



# Coastal Storm BRIEFING

8:00 AM EDT

Sunday, October 2, 2022

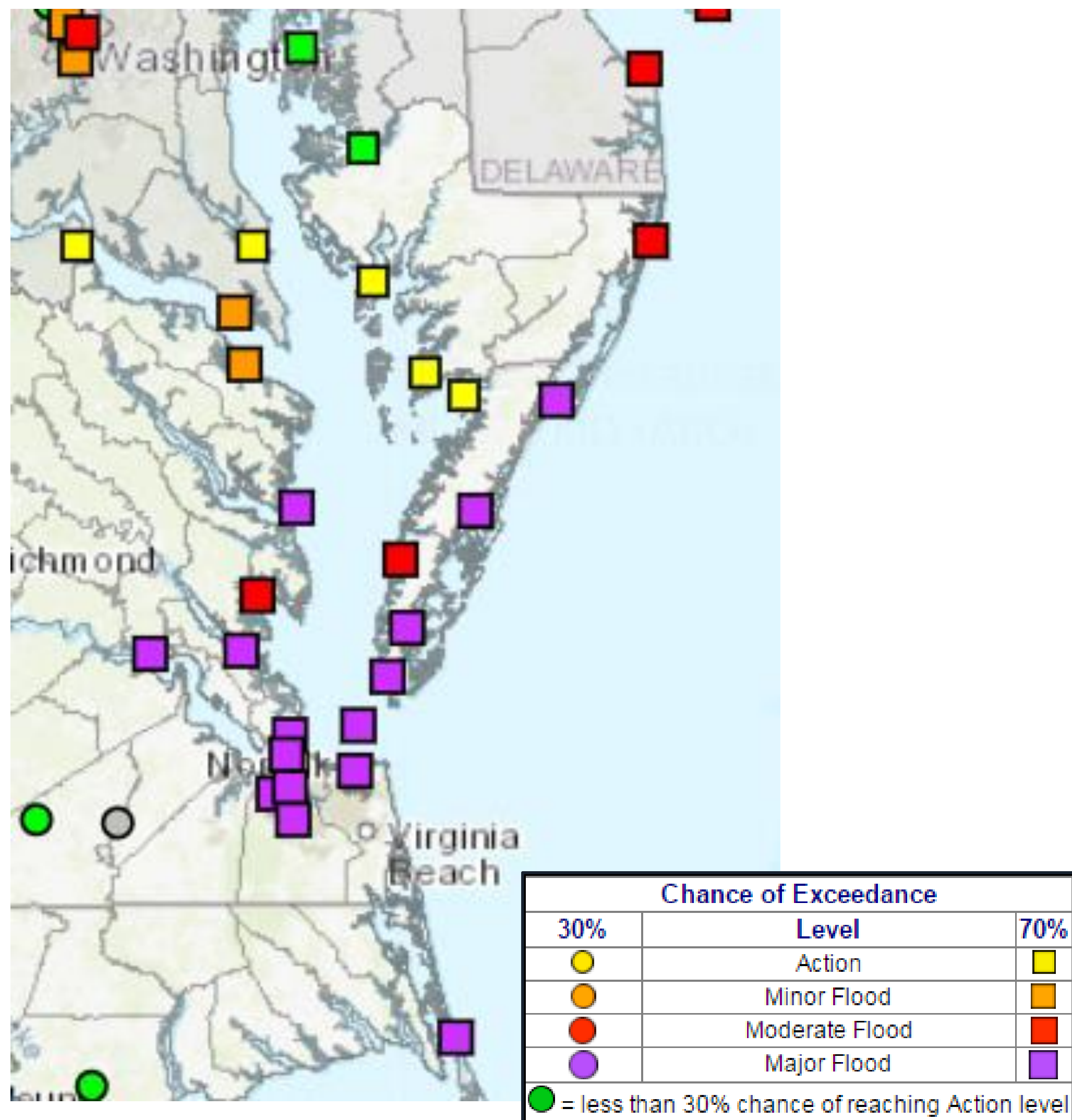
What has changed: Coastal Flood Warnings now in effect for much of the coastal areas. Storm Warnings now in effect for the northern coastal waters.

**Next Briefing: By 6 PM Sunday (10/2)**

*Disclaimer: The information contained within is time-sensitive. Please visit our website for the latest information.*



# Significant Coastal Flooding Expected

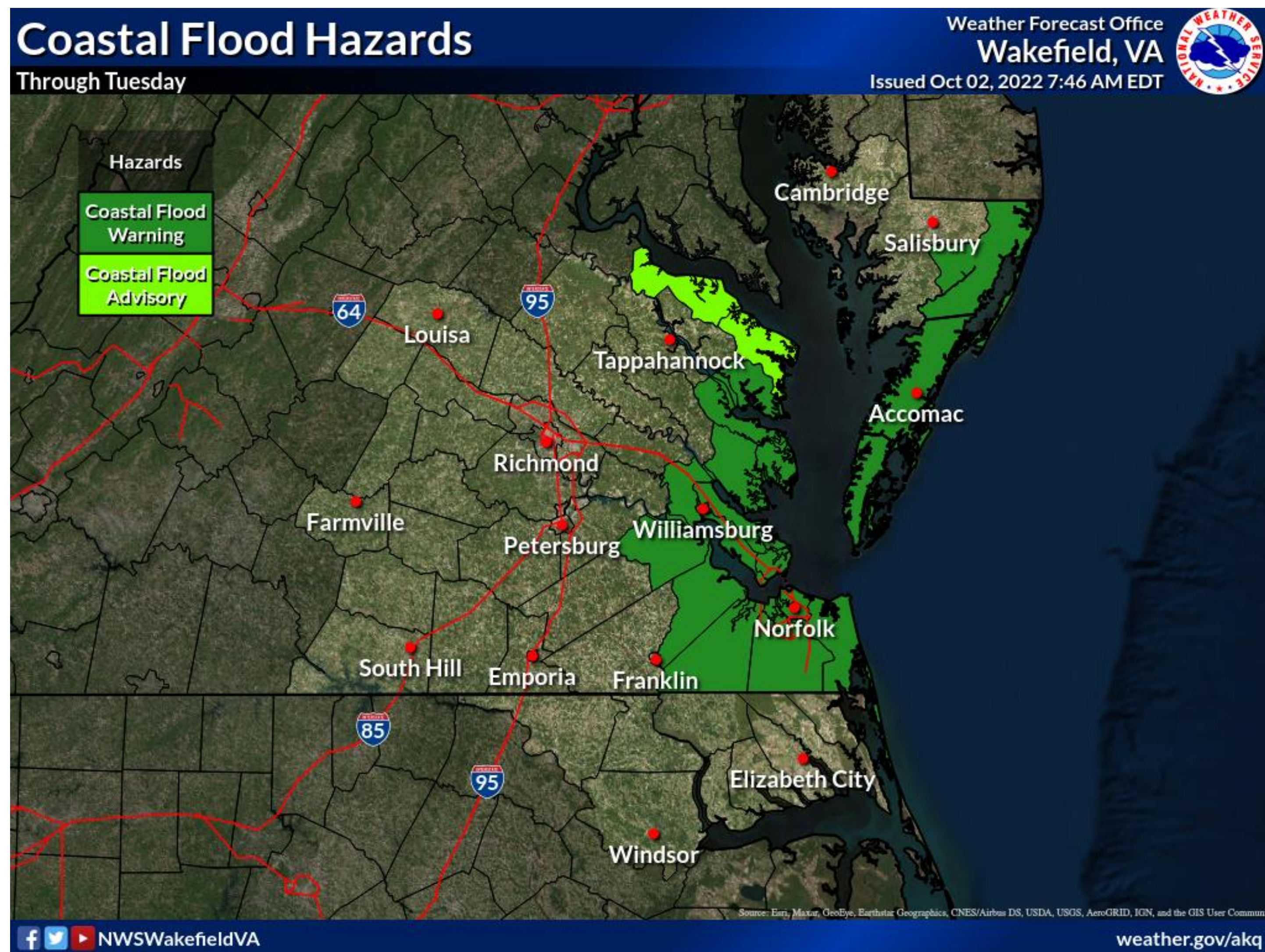


- **A significant multi-day coastal flood event is expected later tonight through Monday**
- Winds increase tonight through Monday night. Water levels will likely exceed moderate flood thresholds Sunday night through Monday night. Highest tides are expected Monday. Major flooding is possible in SE VA and NE NC. **Repeated flooding of coastal locations is likely through Tuesday.**
- **Especially in the lower Chesapeake Bay, tide levels of these forecast heights have not been seen in the last 10-15 years.**





