



Coastal Storm BRIEFING

5:00 PM EDT

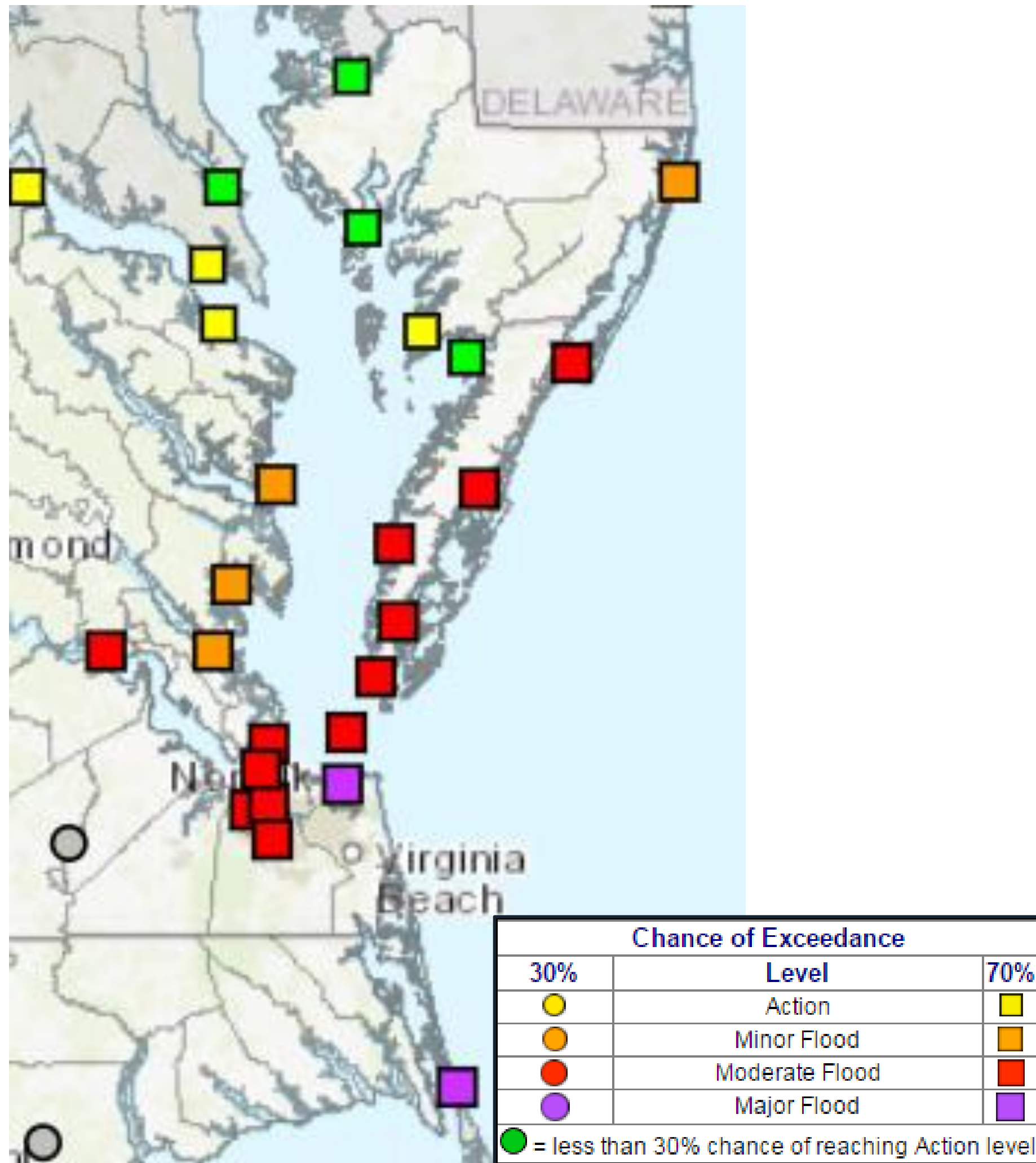
Monday, October 3, 2022

What has changed: Tide Forecasts Lowered – Up to Moderate
Flooding now expected today

