

# **Riverine and Tidal Flood Potential Briefing for April 30 – May 1, 2014**

Prepared 400 PM EDT – Tuesday, April 29, 2014

Ray Kruzdlo

NOAA's National Weather Service

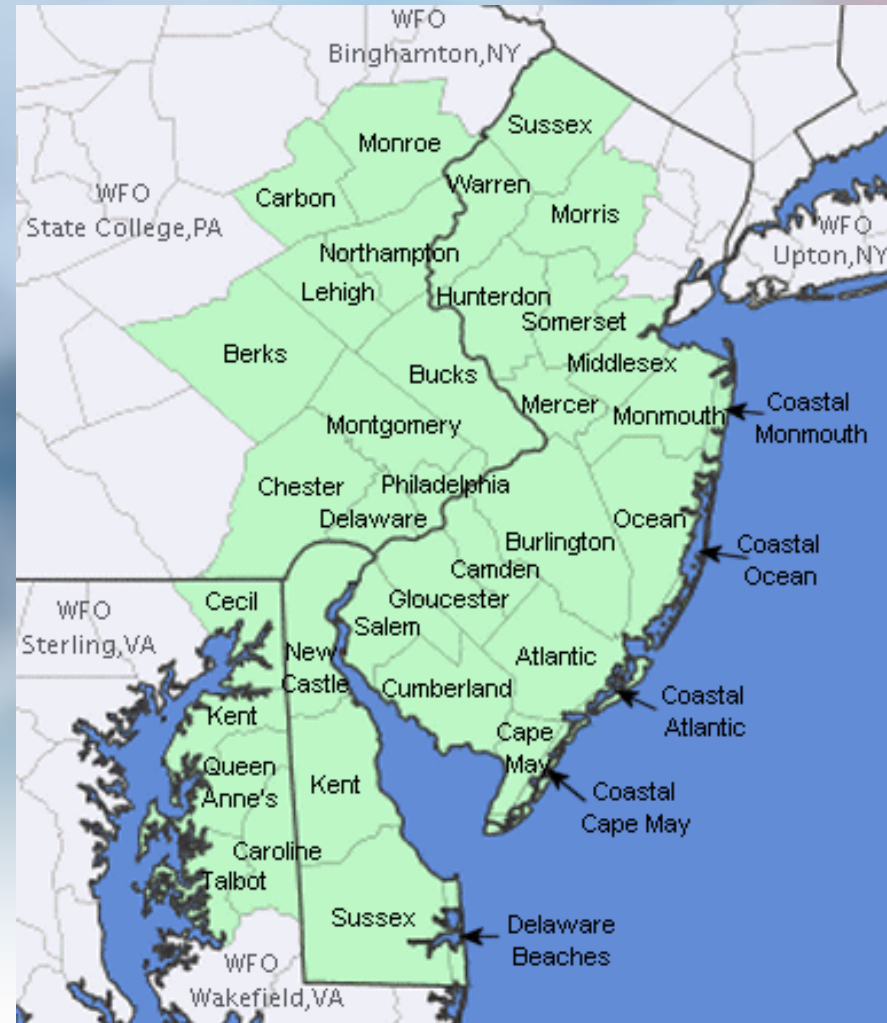
Philadelphia/Mt. Holly NJ Forecast office

[www.weather.gov/phi/](http://www.weather.gov/phi/)



# Purpose of Briefing

- Briefing #2
- Promote situational awareness for emergency management community & partners
- Provide guidance for planning efforts
- Briefing applies to Mount Holly service area – shaded in green on map

