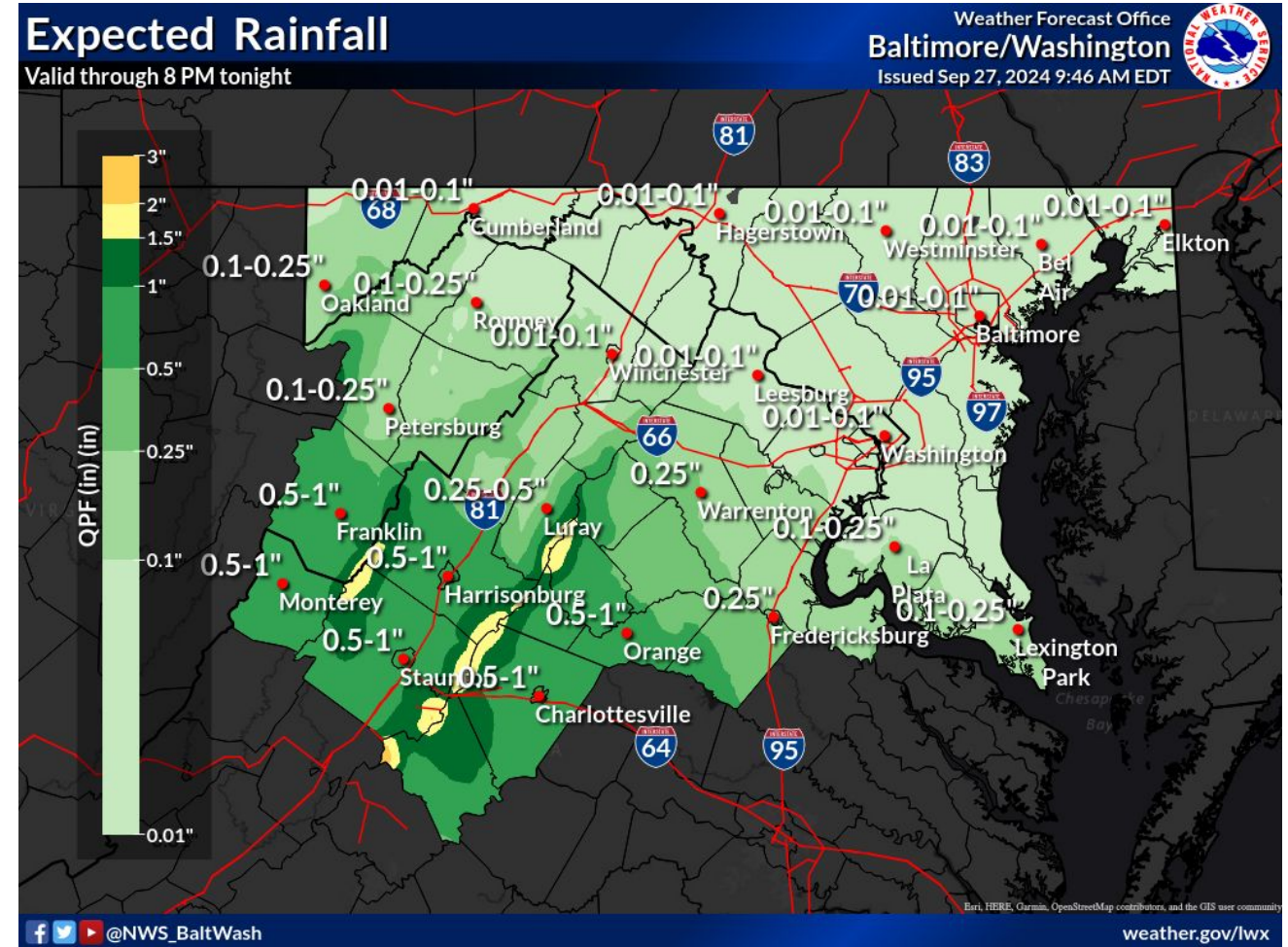
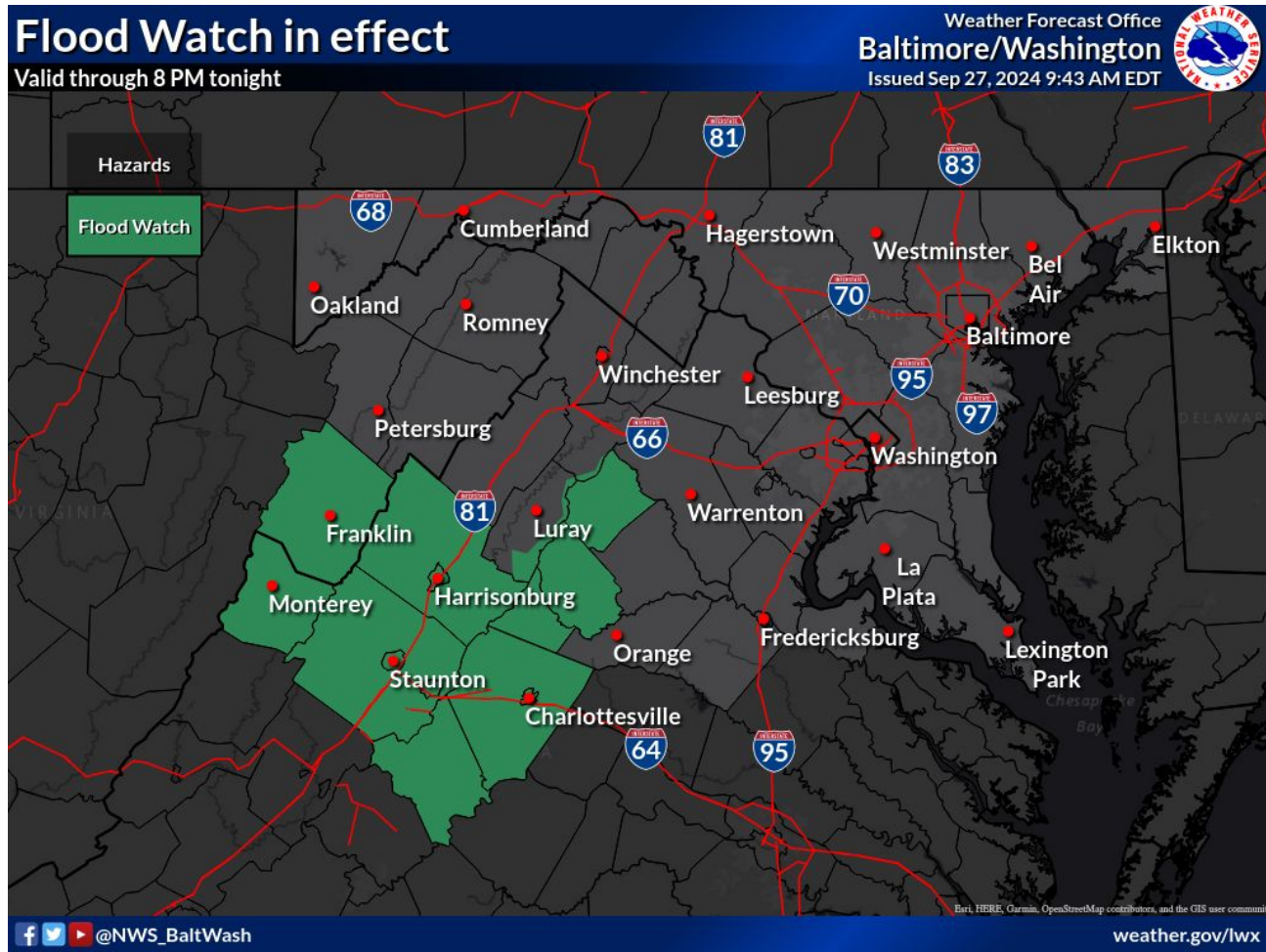