# Coastal Flood Headlines

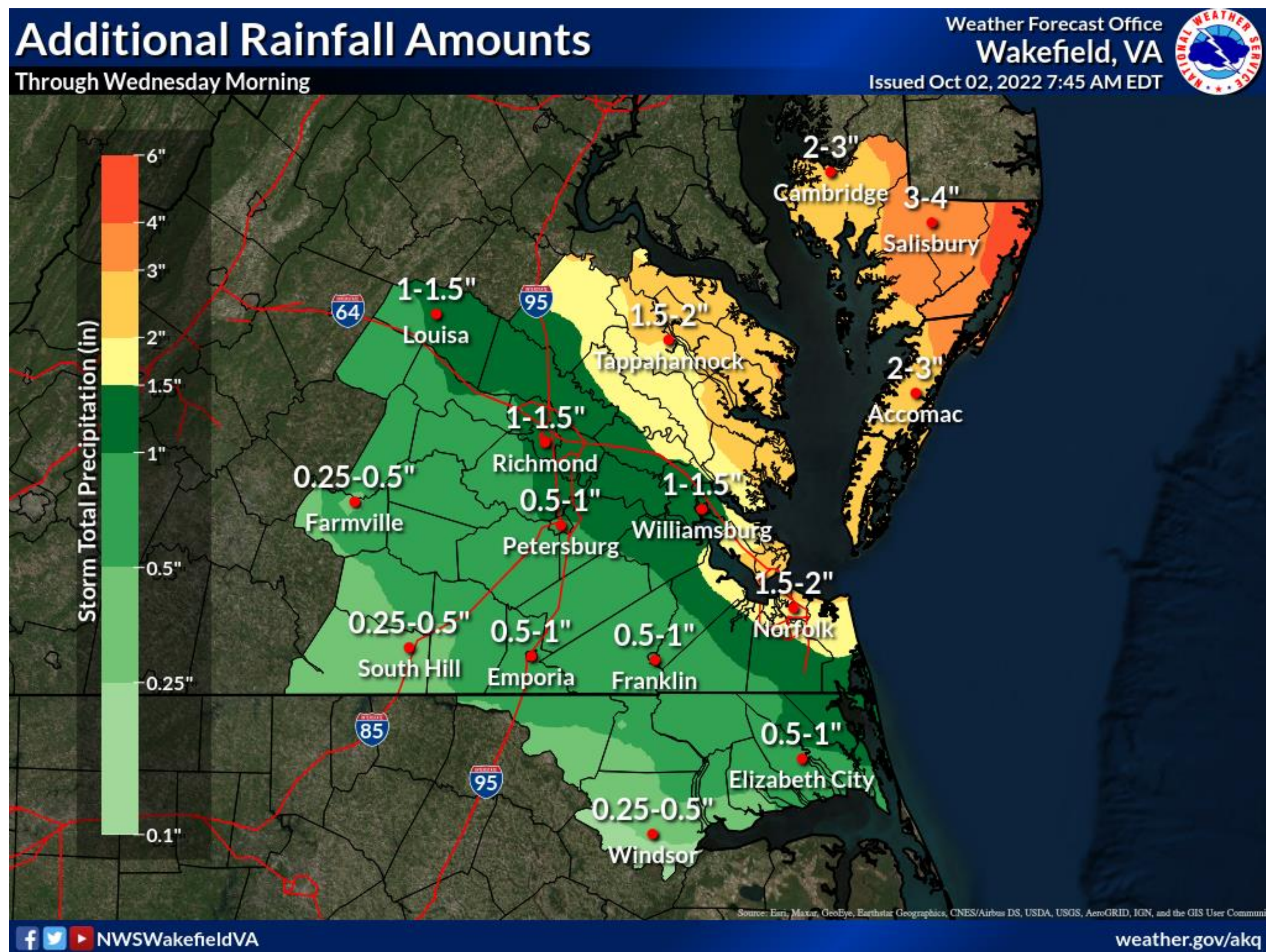


- **Several cycles of additional moderate to major coastal flooding are expected Sunday night through Tuesday.**
- **Highest tides expected Monday**
- There is the potential for 3 feet of inundation above ground level in vulnerable areas resulting in flooded roads and property damage.





# Expected Additional Rainfall Through Tuesday



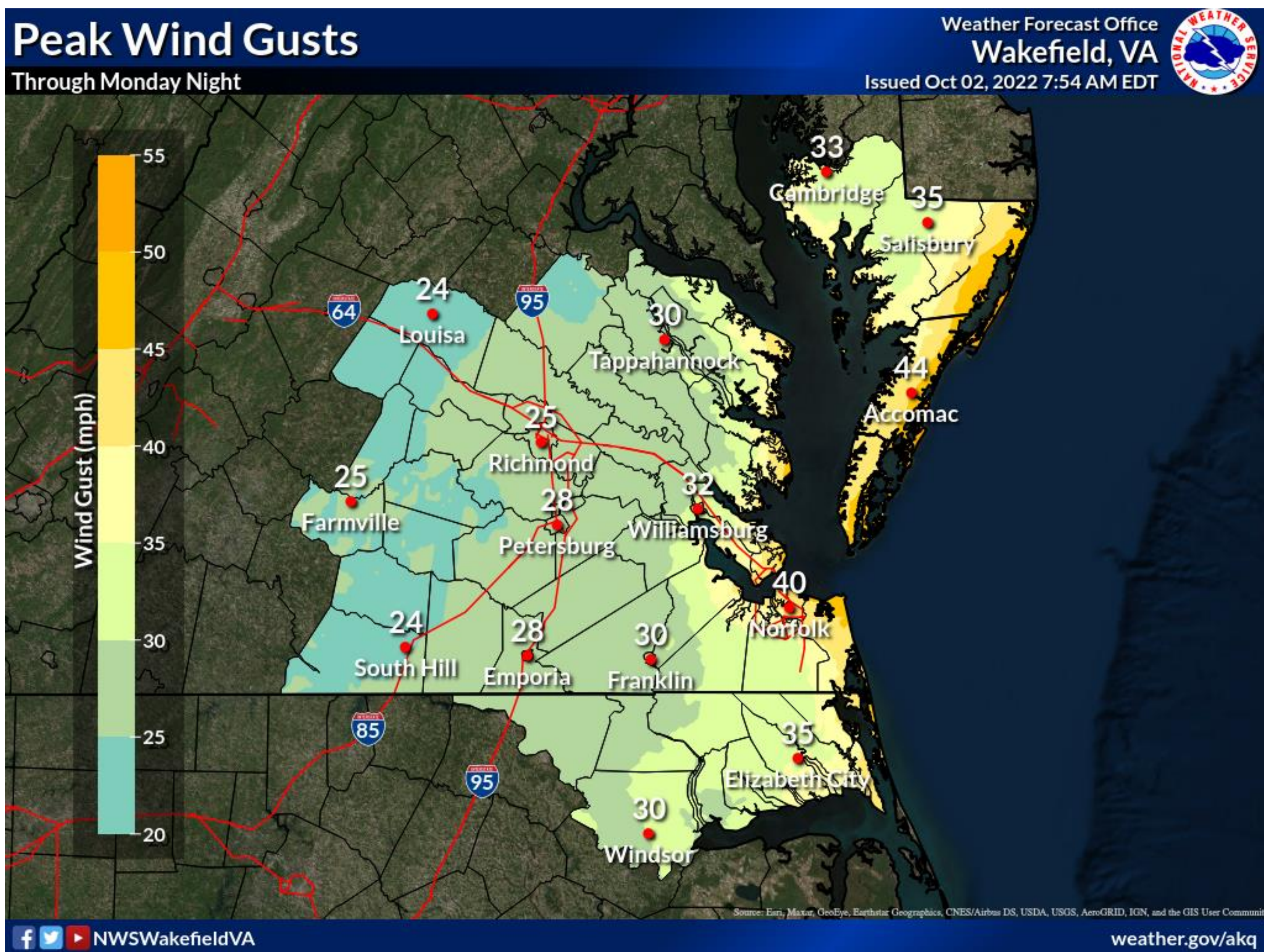
- Rain re-develops Sunday afternoon and lingers through Tuesday.
- Rainfall of 1-4 inches of rain is possible, with the highest amounts expected east of I-95 and over the MD/VA eastern shore. Some places in the Maryland Eastern Shore may see up to 5 inches of rain through Tuesday.