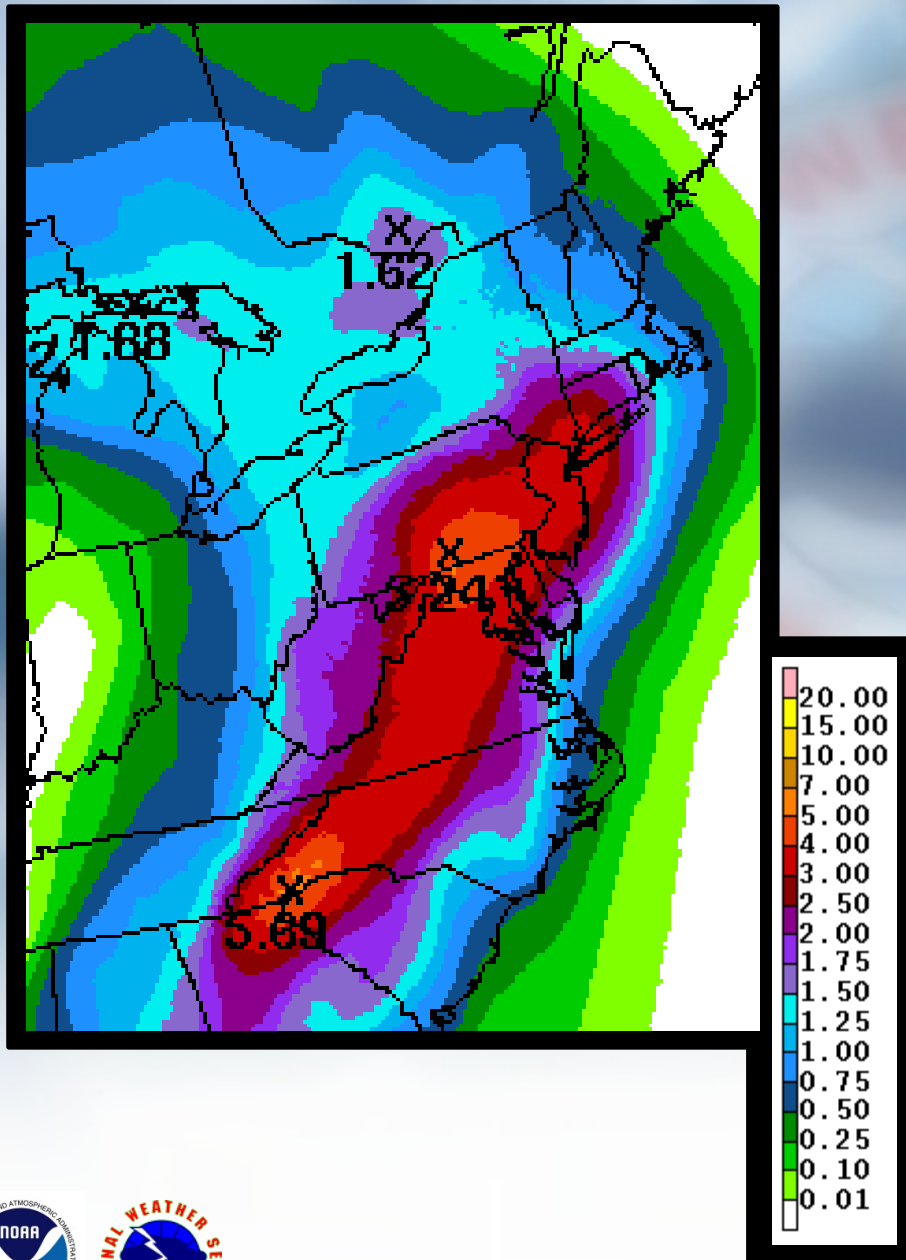


# Executive Summary

- Heaviest rain expected from early Wednesday morning through Wednesday night.
- Current flood potential is based on the current rainfall forecast. If forecasted rainfall amounts or placement changes, location and/or severity of the flooding will also change. Continue to monitor subsequent rainfall forecasts.
- **Based on current rainfall forecasts**, minor flooding is likely along small creeks and streams across eastern PA, central and northern portions of NJ, as well as northern DE. Moderate to major flooding is possible.
- **Based on current rainfall forecasts**, minor flooding is also possible along a few of the larger rivers across the Raritan, Passaic, and Rancocas basins in NJ as well as the Brandywine in PA.
- **Based on current rainfall forecasts**, rises are expected on all mainstem rivers such as the Passaic, Raritan, Delaware, and Schuylkill. Minor flooding is possible along portions of the Raritan and Schuylkill.
- Minor tidal flooding expected Tuesday night and possibly Wednesday night along the ocean front; expected Tuesday night and Wednesday night along the Delaware Bay and Delaware River; expected Thursday morning along the Maryland Eastern Shore.