Periods of moderate to heavy rain are likely

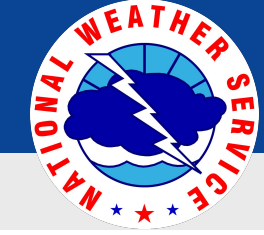
September 27, 2024
10:30 AM

This afternoon and evening



- Periods of moderate to heavy rainfall are likely through this evening as bands of Tropical Storm Helene move through the area.
- Heaviest rainfall is expected along the eastern slopes of Appalachians and Blue Ridge.
- Reasonable worst case scenario 3-5" in the central Shenandoah Valley and the east slopes of the Blue Ridge.





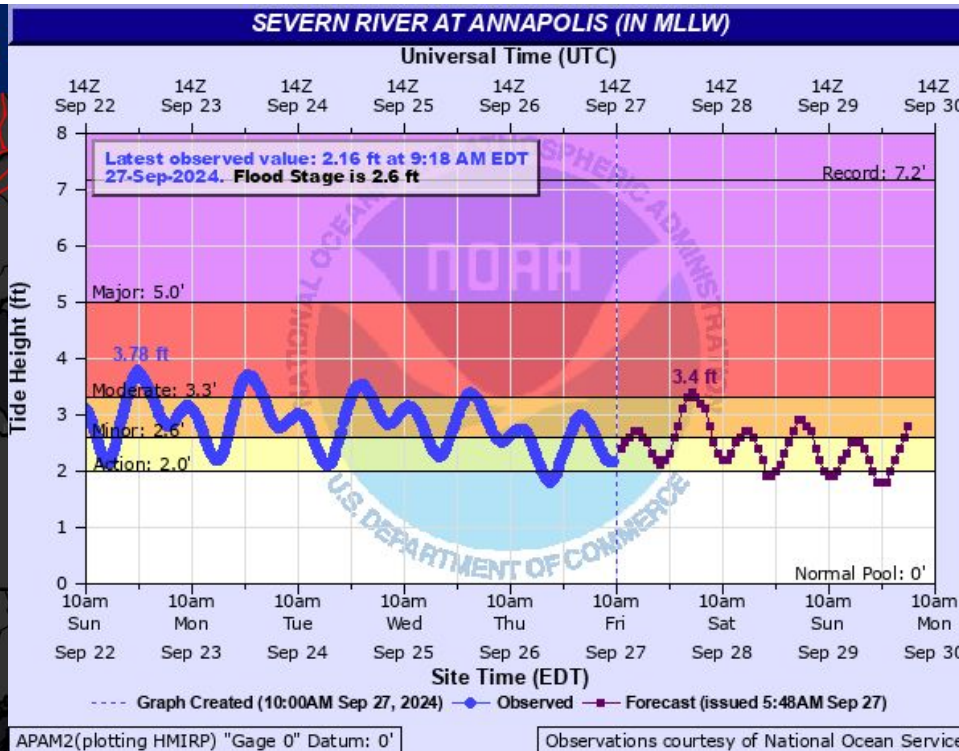
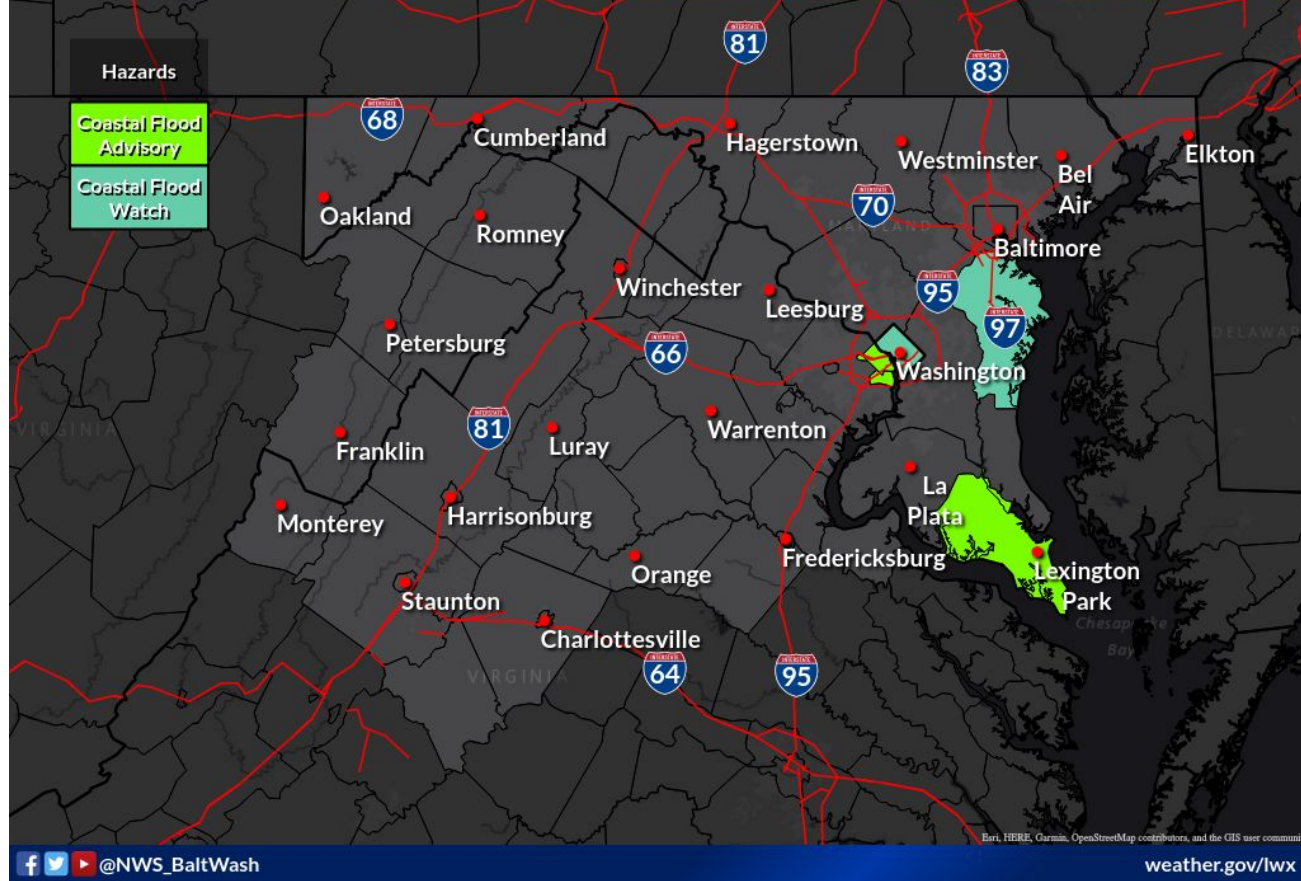
Minor to Moderate Coastal Flooding