***Note: There will likely be locally higher amounts***





# Maximum Wind Gusts

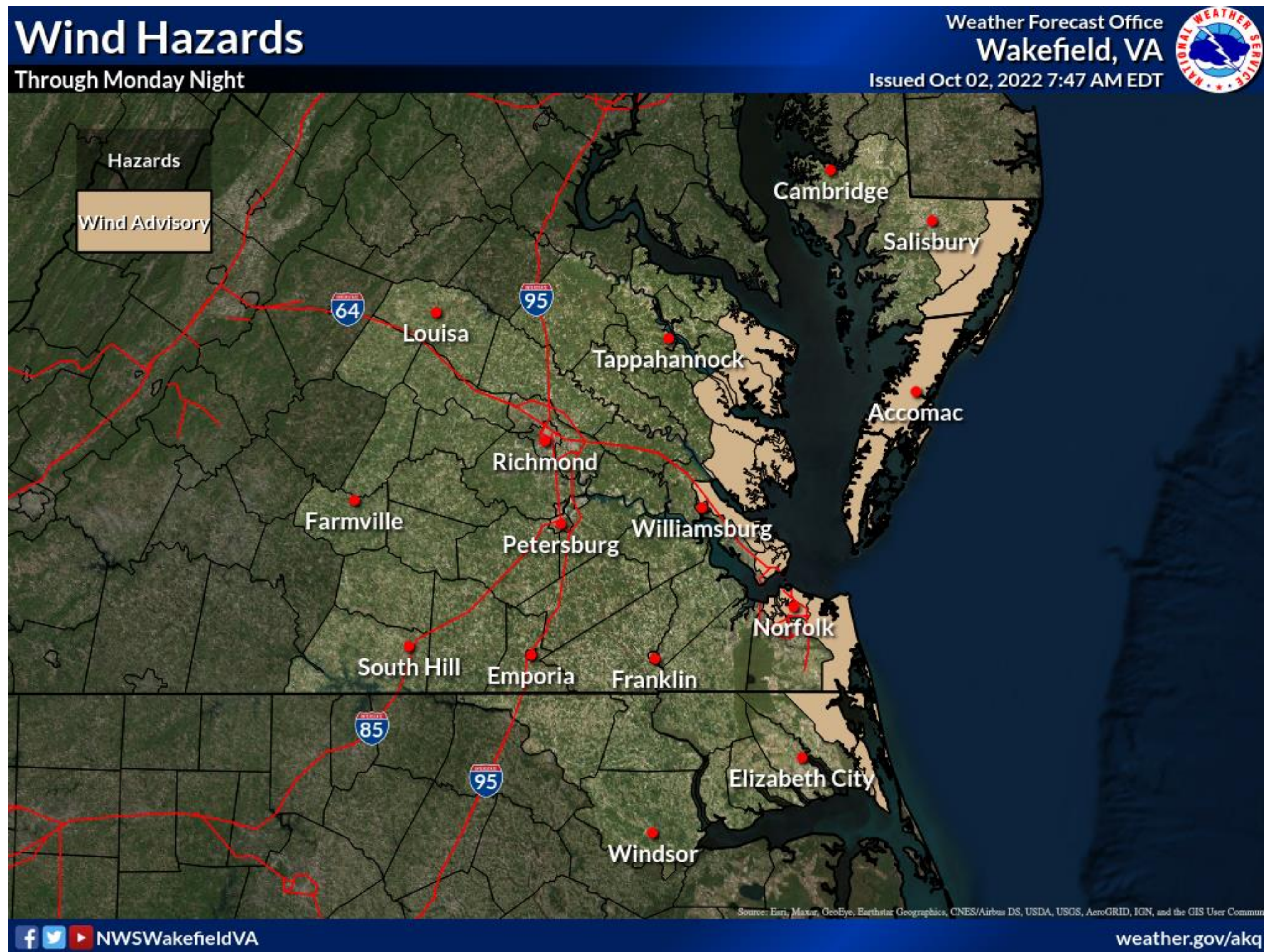


- **Another surge of wind is expected this afternoon through Monday.** North to northeast wind gusts up to 50 mph are possible near the coast in MD and VA during this period.