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



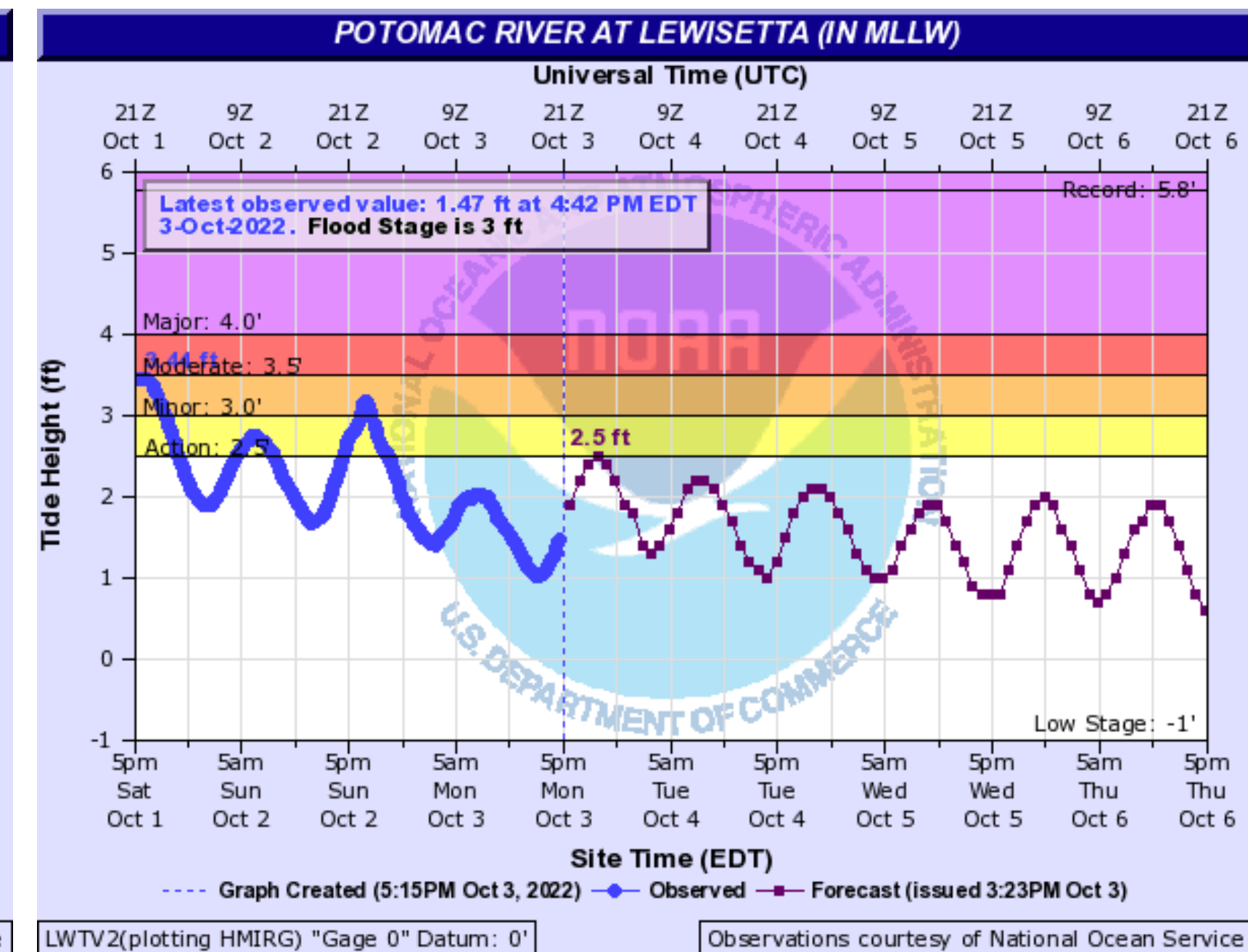
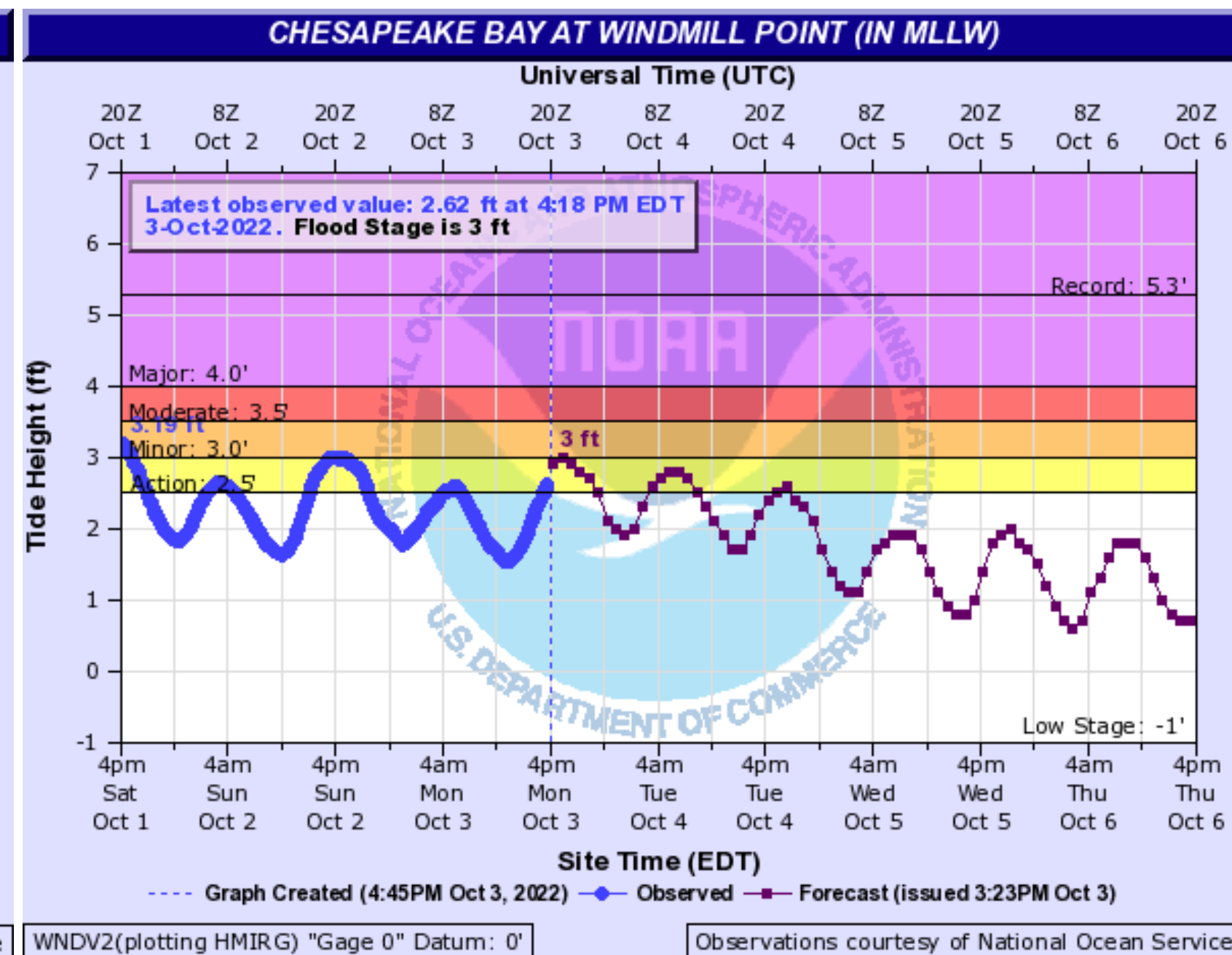
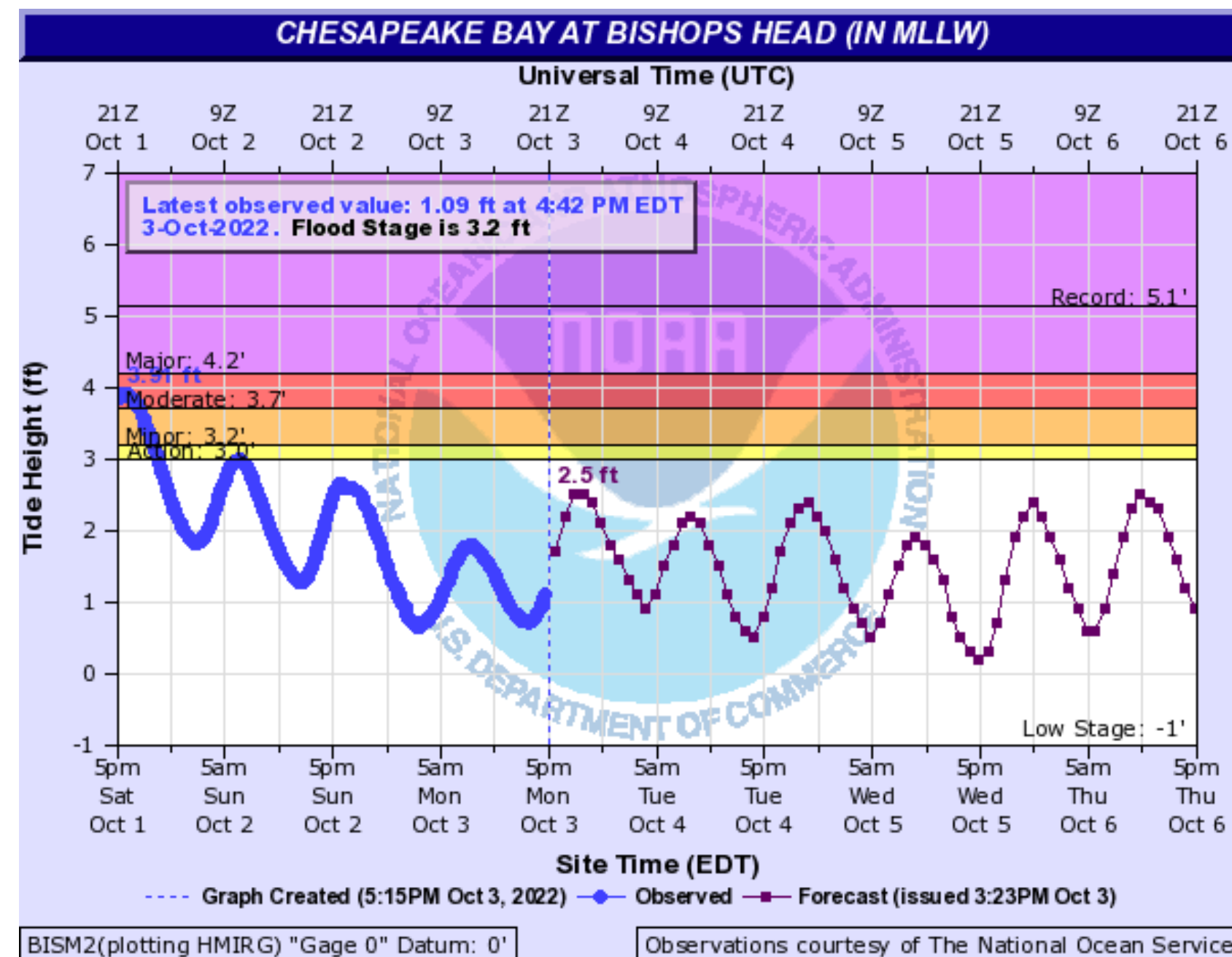
Coastal Flooding Expected