September 27, 2024
10:30 AM

Today through Saturday morning

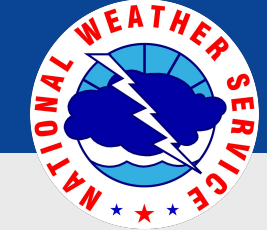
Coastal Flood Advisories & Watches

Valid through 8 AM Saturday



- Minor to Moderate coastal flooding possible
- Highest tide levels will be during tonight/early tomorrow morning's high tide

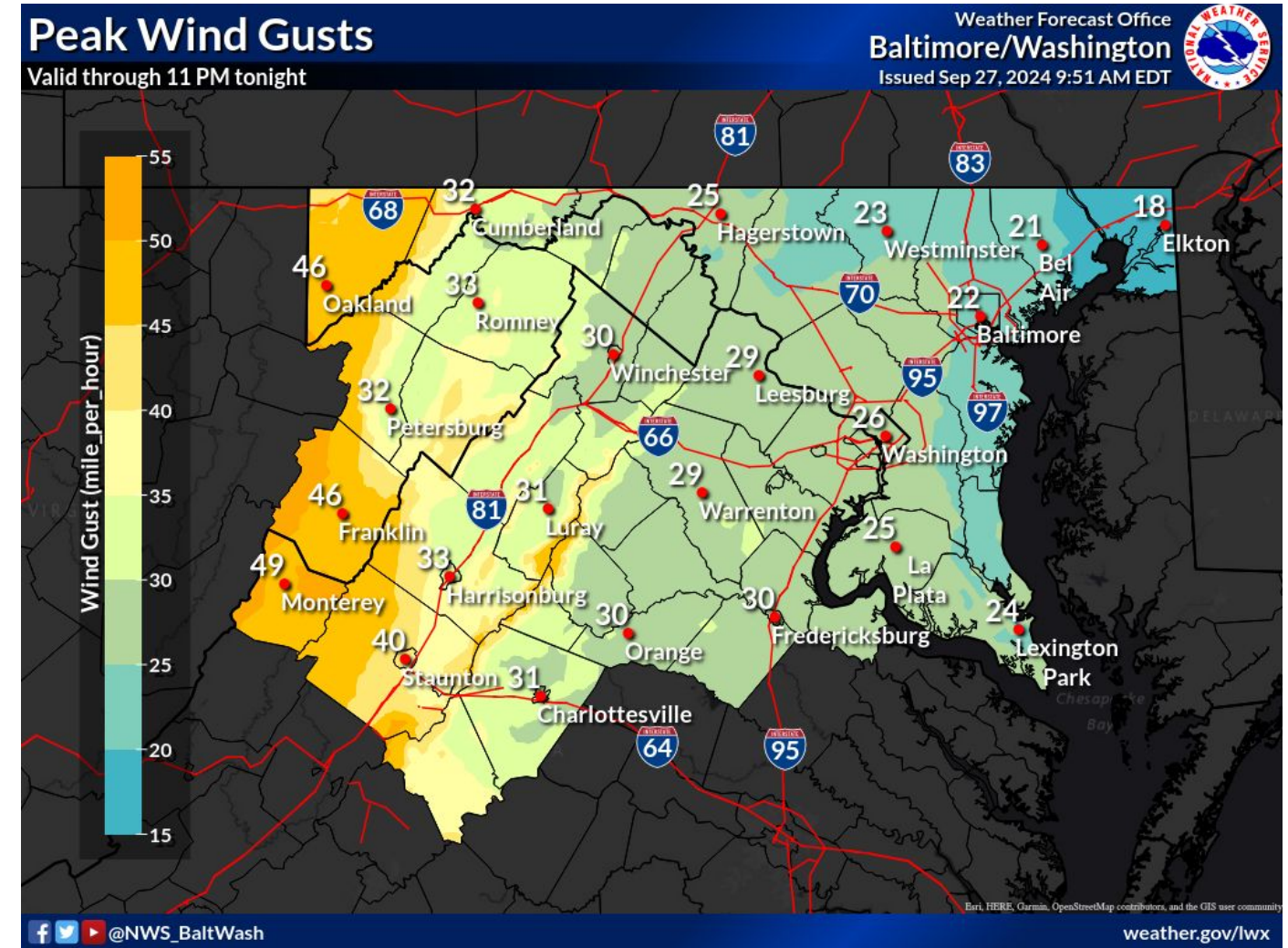
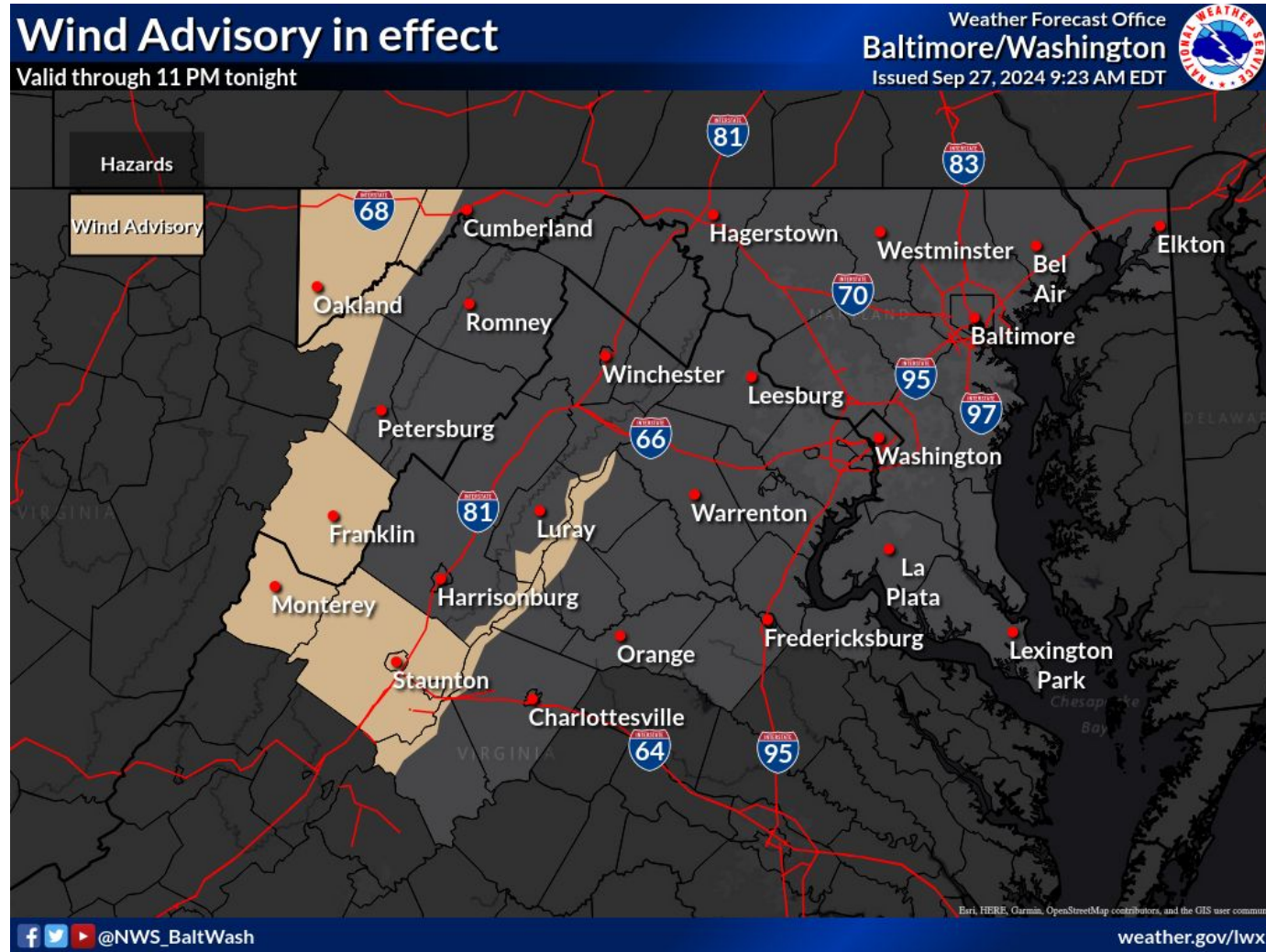