# Potential Total Rainfall From Tuesday Through Thursday Morning



- 2 to 5 inches across the entire region
- No change from yesterday's briefing

# Timing of Rainfall and Highest Amounts

- Rain will increase in coverage Tuesday night and persist through early Thursday.
- Heaviest rain expected to fall from early Wednesday morning through late Wednesday night.



# Timing of Potential Flooding

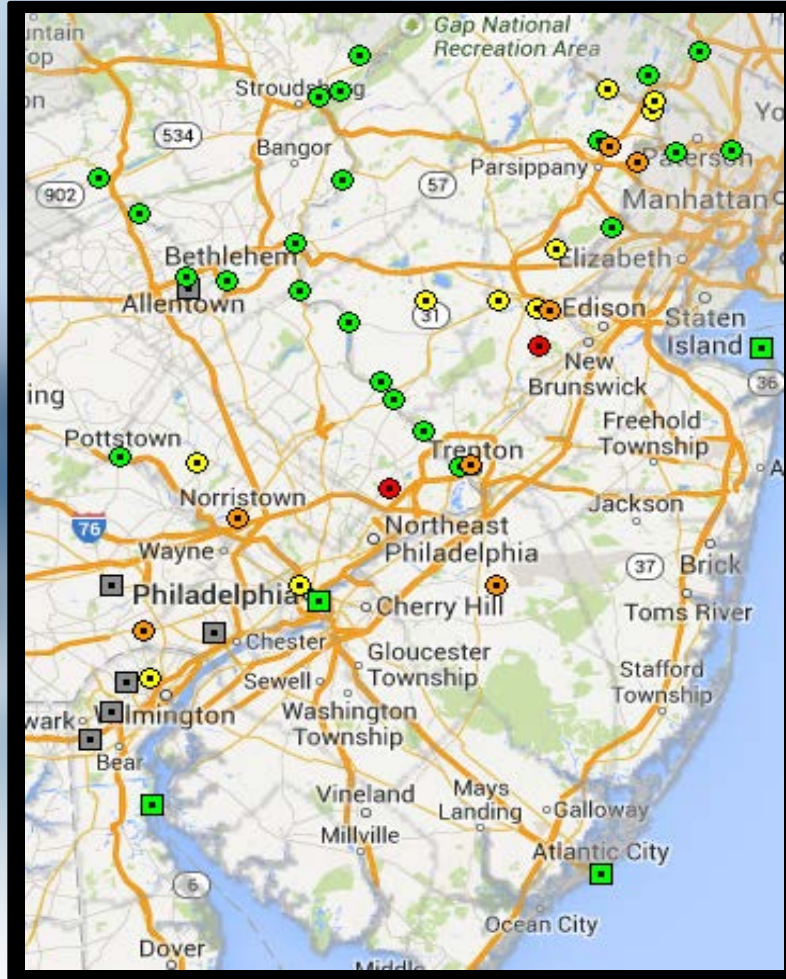
- Small creeks and streams – Late Tuesday night through early Thursday
- Larger streams and rivers – Wednesday night into Thursday
- Mainstem rivers – Thursday into Saturday

<http://water.weather.gov/ahps2/index.php?wfo=phi>



# Official MARFC River Forecast on AHPS

## Forecast Tab



Forecast issued on Tuesday morning.