- A Wind Advisory remains in effect for areas along the immediate coast for tonight through Monday evening.





# Wind Hazards

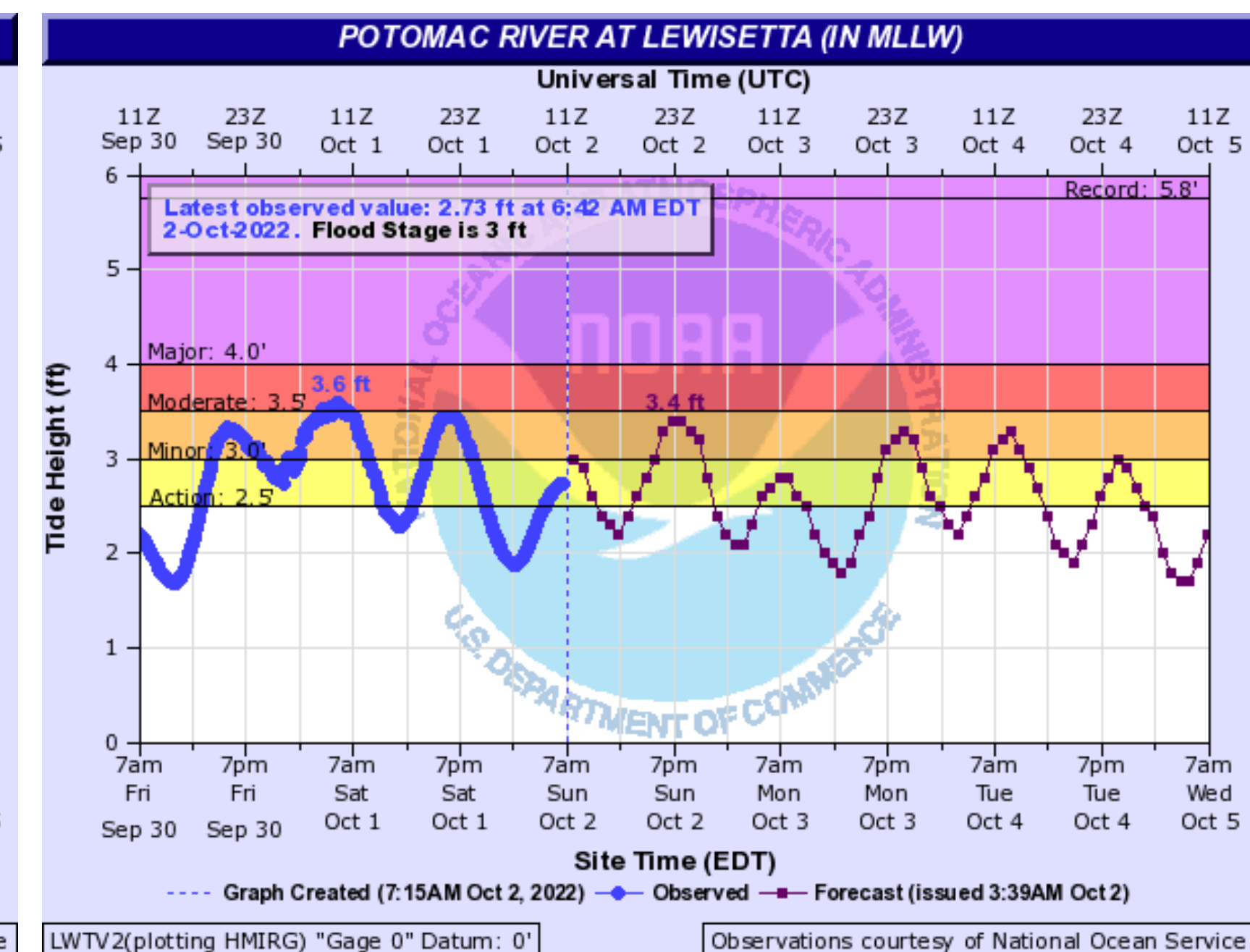
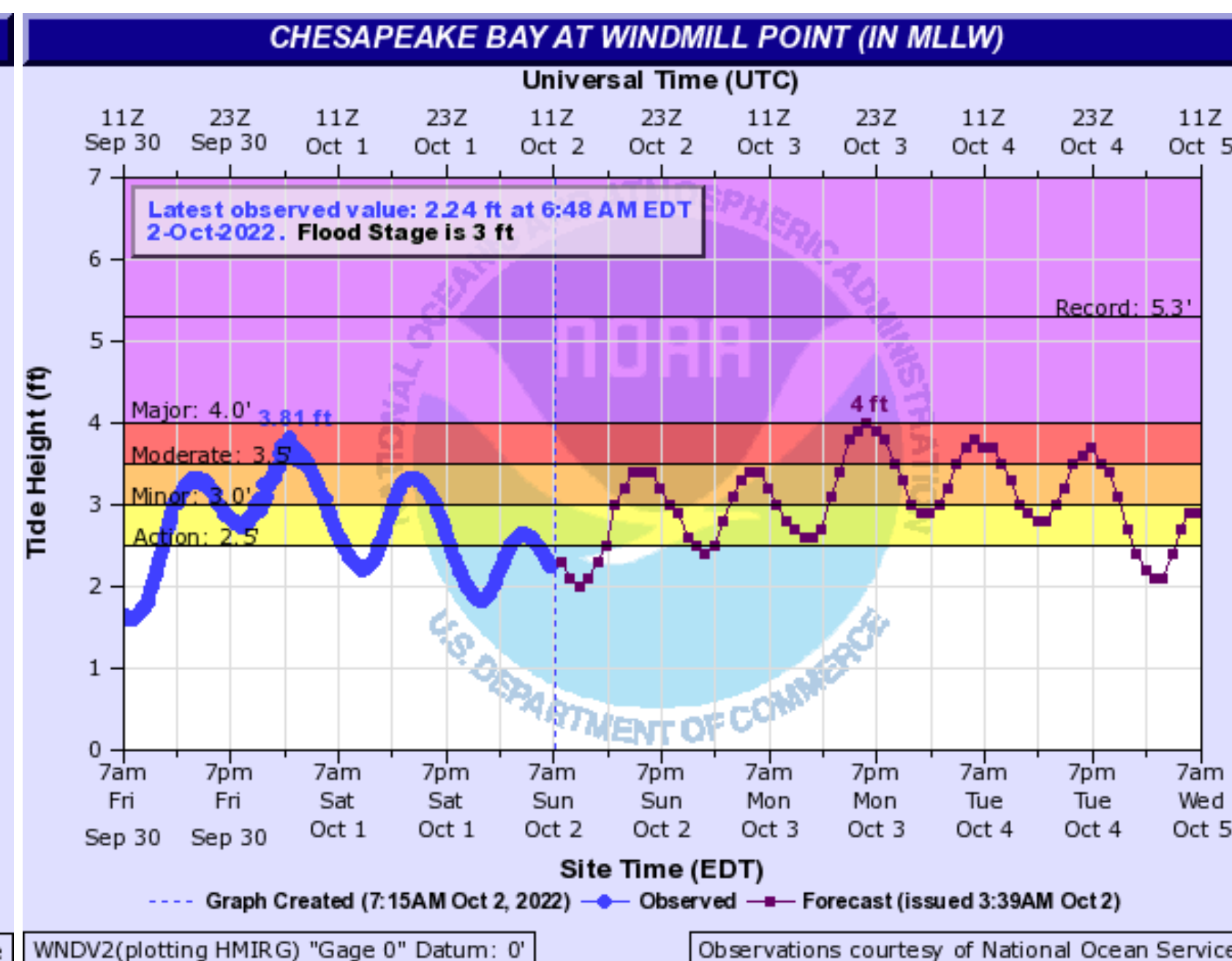
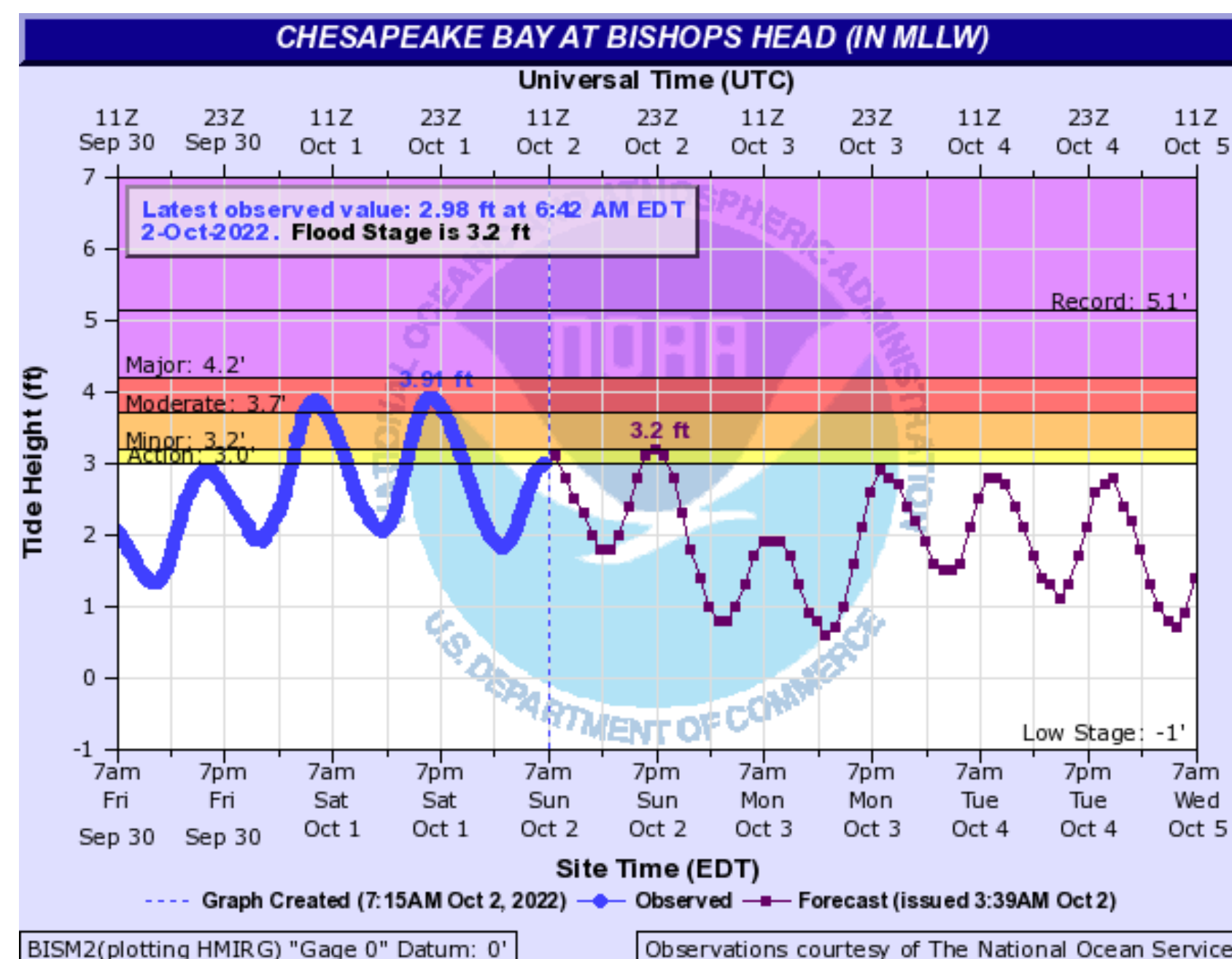


