



# Mid-Atlantic Winter/Spring Flood Outlook & Review

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# Agenda

Current Conditions

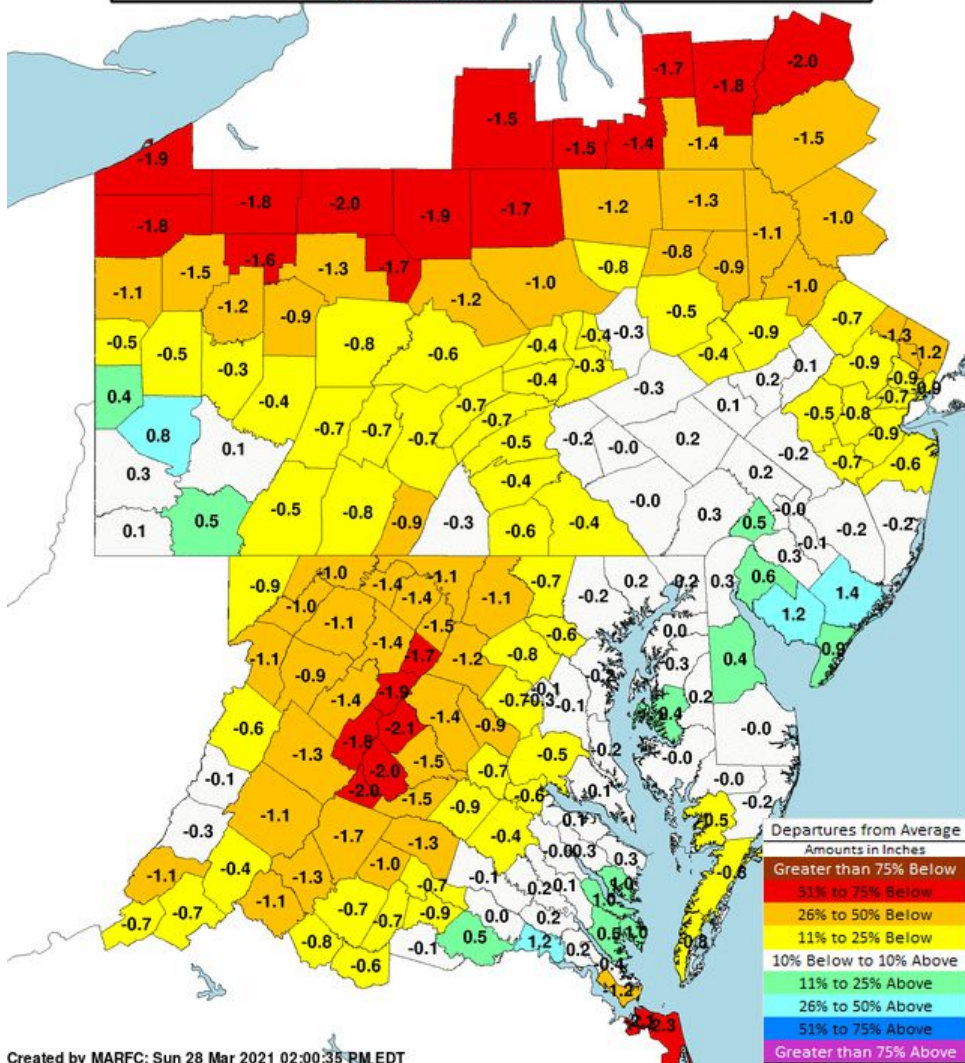
What's Happened

Flood Climatology