Damaging Wind Gusts

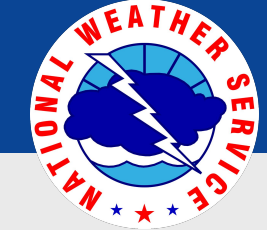
September 27, 2024
10:30 AM

Through tonight



- Damaging wind gusts around 50 mph are expected along the higher elevations of the Appalachian Mtns and the Blue Ridge as well as portions of the Potomac Highlands.

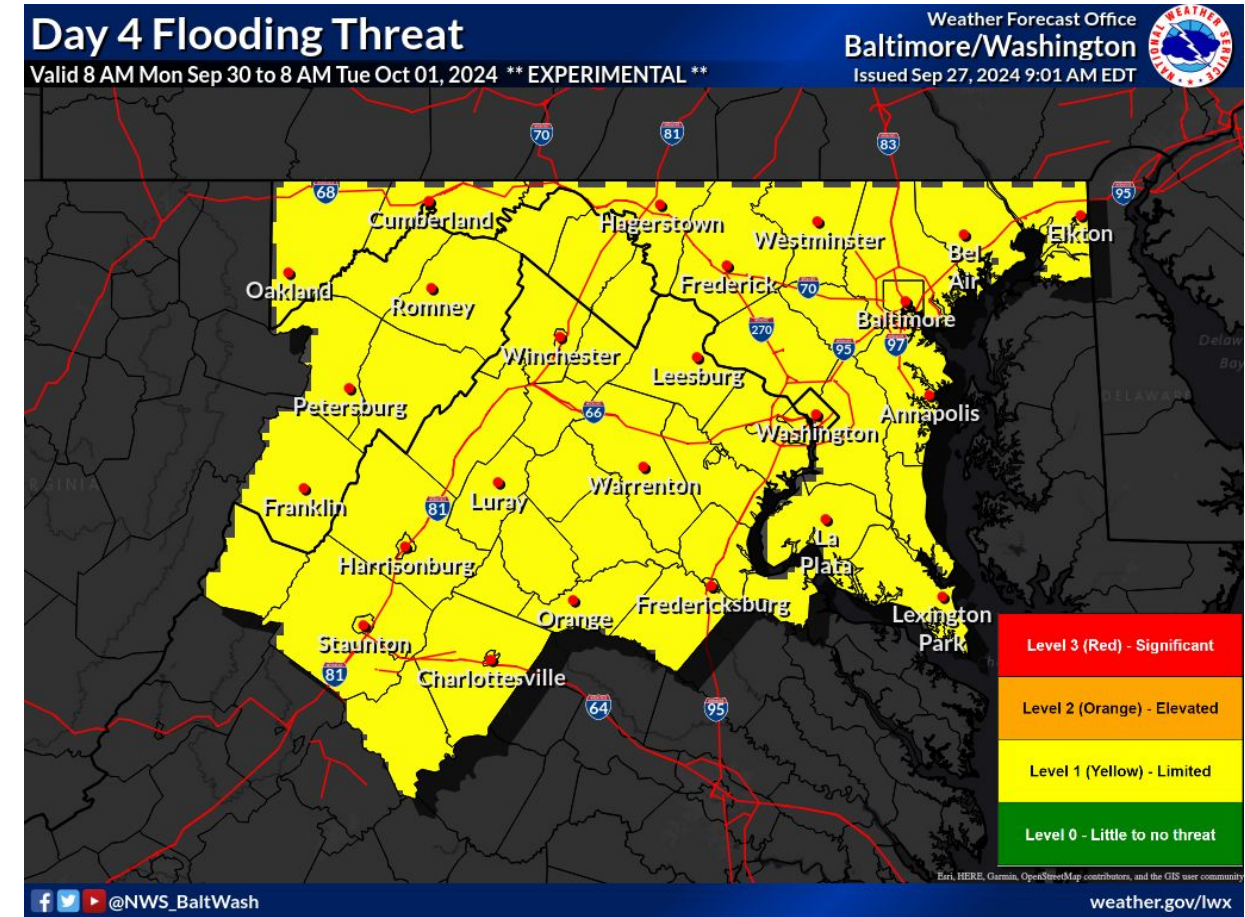
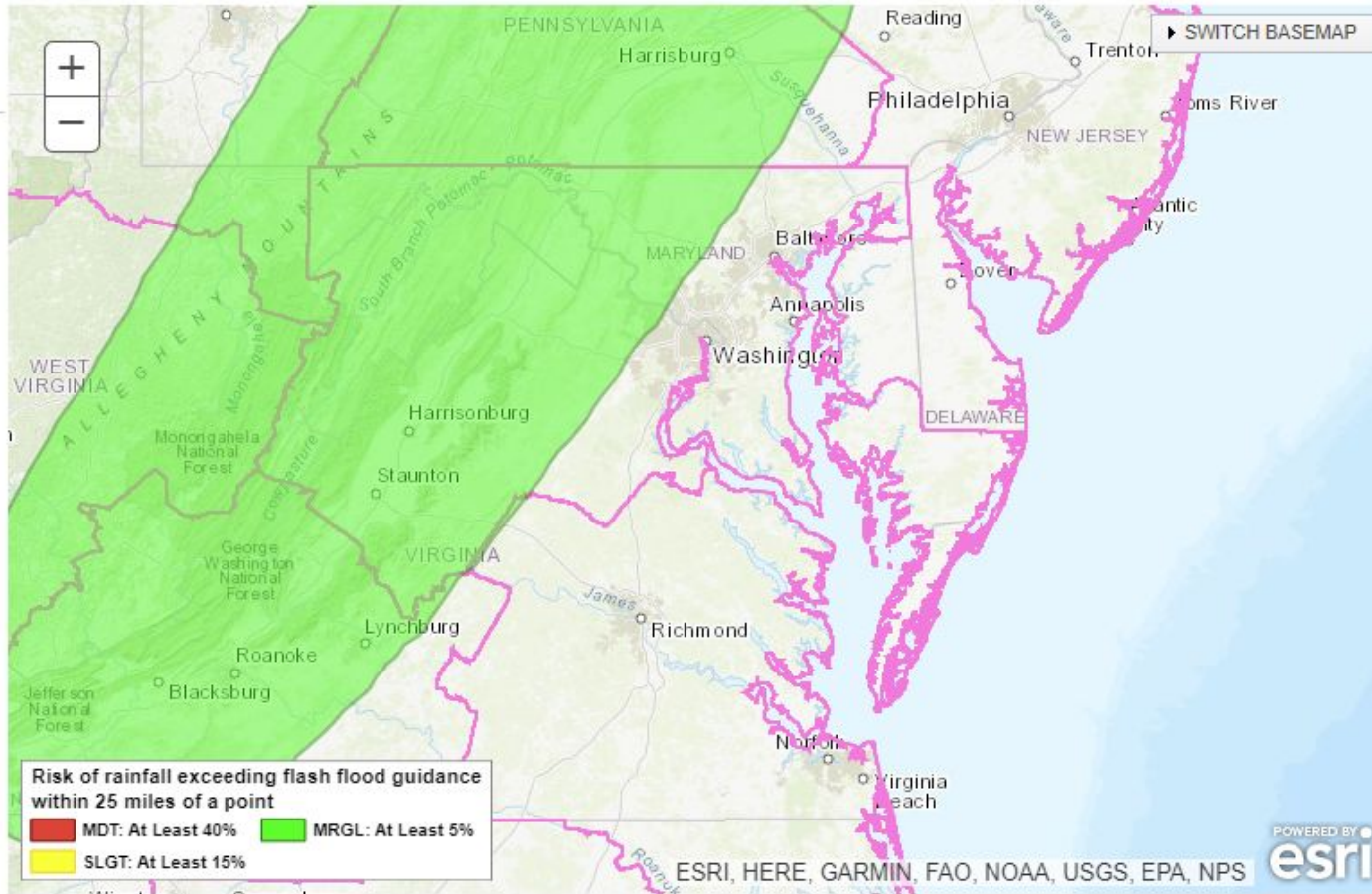




Flash Flooding Possible

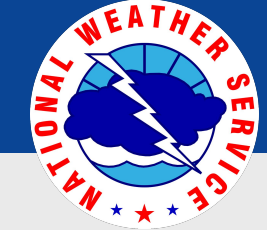
September 27, 2024
10:30 AM

Monday into Tuesday



- Upper level low moves through Monday into Tuesday.
- Possible 2" within 24 hours, especially in areas along the Blue Ridge.