- Winds have shifted slightly to the North-Northwest across the bay and more northerly over the ocean.
- Moderate to major coastal flooding across our region today. Areas near Lynnhaven and Duck, NC have reported Major coastal flooding this afternoon.
- Wave Run-up continues along the southeast VA/NE NC coast, with waves likely reaching and partially overwashing dune structures.
- The highest tide across our area occurred this afternoon, and tide levels should gradually lower through mid week. Minor to Moderate coastal flooding will persist through Tuesday due to persistent northerly winds.



Tidal Flooding – Upper Bay

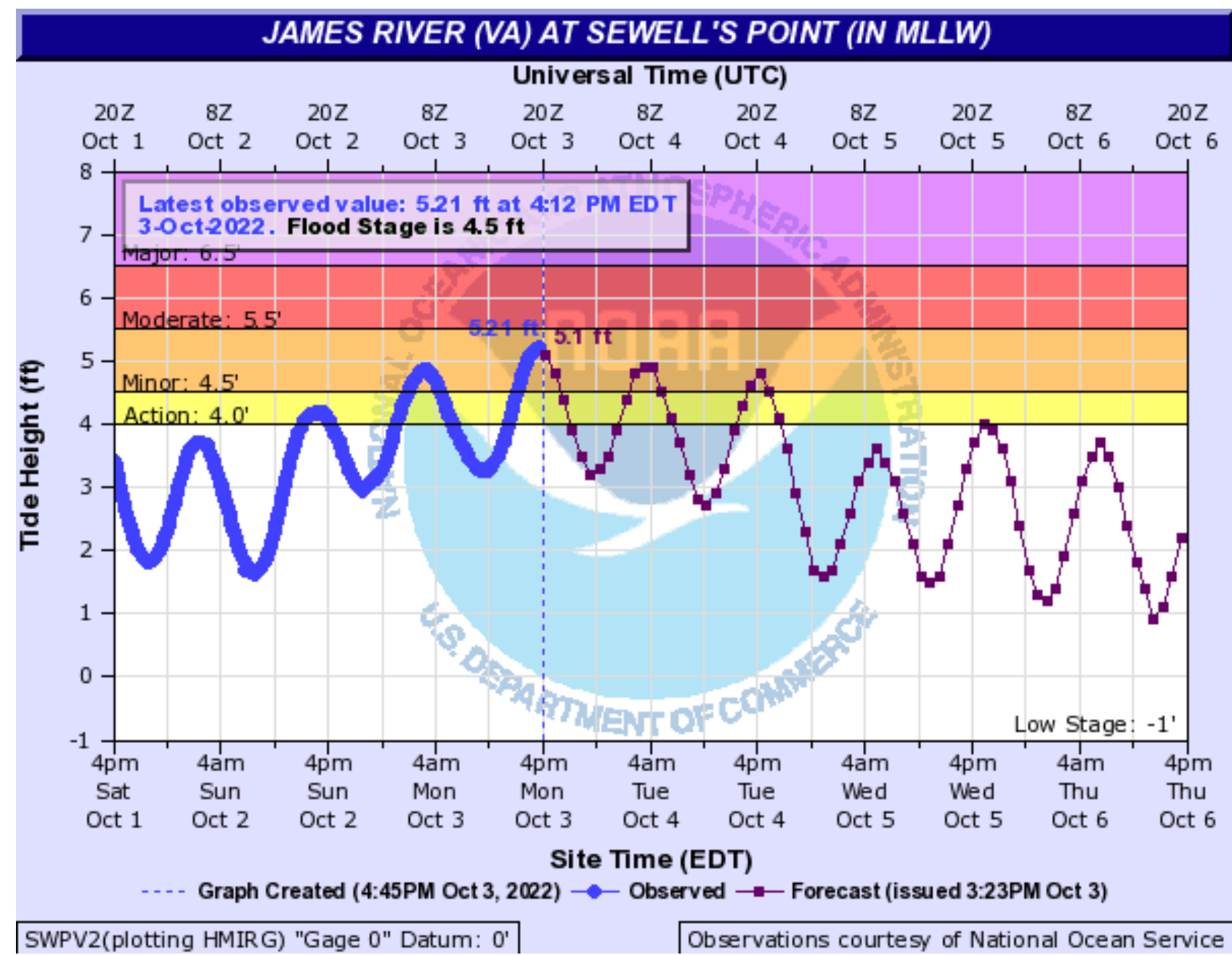
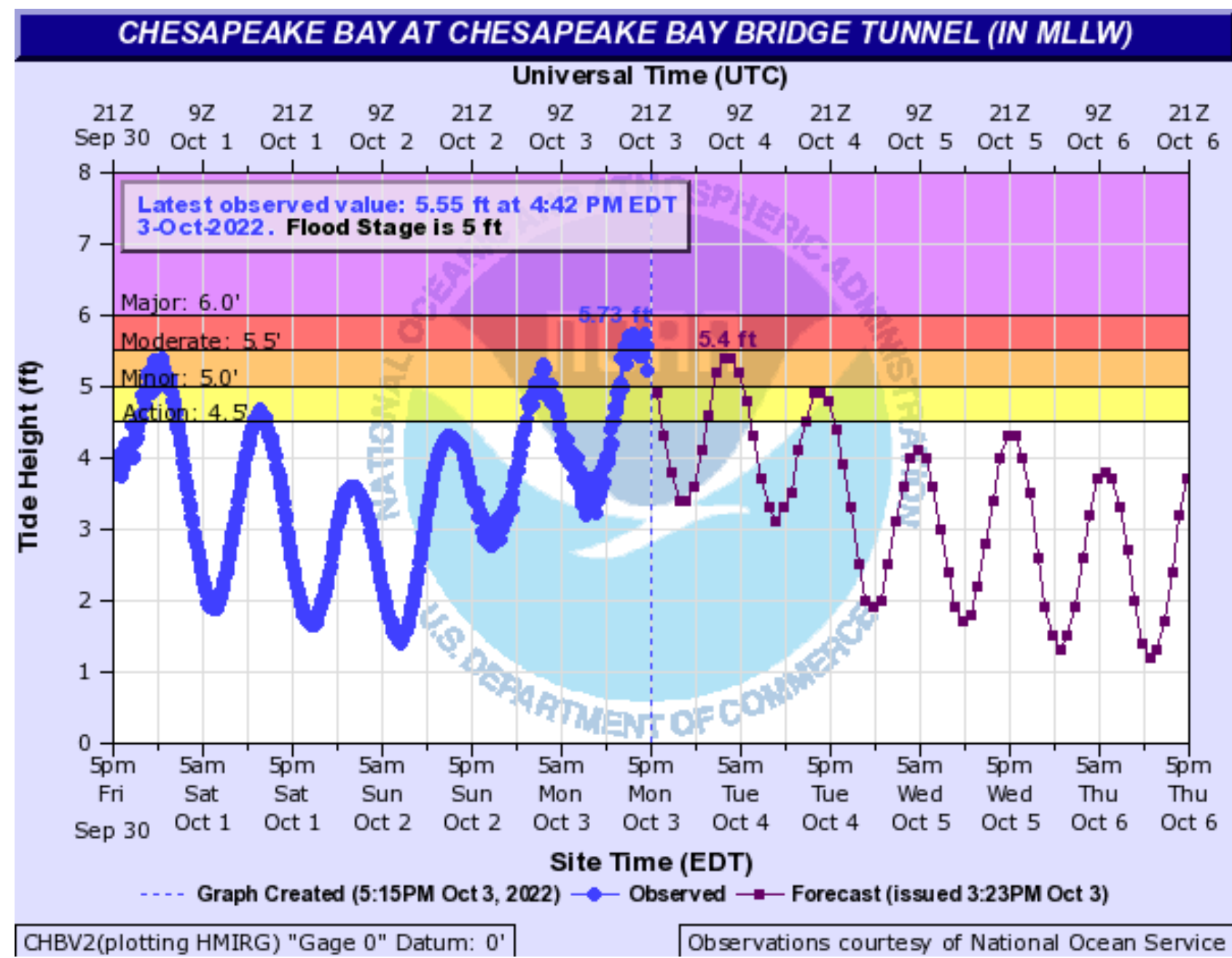
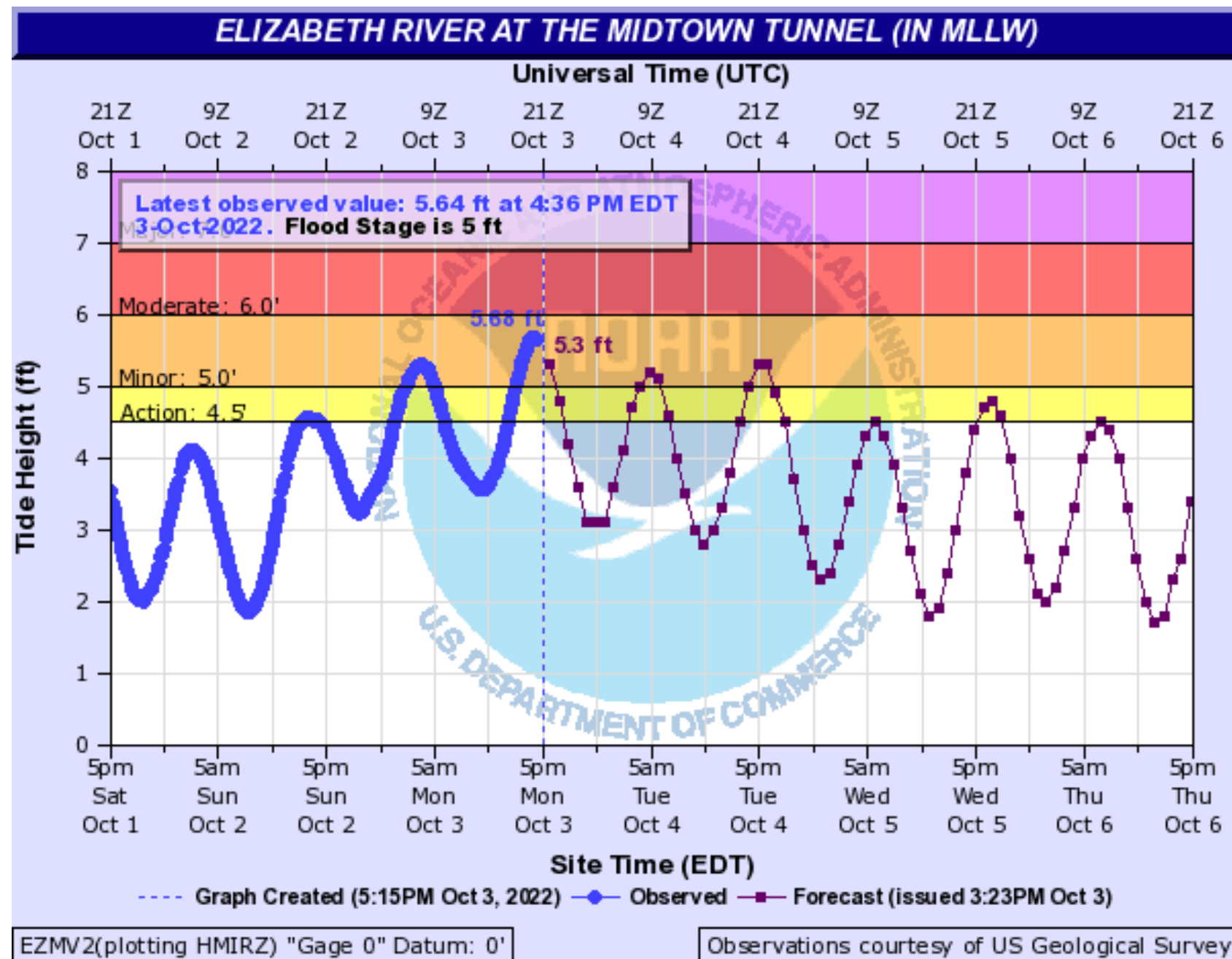