### 30 Day Departures From Average

2/26/2021 through 3/27/2021

For General Information Only

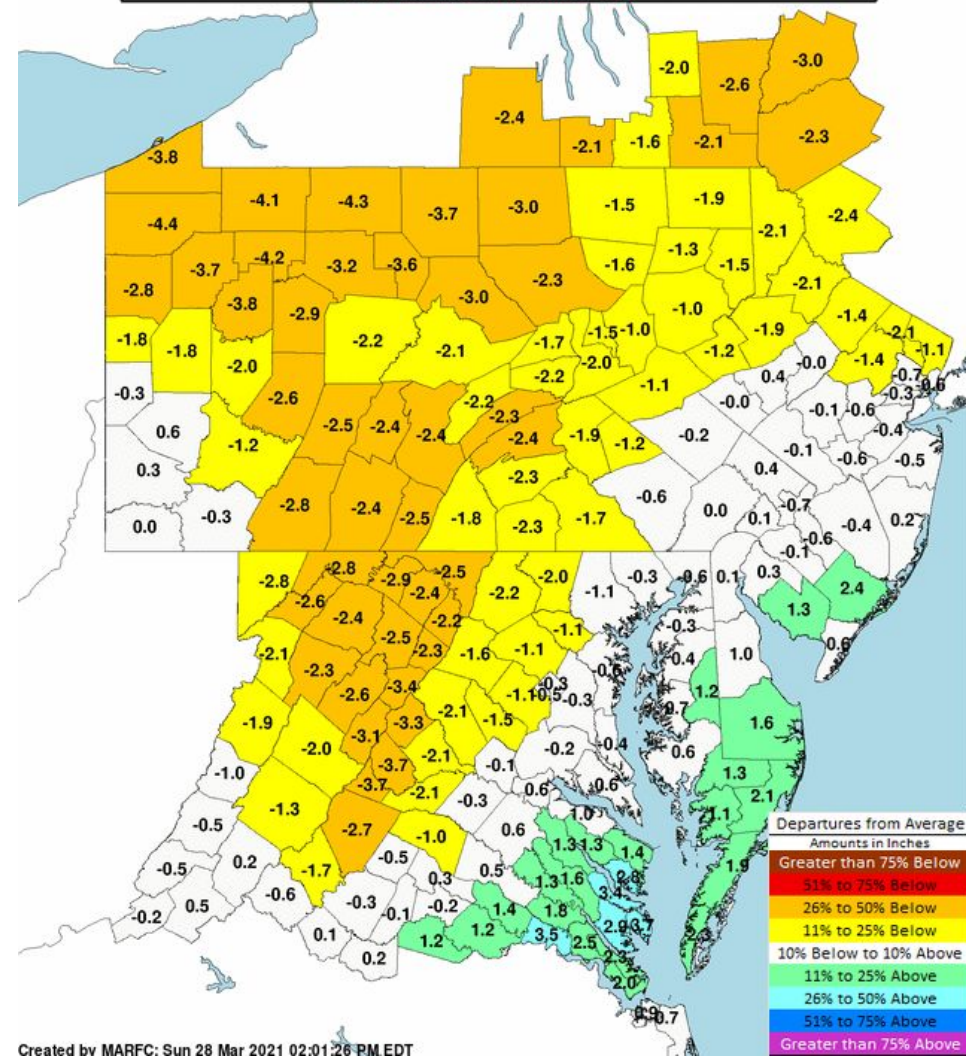


Created by MARFC: Sun 28 Mar 2021 02:00:35 PM EDT

### 90 Day Departures From Average

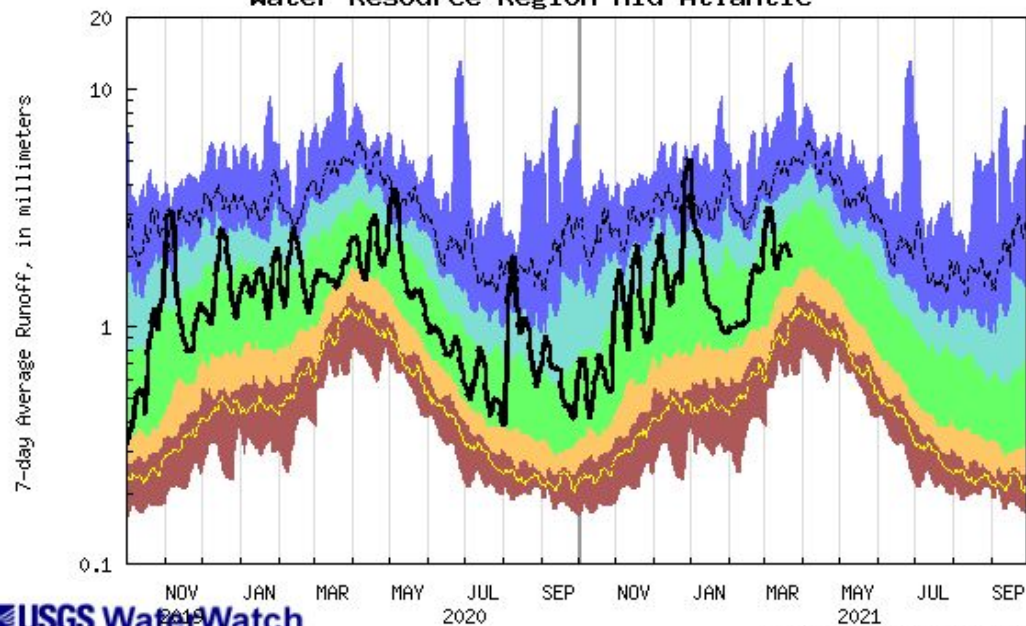