National Hurricane Center Outlook

September 27, 2024
10:30 AM

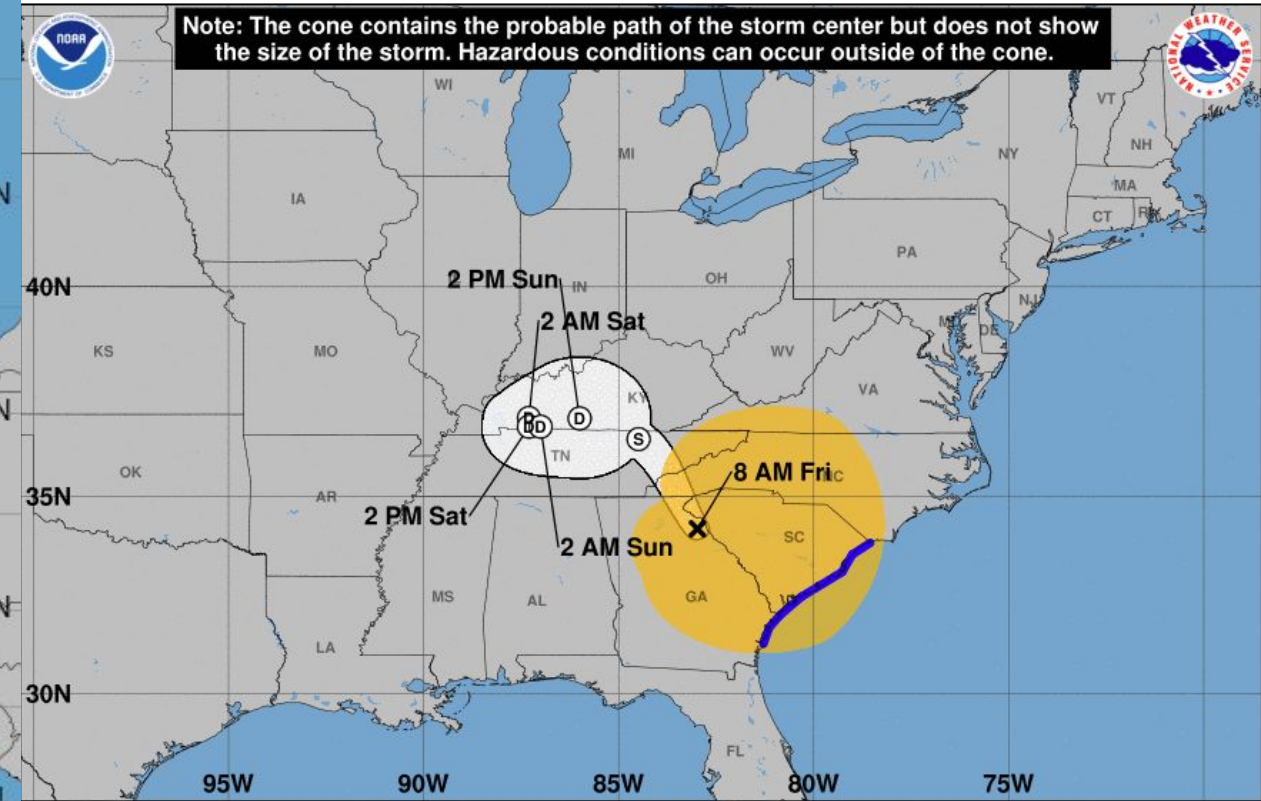
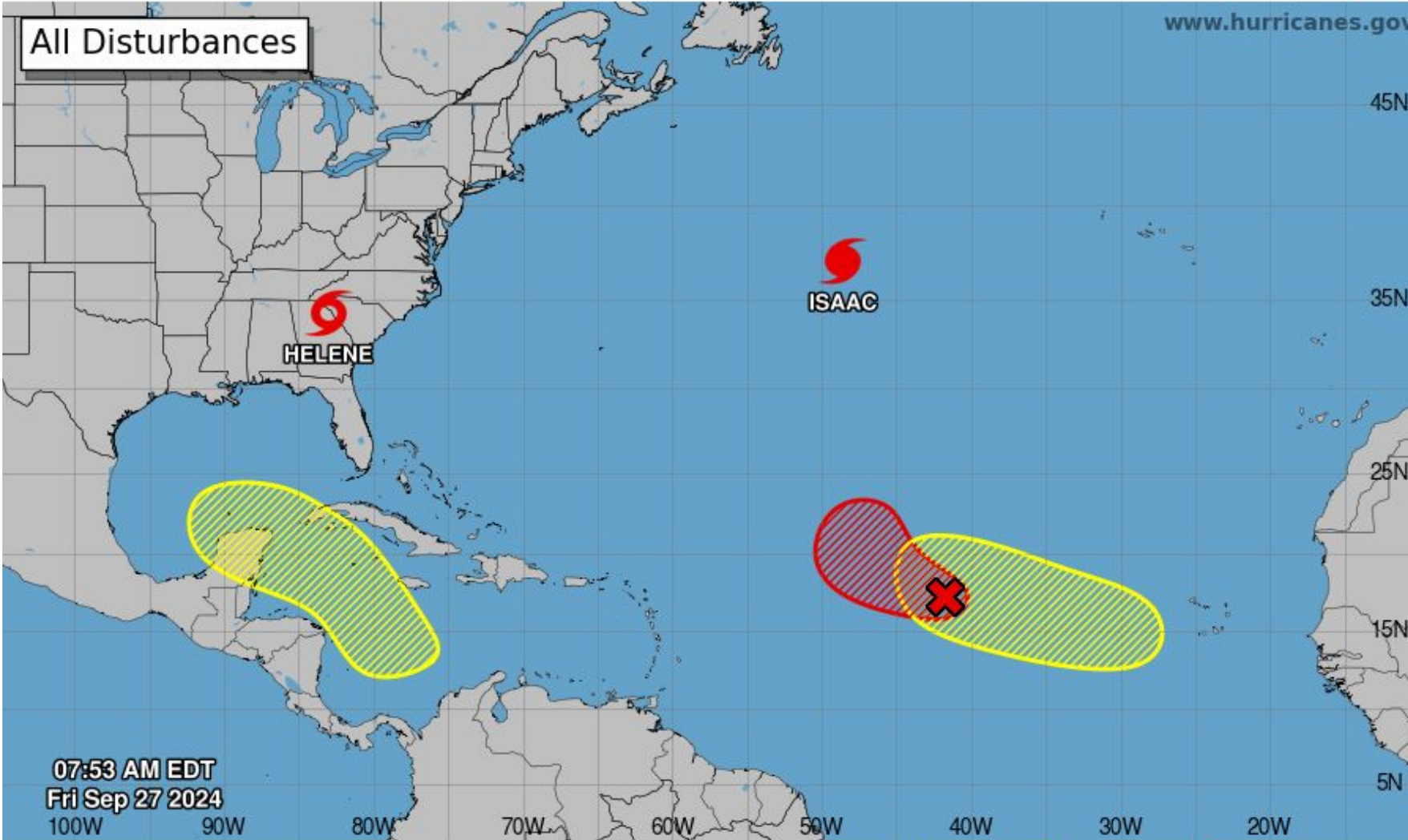
7 Day Outlook Through Thursday October 3



Seven-Day Graphical Tropical Weather Outlook National Hurricane Center Miami, Florida



- Tropical Storm Helene is expected to move into the Tennessee Valley before dissipating.
- NHC has several areas of interest highlighted, but no further threats to our area expected in the next 7 days.