NOTE: All forecasts above reference Mean Lower Low Water (MLLW).

- **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

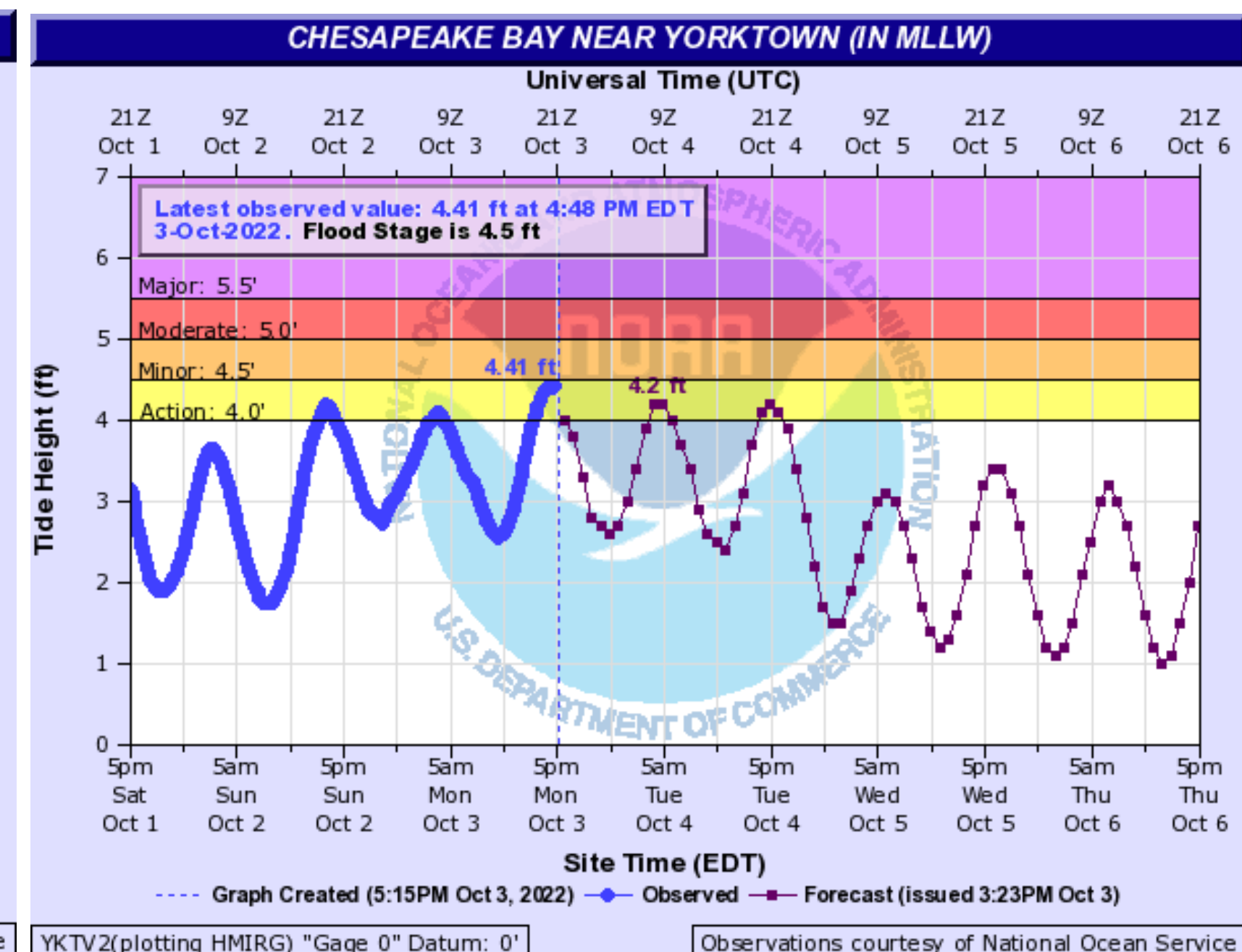
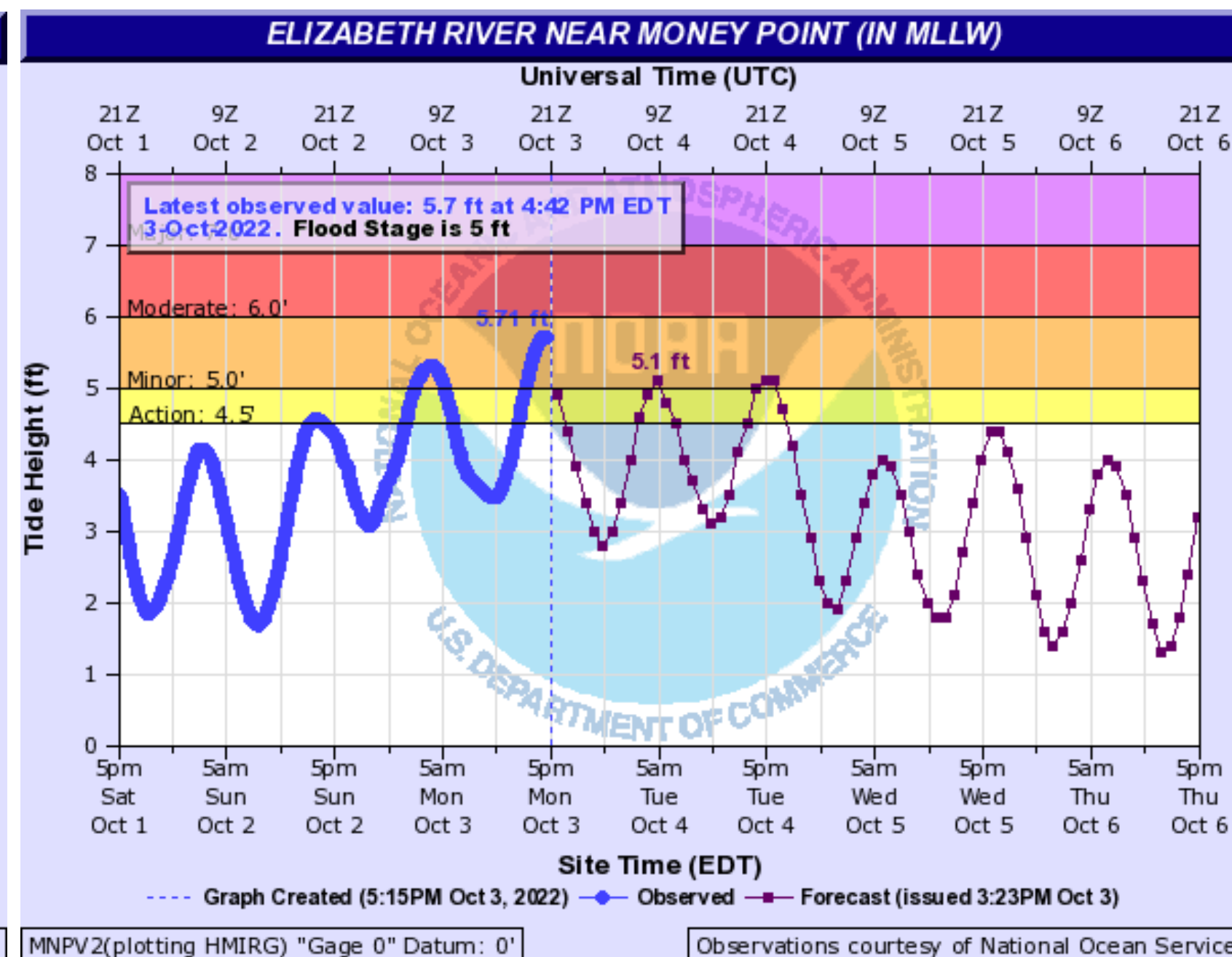
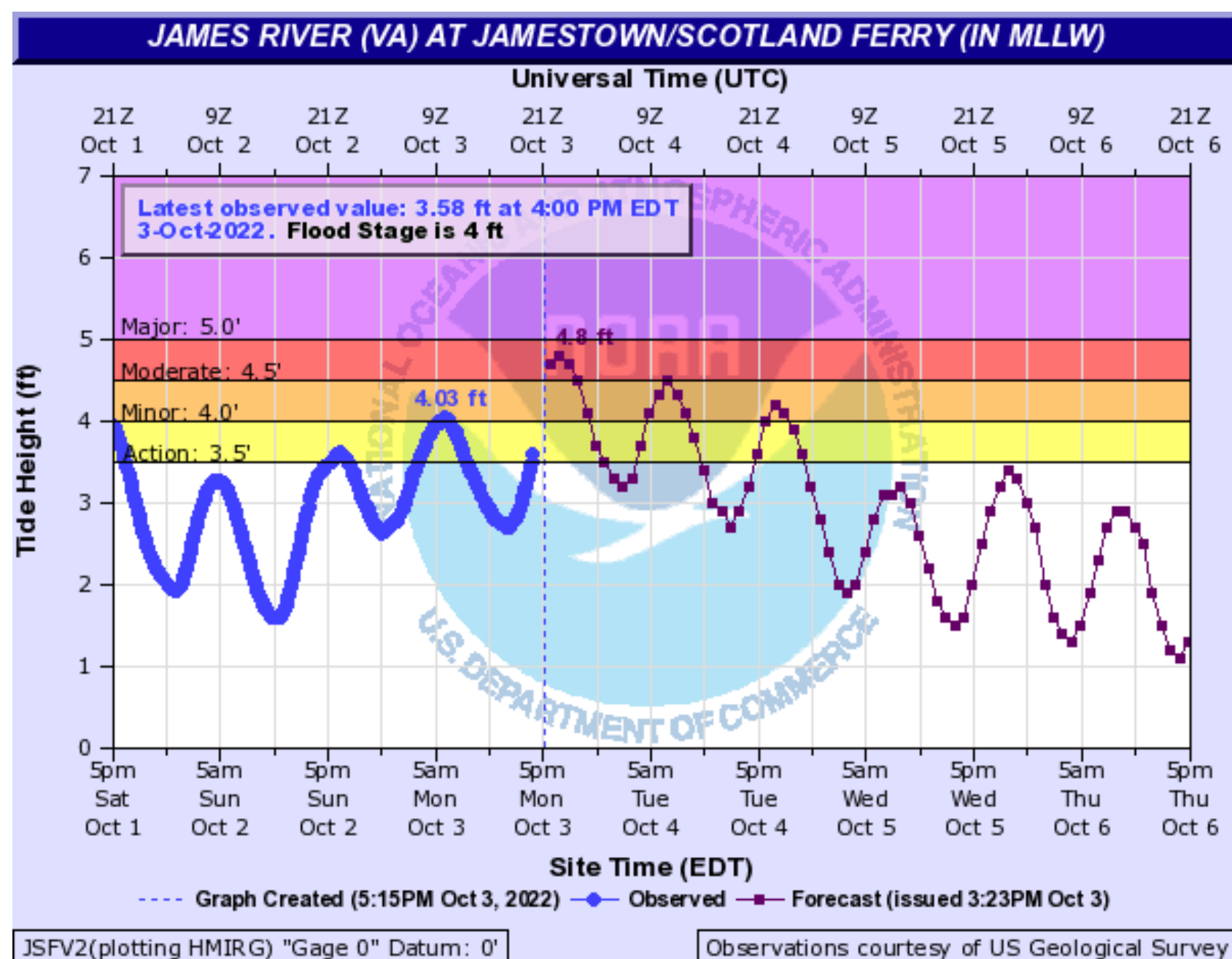