12/28/2020 through 3/27/2021

For General Information Only



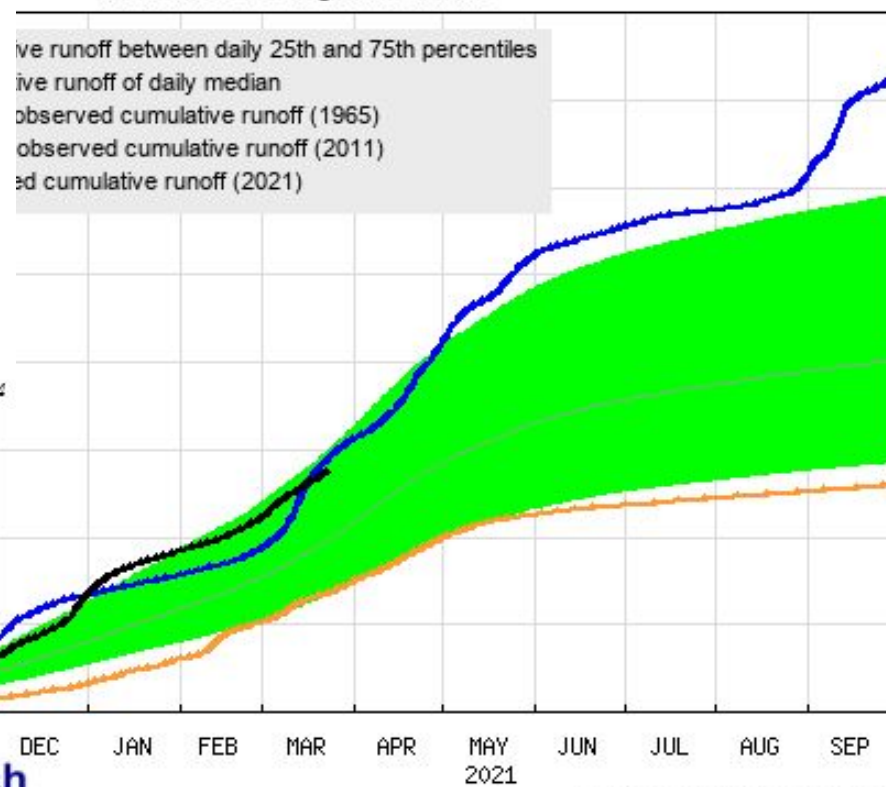
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Duration hydrograph of 7-day average runoff for Water Resource Region Mid Atlantic