- Wind Advisories remain in effect for areas close to the ocean and bay through Monday Evening.
- Wind gusts up to 50 mph can be expected.





# Tidal Flooding – Upper Bay



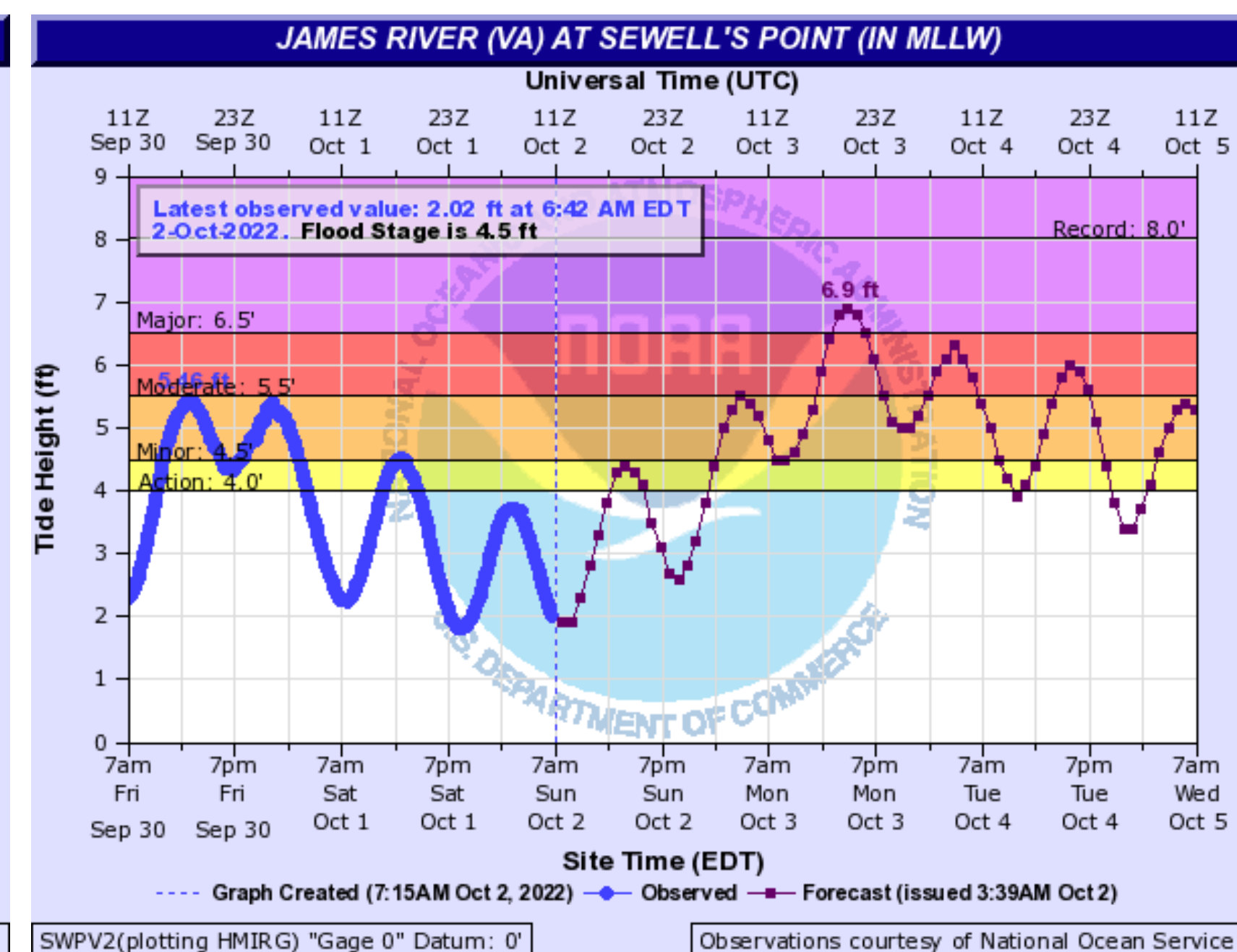
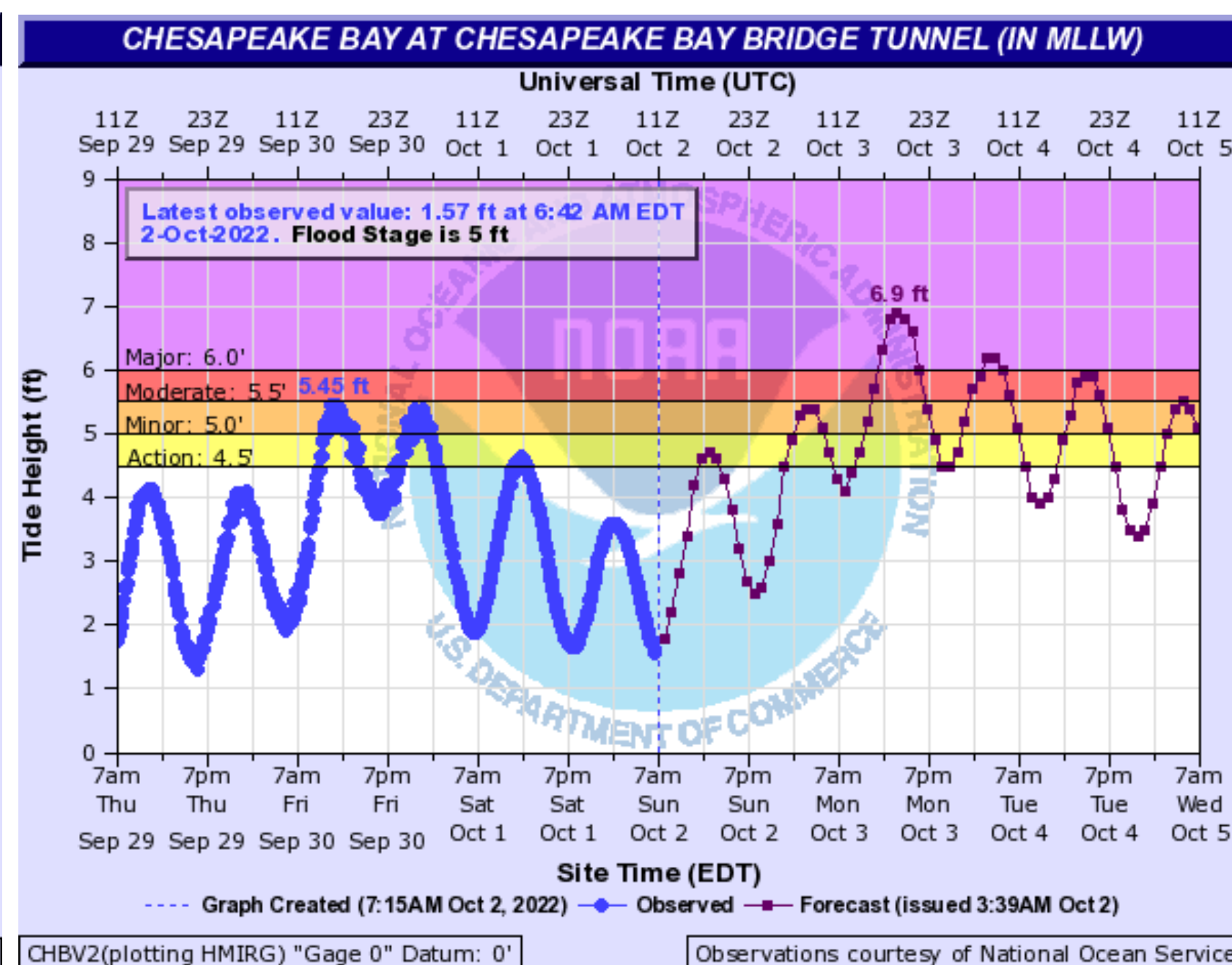
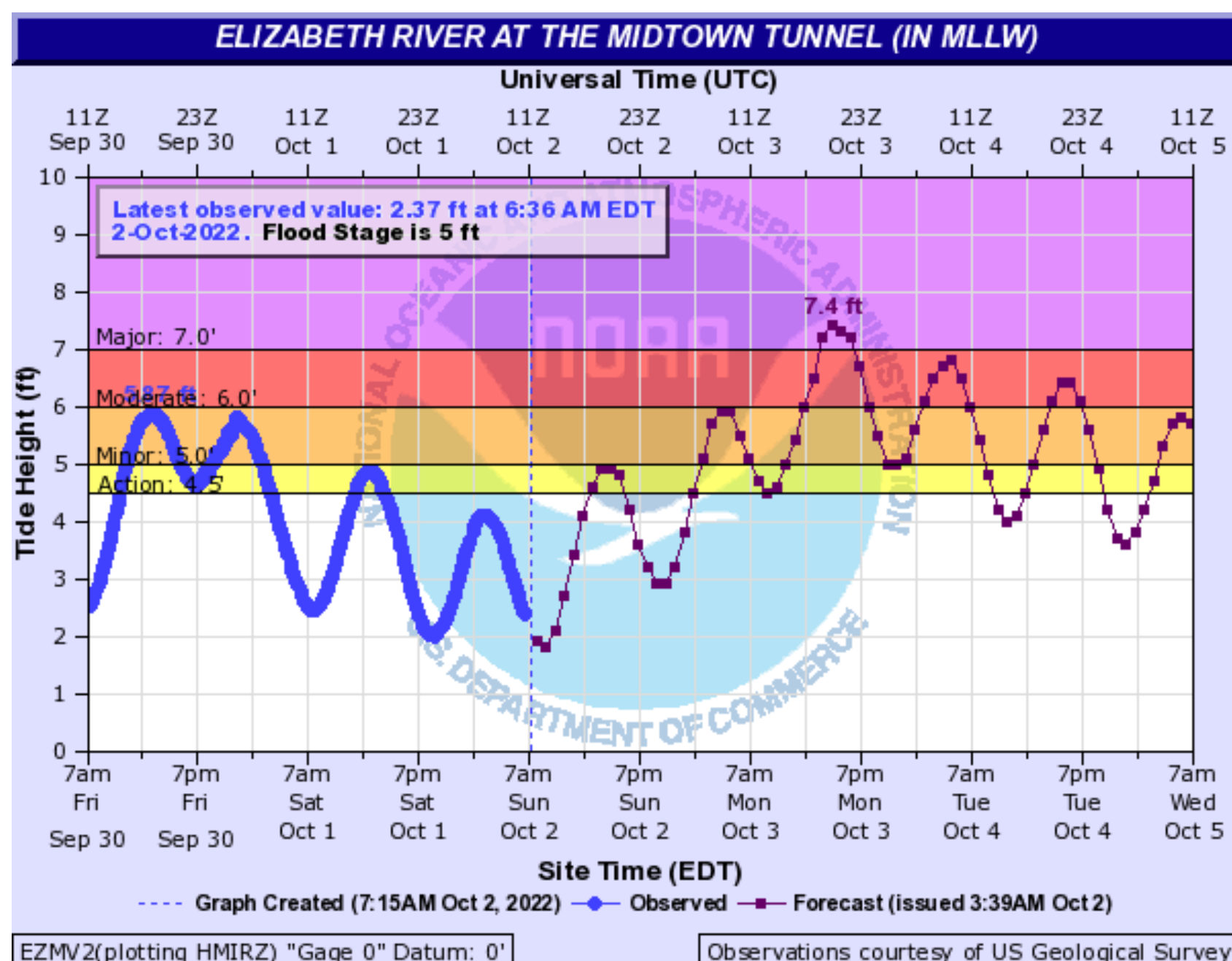
**NOTE:** All forecasts above reference Mean Lower Low Water (MLLW).