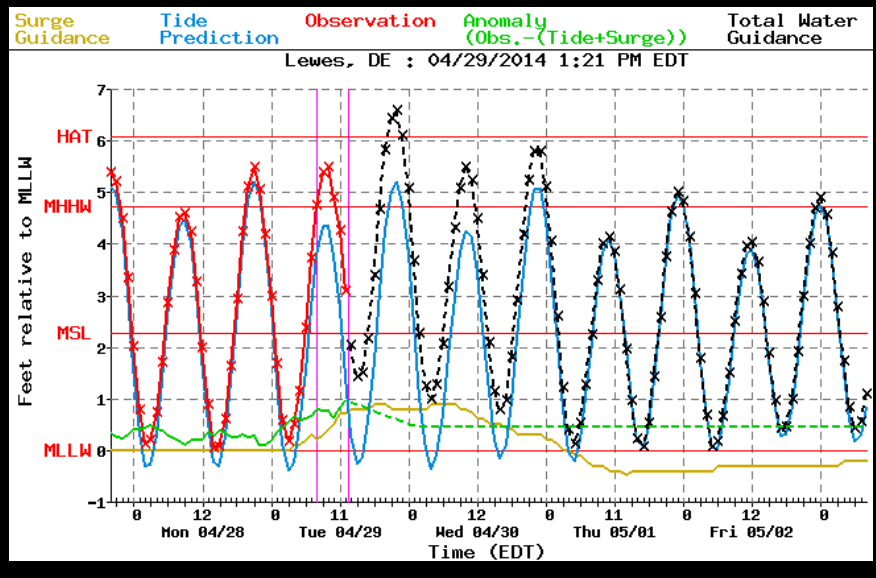
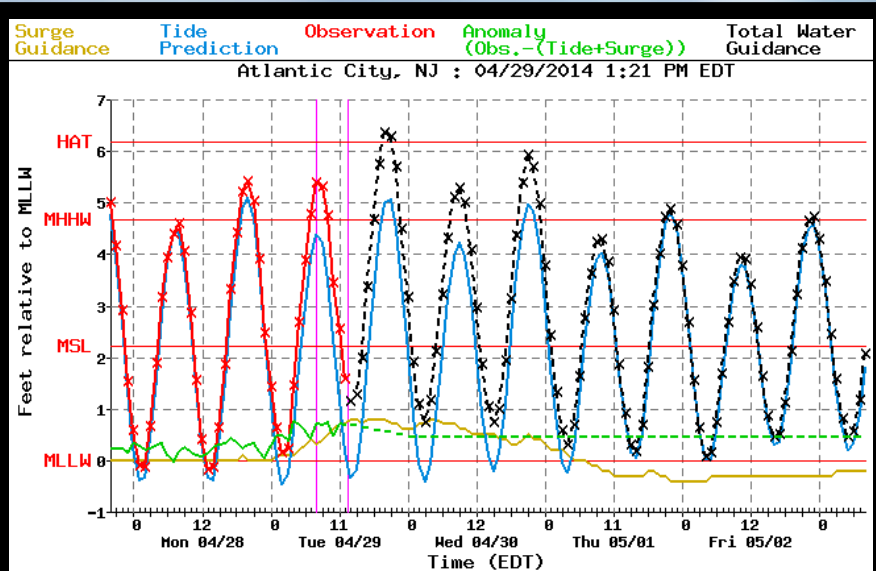
- Forecasts on AHPS are frequently updated and need to be monitored continuously before and during a heavy rain event.
- Near Flood Stage (Action)
- Flood Stage
- Moderate Flooding