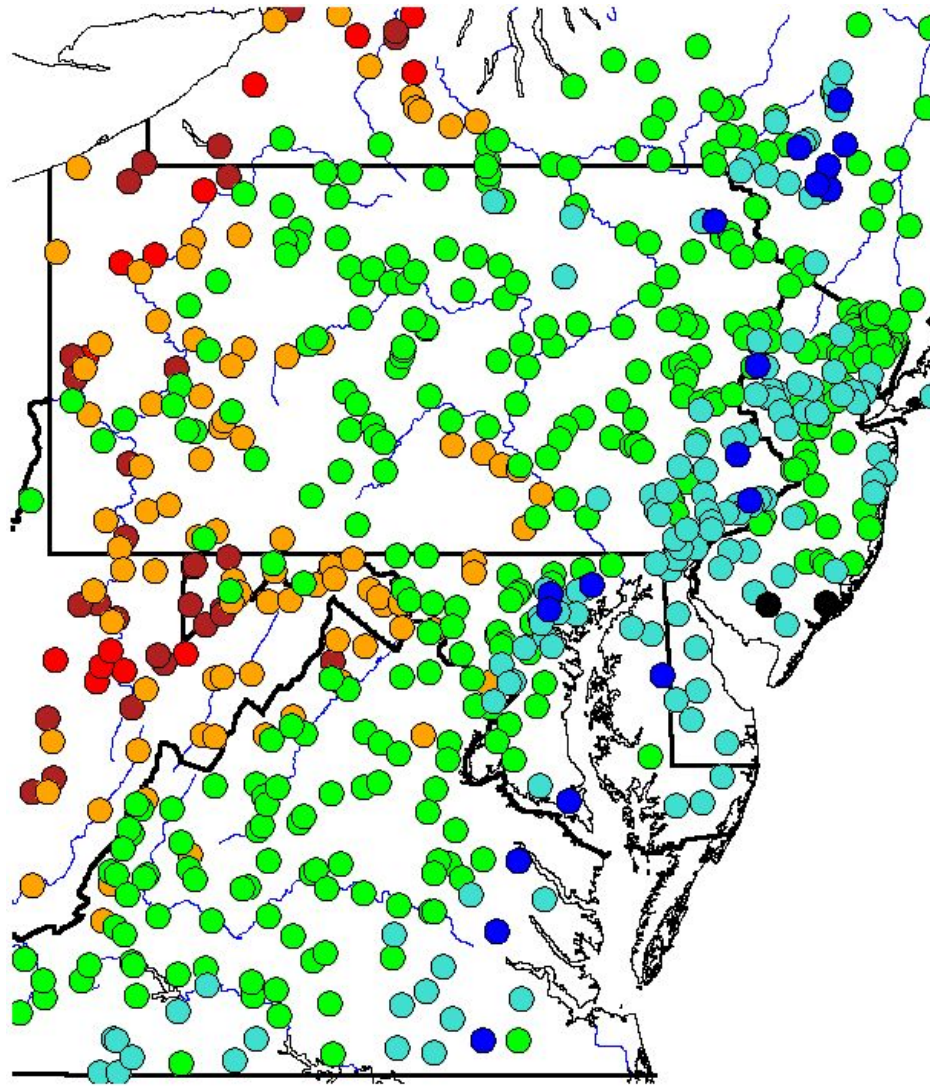
USGS WaterWatch

Hydrograph of cumulative 7-day average runoff for Water Resource Region Mid Atlantic