- **Minor:** Shallow flooding in the most vulnerable locations near the waterfront and shoreline resulting in a low threat of property damage.
- **Moderate:** Widespread flooding of vulnerable areas will result in elevated threat of property damage





# Tidal Flooding – Lower Bay/James



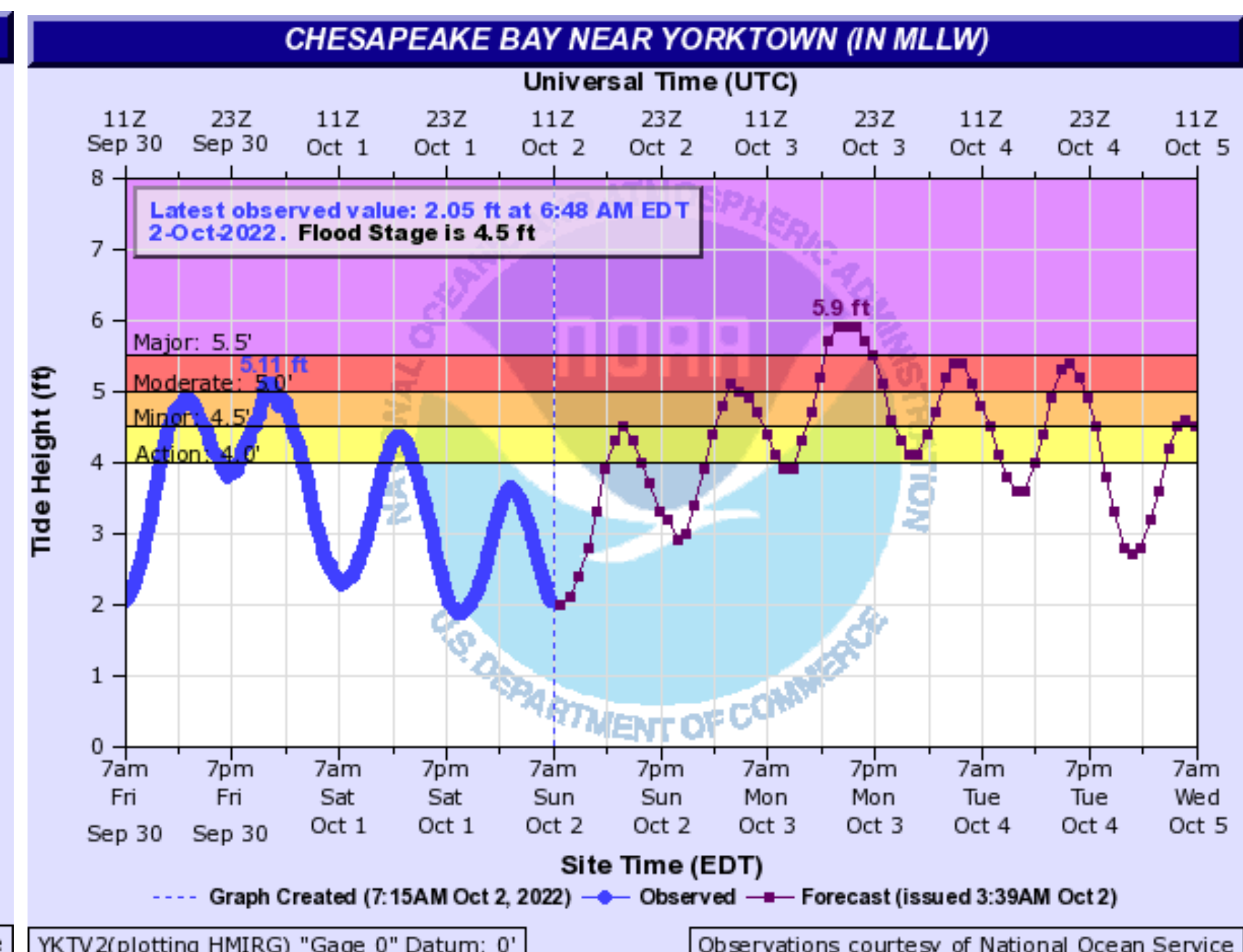
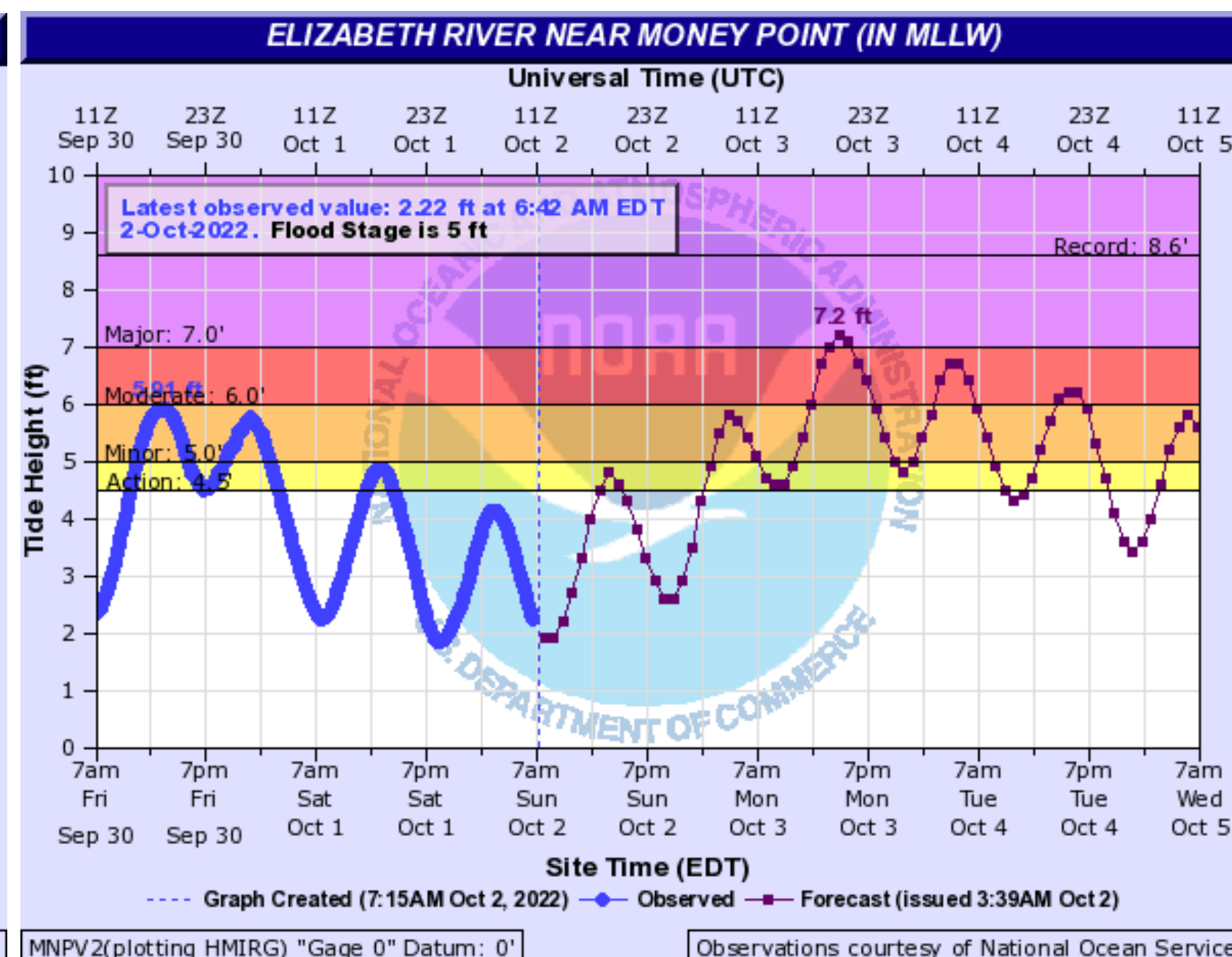
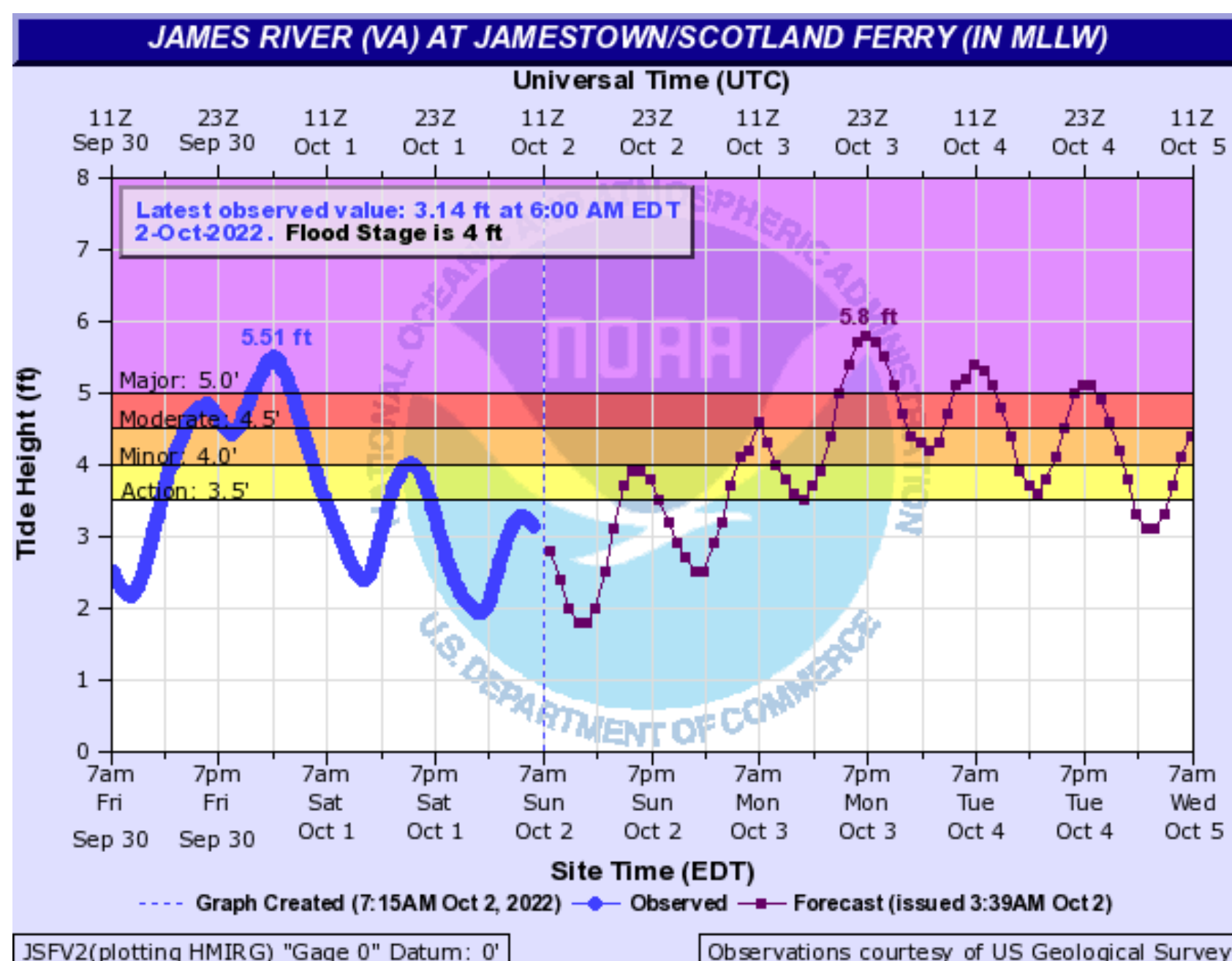
**NOTE:** All forecasts above reference Mean Lower Low Water (MLLW).