Current Disturbances and Seven-Day Cyclone Formation Chance: < 40% 40-60% > 60%

Tropical or Sub-Tropical Cyclone: Depression Storm Hurricane

Post-Tropical Cyclone or Remnants

Tropical Storm Helene
Friday September 27, 2024
8 AM EDT Intermediate Advisory 16A
NWS National Hurricane Center

Current information: x
Center location 34.2 N 83.0 W
Maximum sustained wind 60 mph
Movement N at 30 mph

Forecast positions:
● Tropical Cyclone ○ Post/Potential TC
Sustained winds: D < 39 mph
S 39-73 mph H 74-110 mph M > 110 mph

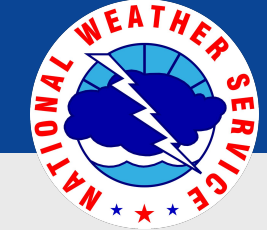
Potential track area: Day 1-3 Day 4-5

Watches: Hurricane Trop Stm

Warnings: Hurricane Trop Stm

Current wind field estimate: Hurricane Trop Stm





8-14 Day Outlook; Oct 4-Oct 10, 2024

September 27, 2024
10:30 AM

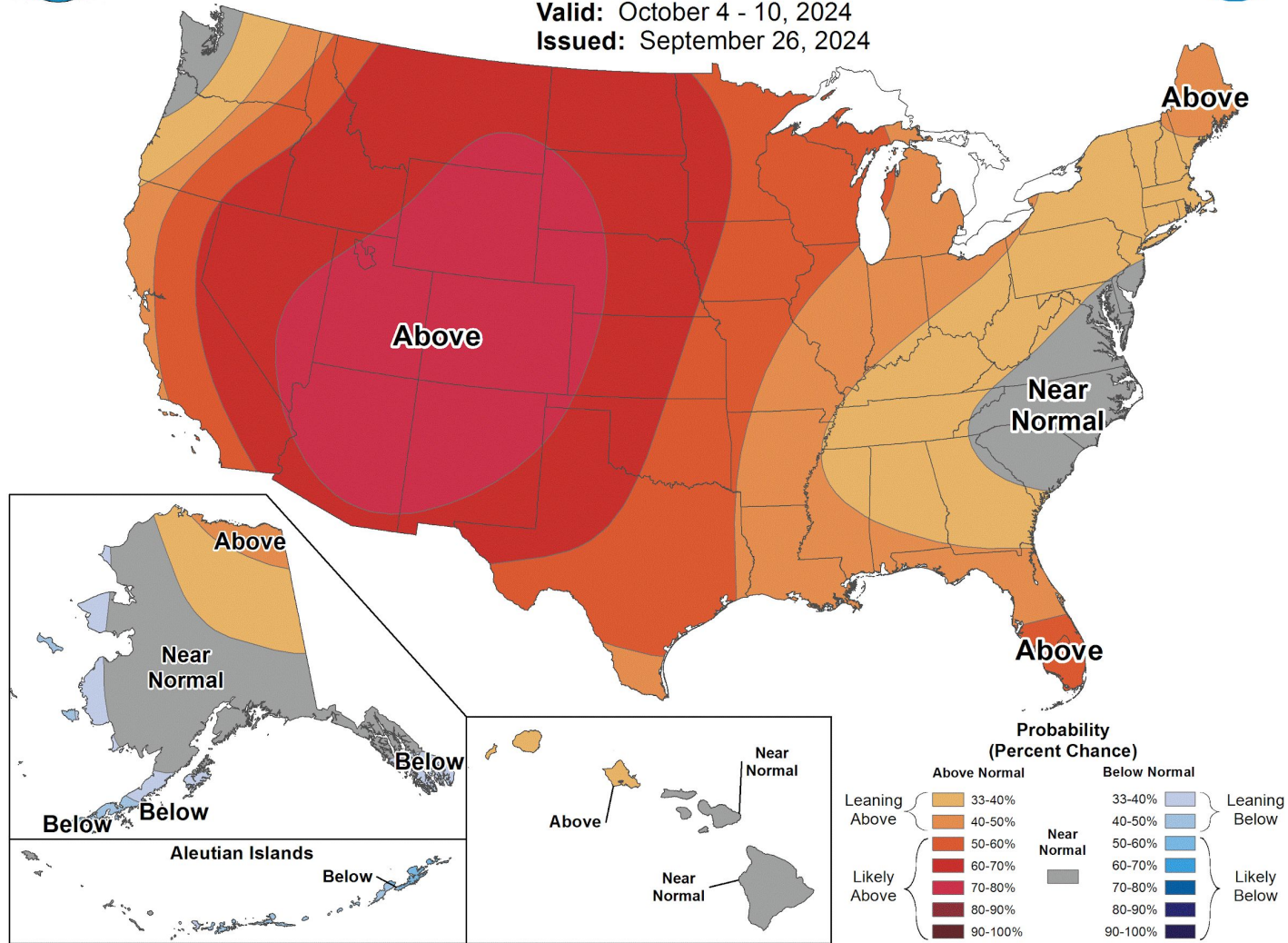
NWS Climate Prediction Center



8-14 Day Temperature Outlook



Valid: October 4 - 10, 2024
Issued: September 26, 2024



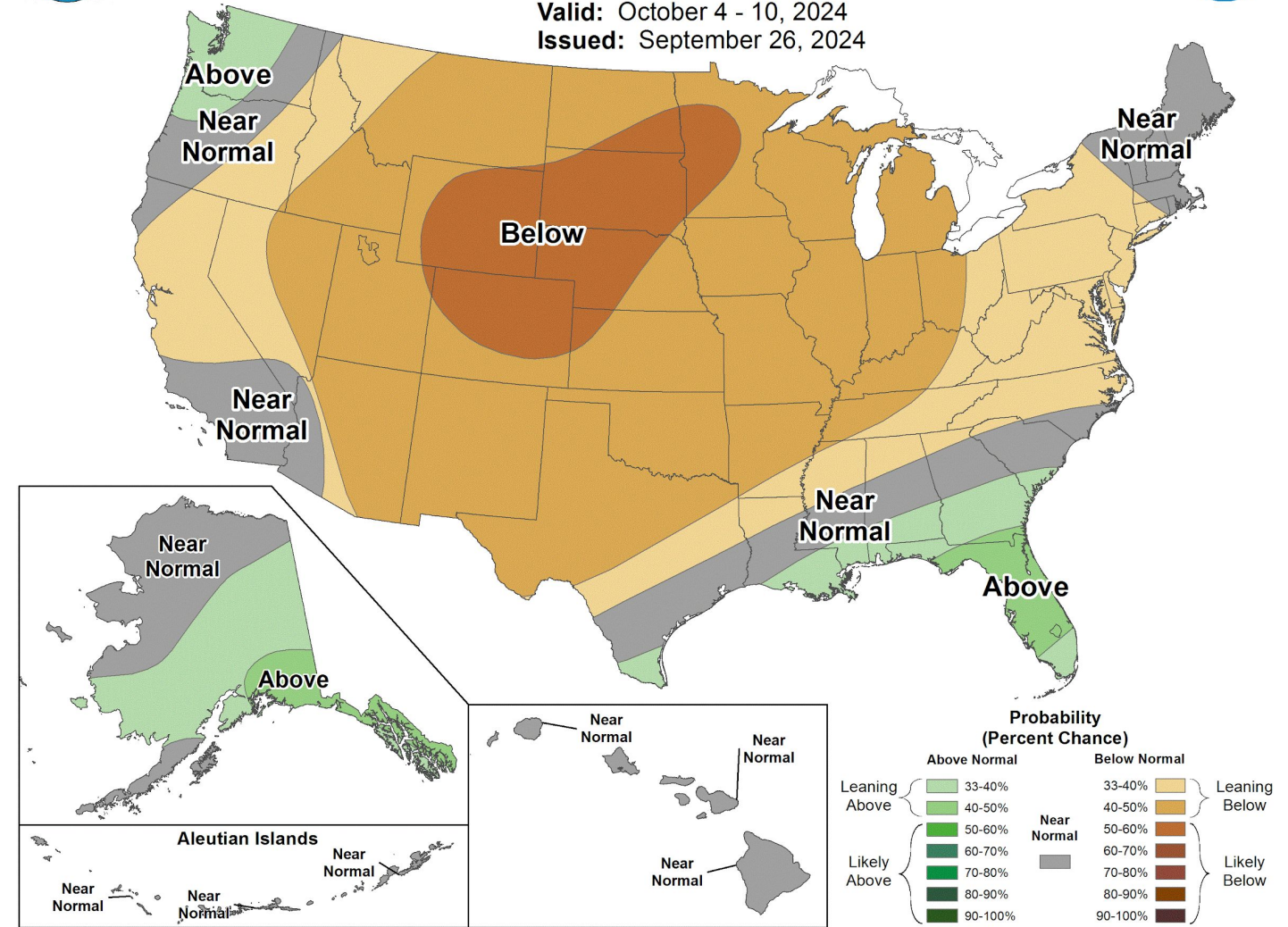
Leaning towards above normal temperatures