MARFC = Middle Atlantic River Forecast Center



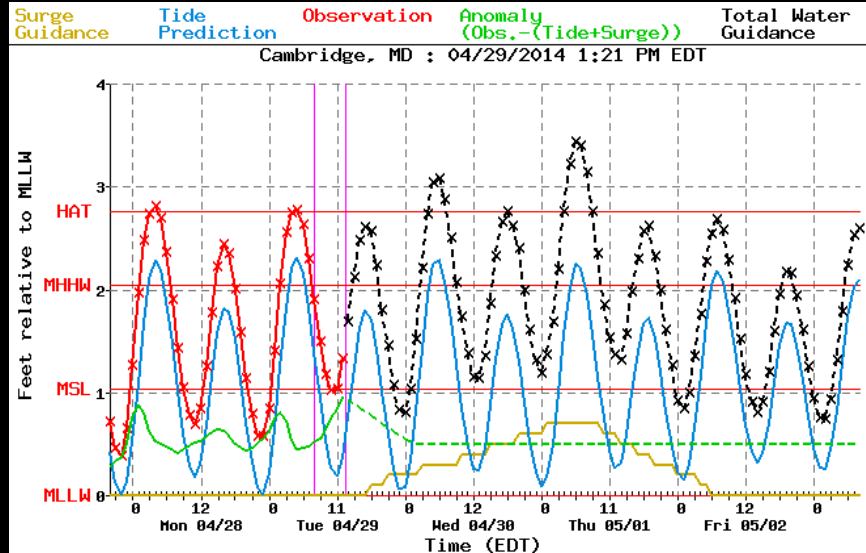
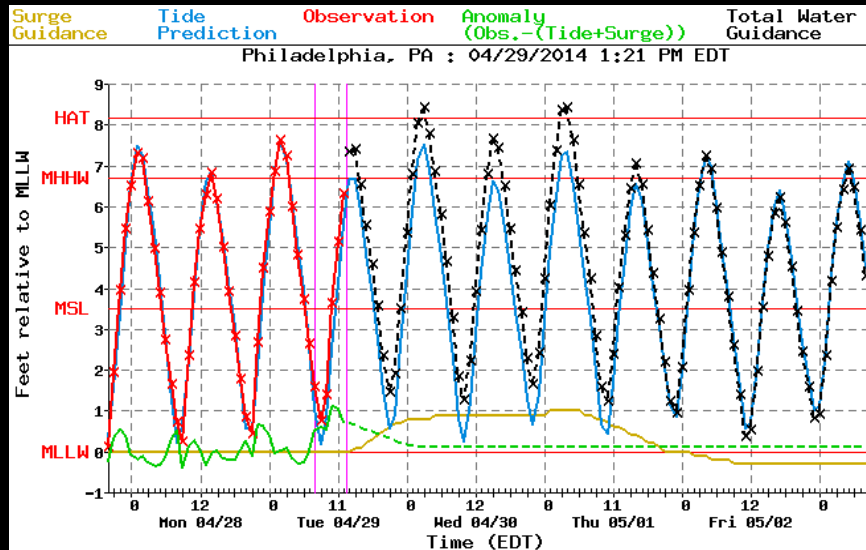
# Tidal Flooding

- Minor tidal flooding is likely along the ocean front Tuesday night and possible on Wednesday night.
- Graphs to the left are for Atlantic City, NJ and Lewes, DE





# Tidal Flooding



- Minor tidal flooding is likely along the Delaware Bay and Delaware River Tuesday night and again on Wednesday night.
- Minor tidal flooding is possible along the Chesapeake Thursday morning
- Graphs to the left are for Philadelphia, PA and Cambridge, MD

# Questions?

- For the latest information, visit our website at:
  - [www.weather.gov/phi](http://www.weather.gov/phi)
- Our latest briefing package is available from our website at:
  - [http://www.erh.noaa.gov/phi/briefing/packages/current\\_briefing.pdf](http://www.erh.noaa.gov/phi/briefing/packages/current_briefing.pdf)
- If you wish to be notified when a briefing package is issued, you can follow us on social media where we post the notice.
- You can ‘friend’ us on Facebook at: US National Weather Service Philadelphia/Mount Holly
- You can follow us on Twitter @NWS\_MountHolly
- The next briefing will be issued by 4:00 pm on Tuesday the 29th
- If you have any questions, please contact us.
- [Gary.Szatkowski@noaa.gov](mailto:Gary.Szatkowski@noaa.gov)
  - Office 609-261-6602 x222
- [Raymond.Kruzdlo@noaa.gov](mailto:Raymond.Kruzdlo@noaa.gov)
  - Office 609-261-6605 x234
- This will be the last briefing package. Rainfall and river forecasts, before and during the event, will be updated every three to six hours around the clock.