- **Minor:** Shallow flooding in the most vulnerable locations near the waterfront and shoreline resulting in a low threat of property damage.
- **Moderate:** Widespread flooding of vulnerable areas will result in elevated threat of property damage
- **Major:** Severe flooding will cause extensive inundation and flooding of numerous roads and buildings, resulting in a significant threat to property.





# Tidal Flooding – Lower Bay/James



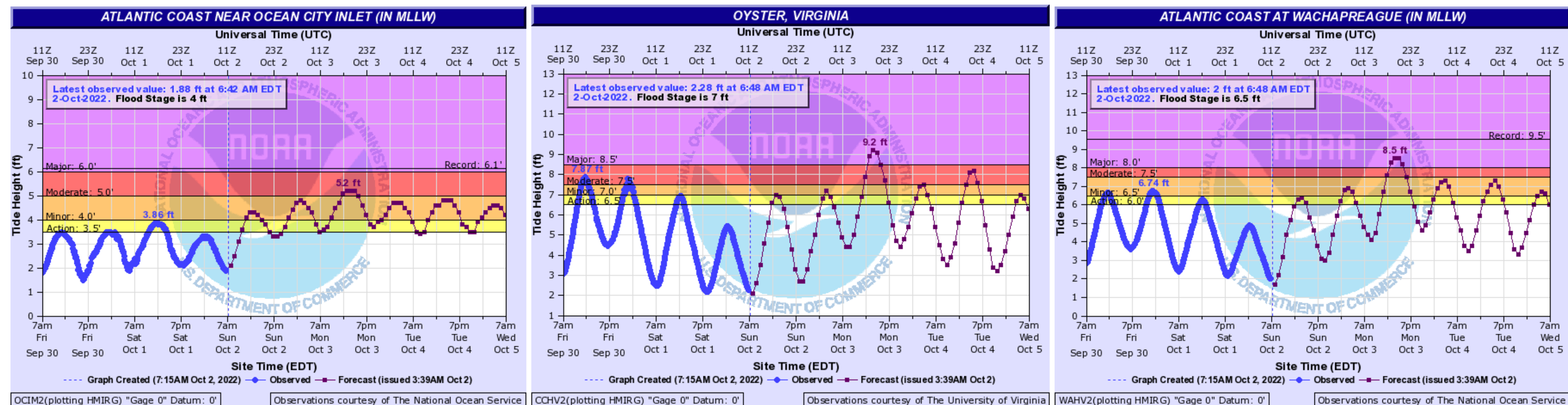
**NOTE:** All forecasts above reference Mean Lower Low Water (MLLW).

- **Minor:** Shallow flooding in the most vulnerable locations near the waterfront and shoreline resulting in a low threat of property damage.
- **Moderate:** Widespread flooding of vulnerable areas will result in elevated threat of property damage
- **Major:** Severe flooding will cause extensive inundation and flooding of numerous roads and buildings, resulting in a significant threat to property.





# Tidal Flooding – Ocean



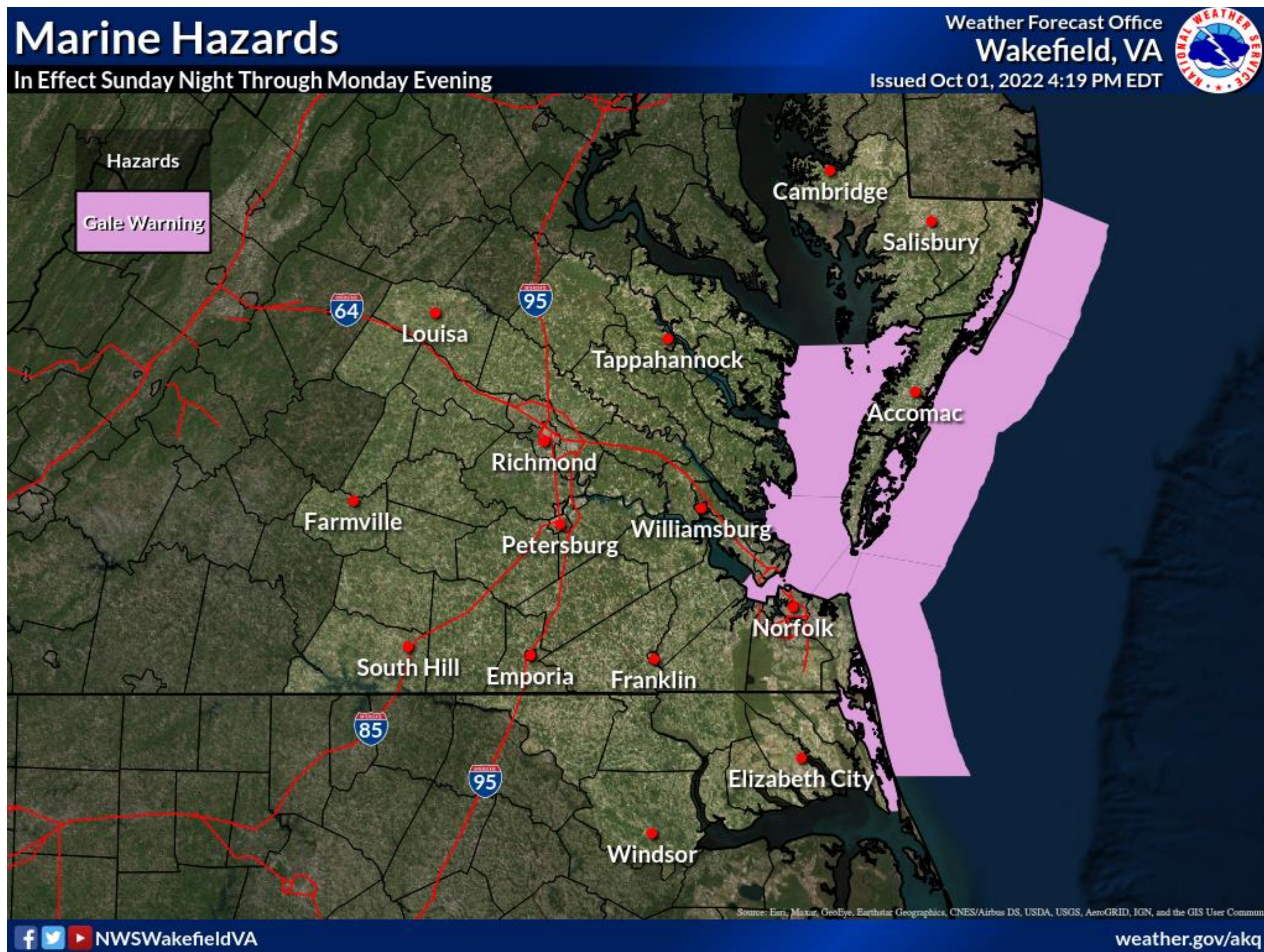
**NOTE:** All forecasts above reference Mean Lower Low Water (MLLW).

- **Minor:** Shallow flooding in the most vulnerable locations near the waterfront and shoreline resulting in a low threat of property damage.
- **Moderate:** Widespread flooding of vulnerable areas will result in elevated threat of property damage
- **Major:** Severe flooding will cause extensive inundation and flooding of numerous roads and buildings, resulting in a significant threat to property.