8-14 Day Precipitation Outlook



Valid: October 4 - 10, 2024
Issued: September 26, 2024



Leaning towards below normal precipitation





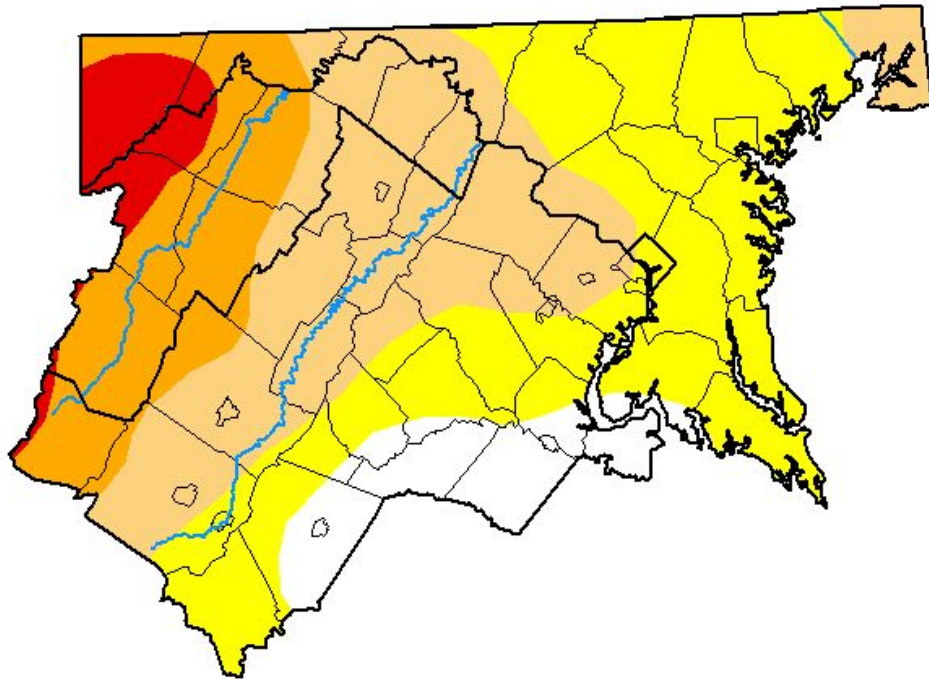
Current Drought Conditions

September 27, 2024
10:30 AM

Severe & Extreme Drought Remain Across the Alleghenies & Shenandoah Valley

U.S. Drought Monitor
**Baltimore, MD/
Washington, DC WFO**

September 24, 2024
(Released Thursday, Sep. 26, 2024)
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	8.82	91.18	54.09	21.16	5.11	0.00
Last Week 09-17-2024	14.87	85.13	59.10	26.82	2.55	0.00
3 Months Ago 06-25-2024	2.02	97.98	84.88	0.00	0.00	0.00
Start of Calendar Year 01-02-2024	30.93	69.07	32.89	8.96	0.00	0.00
Start of Water Year 09-26-2023	29.91	70.09	39.52	13.18	0.00	0.00
One Year Ago 09-26-2023	29.91	70.09	39.52	13.18	0.00	0.00

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

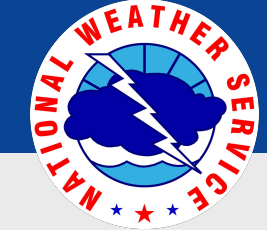
Author:

Brad Rippey
U.S. Department of Agriculture



droughtmonitor.unl.edu

- Extreme Drought remains across Garrett Co. MD and has been added to western Grant and western Pendleton Co. in WV as well as western Highland Co. VA.
- Severe Drought remains across the Shenandoah Valley, eastern WV, & western MD.
- Rainfall amounts over the last 30 days have ranged between 1-5” across northern and central VA as well as the WV/VA Highlands. Rainfall amounts less than a 0.25” have been observed over northeast MD where moderate drought has been re-introduced.



Summary of Key Messages

September 27, 2024
10:30 AM

Recap

● Through Tonight

- Scattered instances of flooding are possible through this evening, mainly across central Virginia.
- A brief tornado is possible this afternoon and early evening across central Virginia and extreme southern Maryland.
- Strong wind gusts around 50 mph are expected along the the ridge tops of the Allegheny Highlands and Blue Ridge Mountains through early this evening.
- Moderate tidal flooding is possible tonight.

● Monday into Tuesday

- Isolated instances of flooding are possible.



Next Briefing

- 10:30 AM Monday, September 30, 2024
- If any new hazards arise, our “heads-up” email will be sent.
- Email us if you need to be added to our “heads-up” email list.



NWS Balt/Wash EM Webpage

- weather.gov/lwx/empage



Contact Information

Email

- nws-sterling-wxsupport@noaa.gov

Social Media

- facebook.com/NWSBaltWash
- [@NWS_BaltWash](https://twitter.com/NWS_BaltWash)