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Tidal Flooding – Lower Bay/James

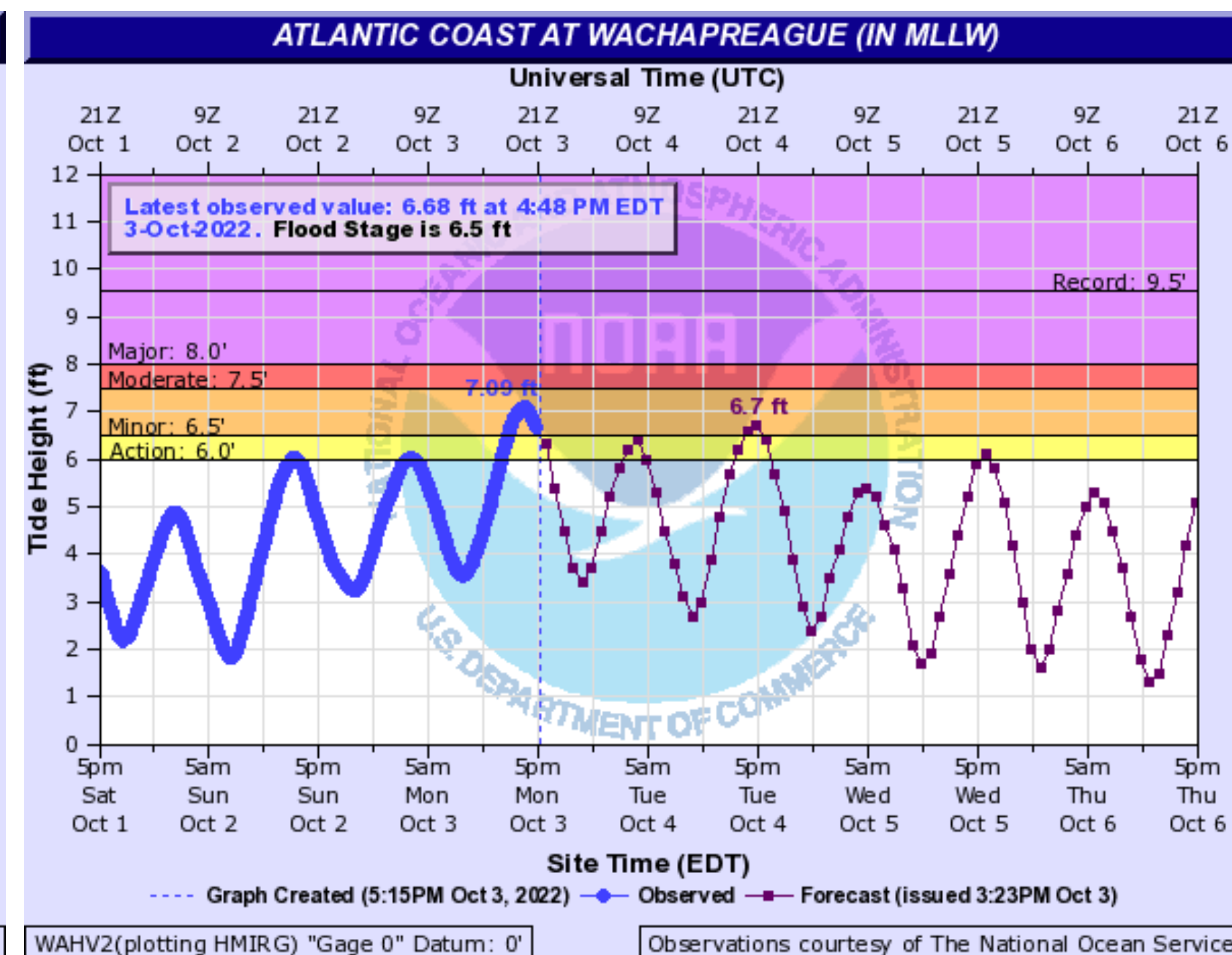
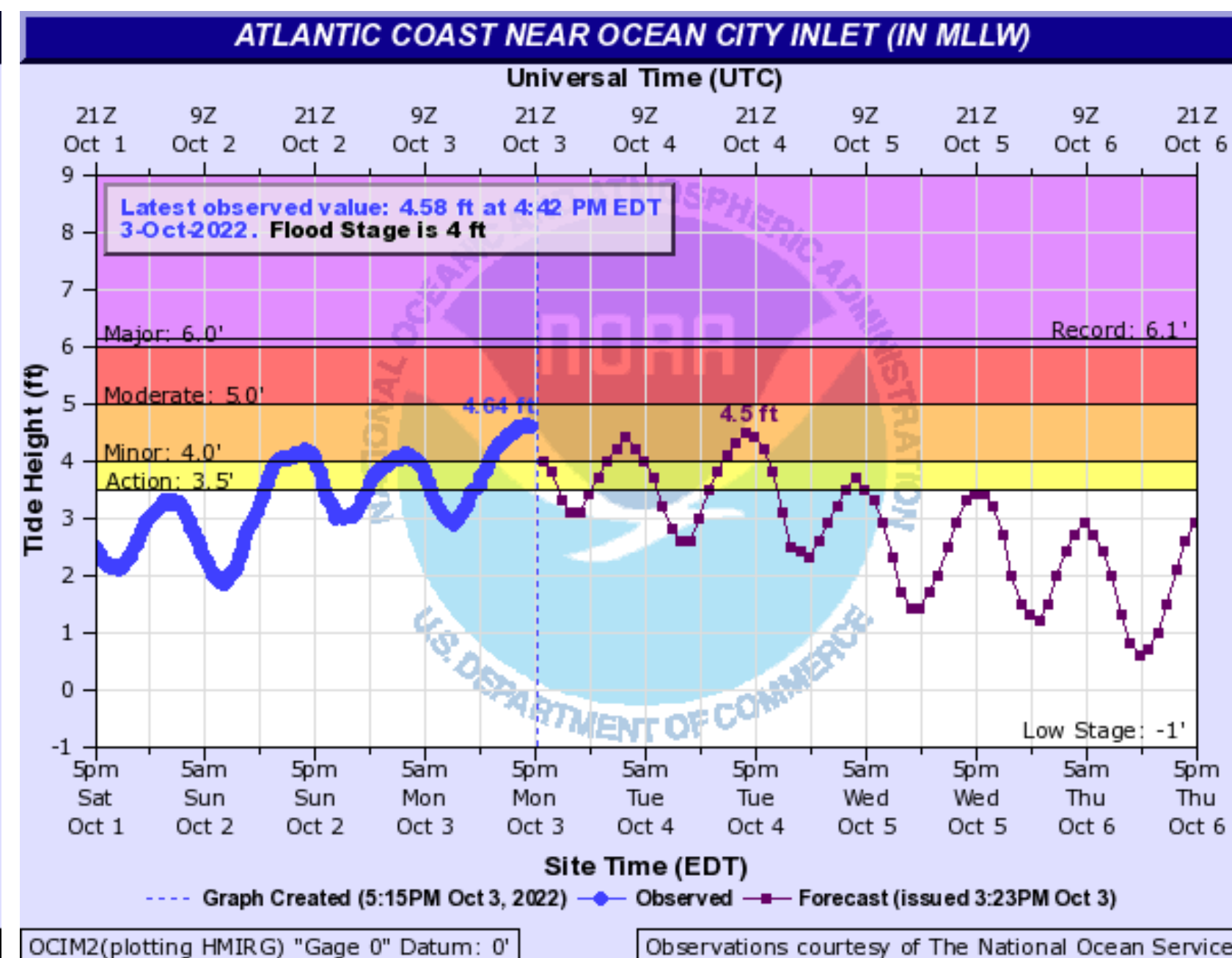
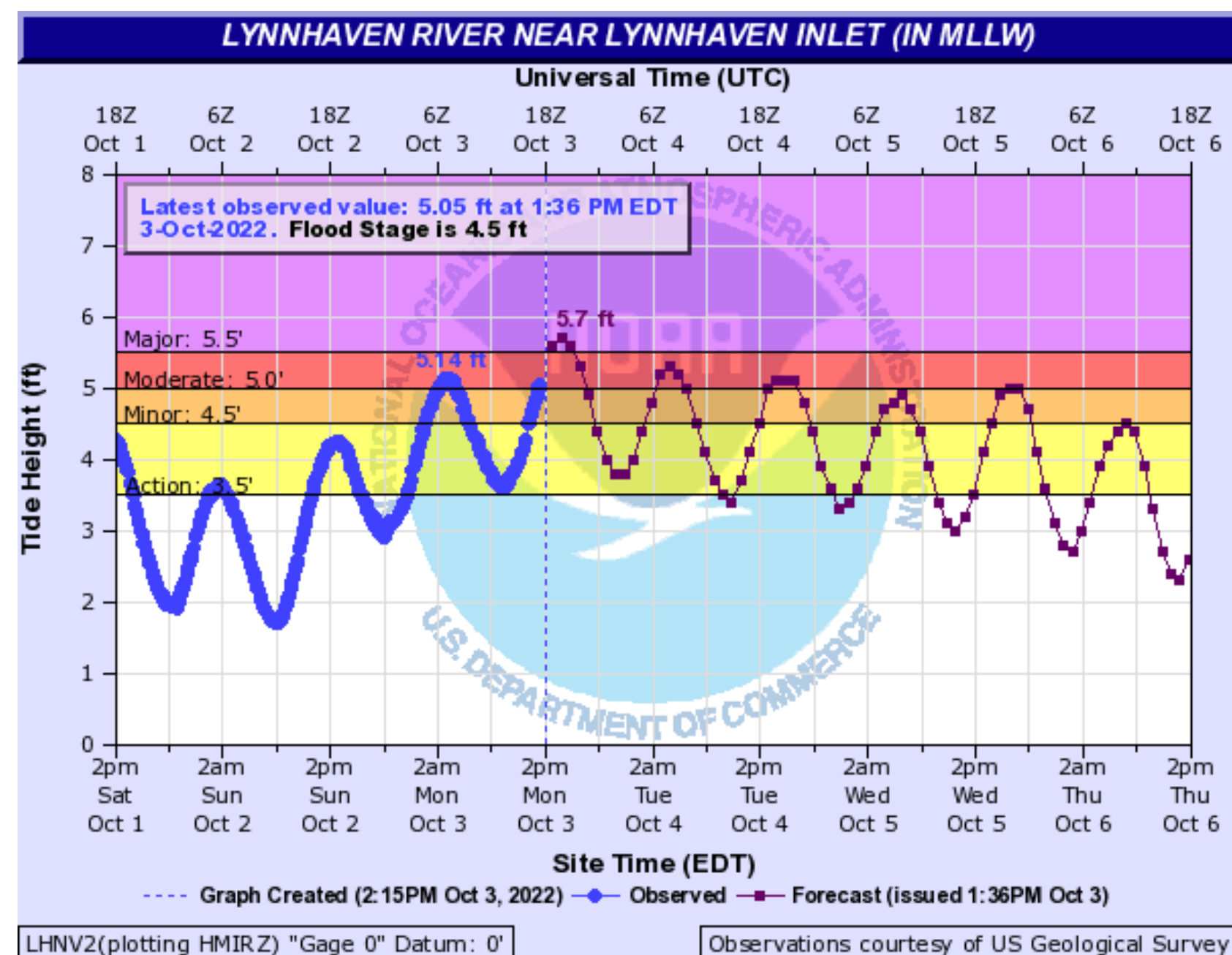


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Tidal Flooding – Lynnhaven Inlet and Ocean



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- **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.



Key Take-Aways


- **Minor to moderate coastal flooding (inundation of 1 to 2 feet above ground level) is expected tonight and early Tuesday. The worst impacts will be along coastal SE VA and northeast NC.**
- **Minor coastal flooding lingers in the lower bay through midweek. Water levels will slowly diminish through midweek. Additional beach erosion is likely over coastal SE VA and NE NC due to waves reaching and overwashing dune structures.**
- **Marine: Gale Warnings in effect through Tuesday (except Small Craft Advisories over upper VA Rivers).**



Next Briefing:

When: By 8 AM EDT Tuesday (10/4)
Method: Email

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

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

 **E-mail:** 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)