# Marine Headlines

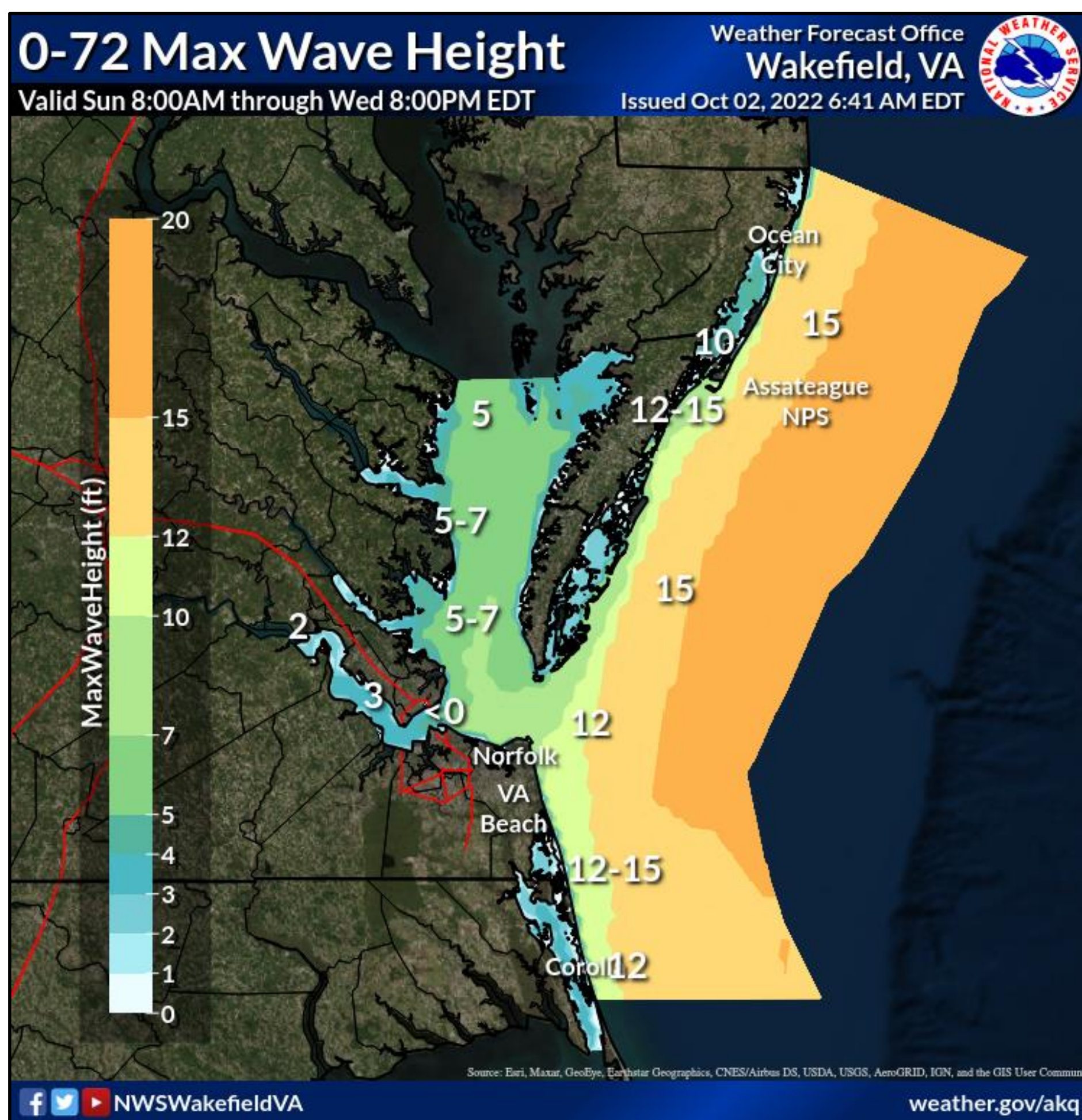
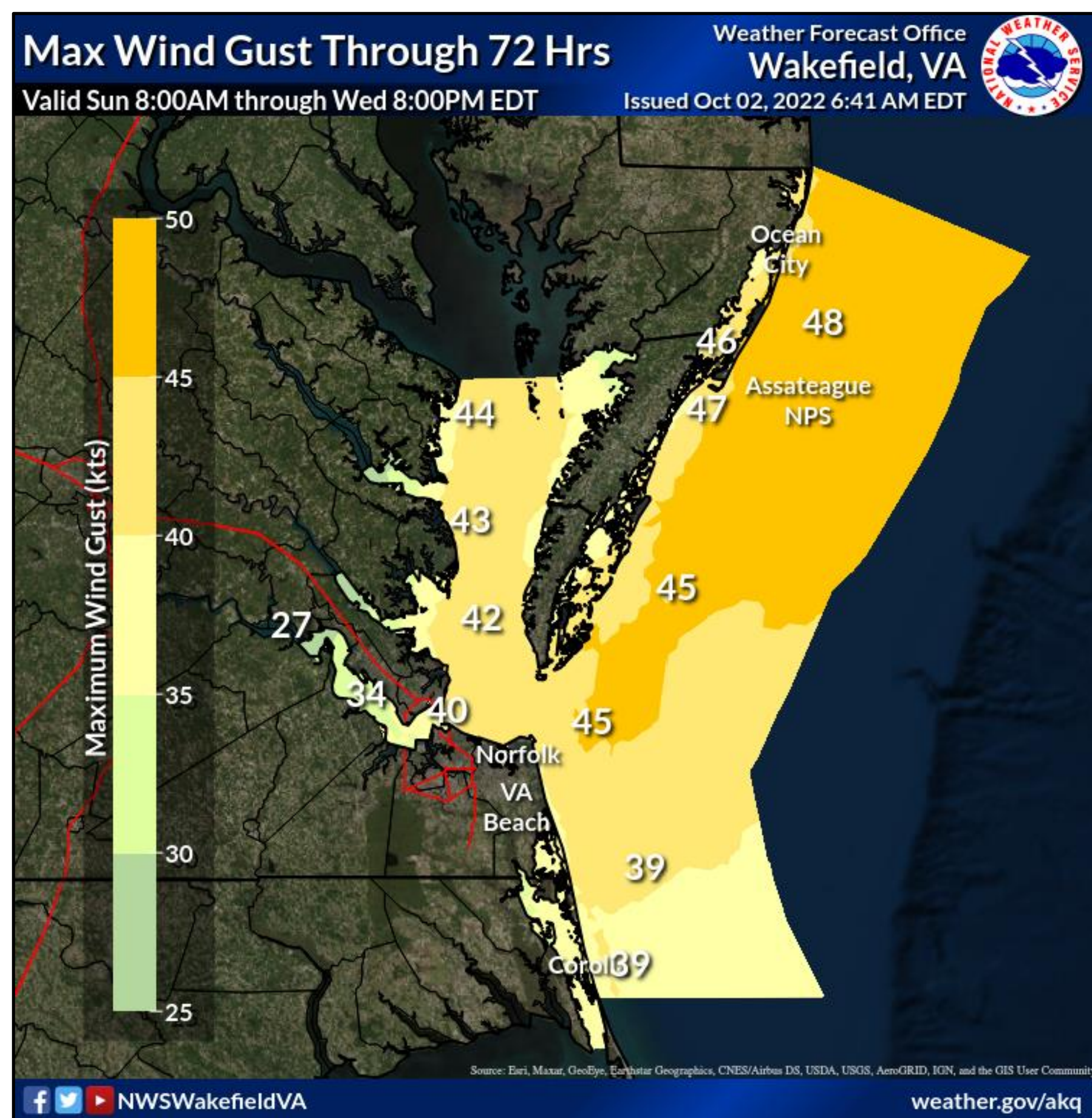


- Winds quickly increase later this afternoon into tonight and continue through Monday night.
- **Storm Warning now in effect for areas north of Parramore Island**
- Gale Warning In effect for the remainder of the waters
- **Additional beach erosion is likely due to large breaking waves.**





# Marine Threat Potential



- Another surge of N-NE winds is expected tonight into Monday night
- North to Northeast gusts of 40-50 kt, highest over the MD/VA coastal waters.
- Seas will be dangerous, with values as high as 15 feet.





# Key Take-Aways

- **A significant multi-day coastal flood event is now likely especially along the Atlantic Coast and southern Chesapeake Bay.**
- Major coastal flooding is expected as early as tonight but especially on Monday, having the potential for 3 feet inundation above dry ground
- **Another round of storm force to gale force winds is expected, occurring from tonight through Monday (out of the N and NE). Additional beach erosion is likely due to large breaking waves.**
- **Gusty winds of 50 mph also expected near the coast.**








# Next Briefing:


When: By 6 PM EDT Sunday (10/2)

Method: Email


 **Web:** <https://www.weather.gov/akq/>

 **Phone:** (757) 899-4200

 **E-mail:** [akq-report@noaa.gov](mailto:akq-report@noaa.gov)

 **Facebook:** [NWSWakefieldVA](https://www.facebook.com/NWSWakefieldVA)

 **Twitter:** [NWSWakefieldVA](https://twitter.com/NWSWakefieldVA)

 **YouTube:** [NWSWakefieldVA](https://www.youtube.com/NWSWakefieldVA)

*For the latest graphics and information go to: <https://www.nhc.noaa.gov/> or [weather.gov/akq/tropical](https://www.weather.gov/akq/tropical)*