USGS WaterWatch

Last updated: 2021-03-24



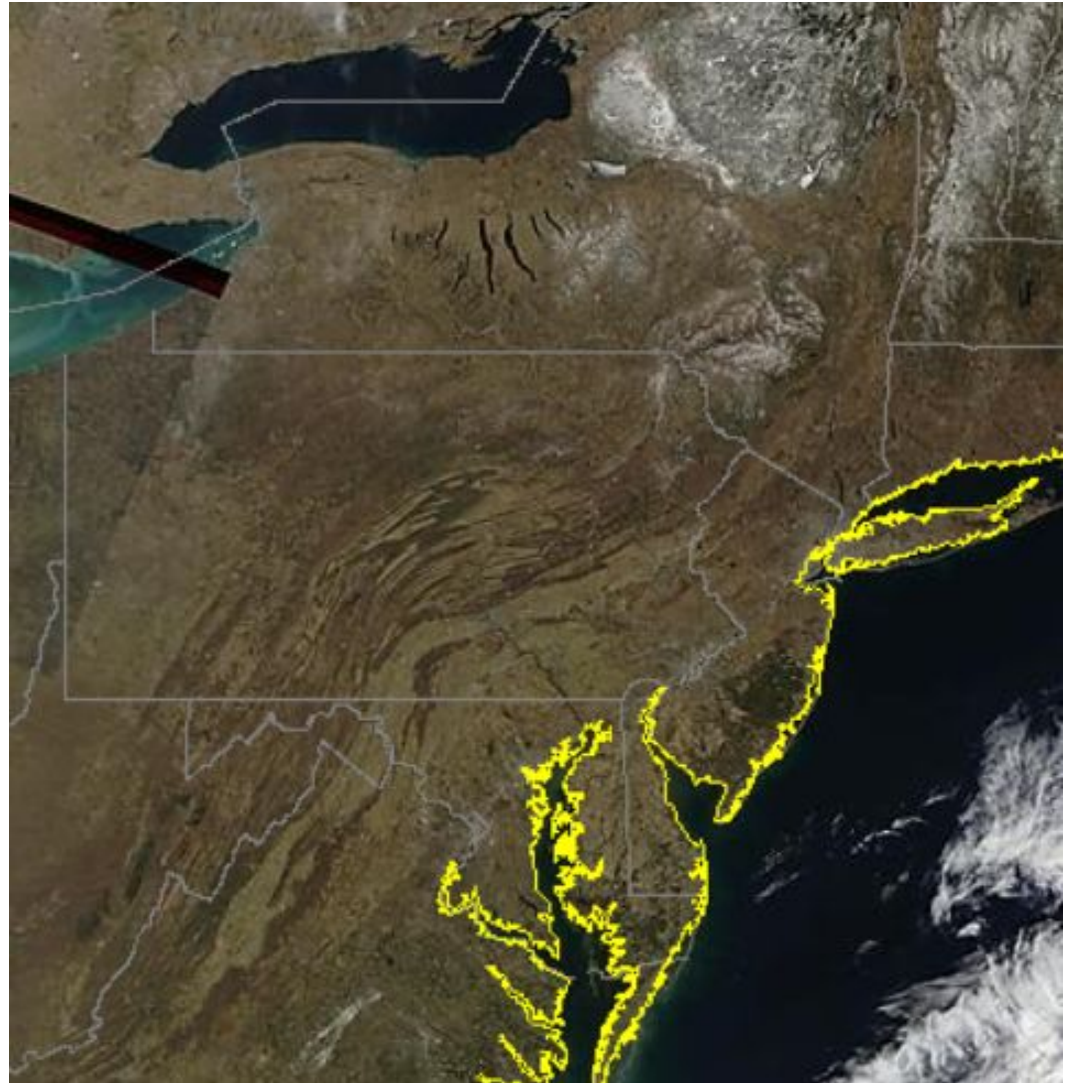
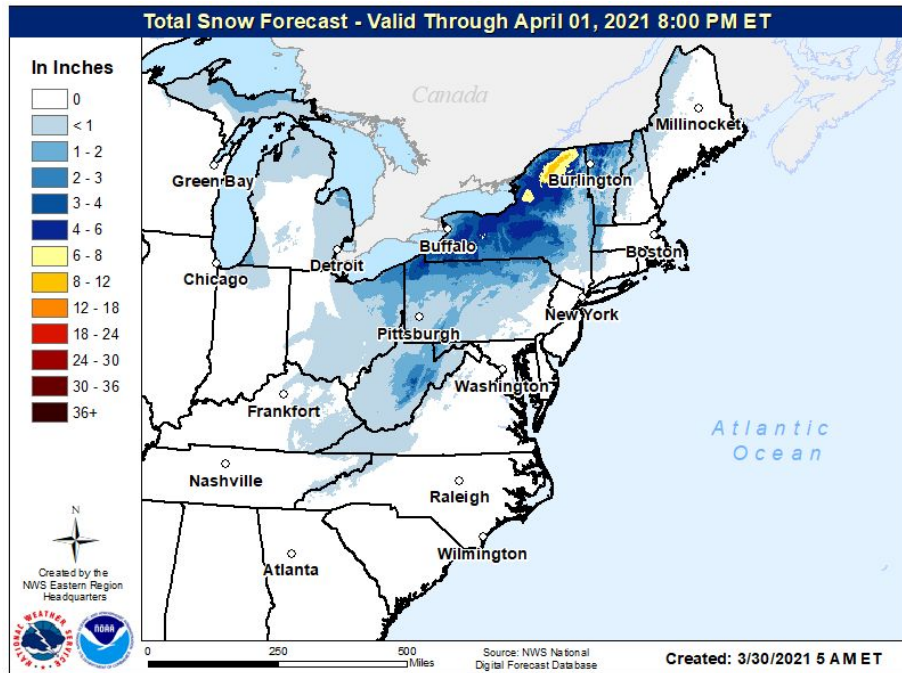
## USGS Streamflow 7 Day Average

March 29, 2021

- High
- > 90th percentile
- 76-90th percentile
- 25-75th percentile
- 10-24th percentile
- < 10th percentile
- Low

Produced by  
NWS Middle Atlantic River Forecast Center  
based on data from  
United States Geological Survey

# Satellite Imagery from March 22



## Bottom Line

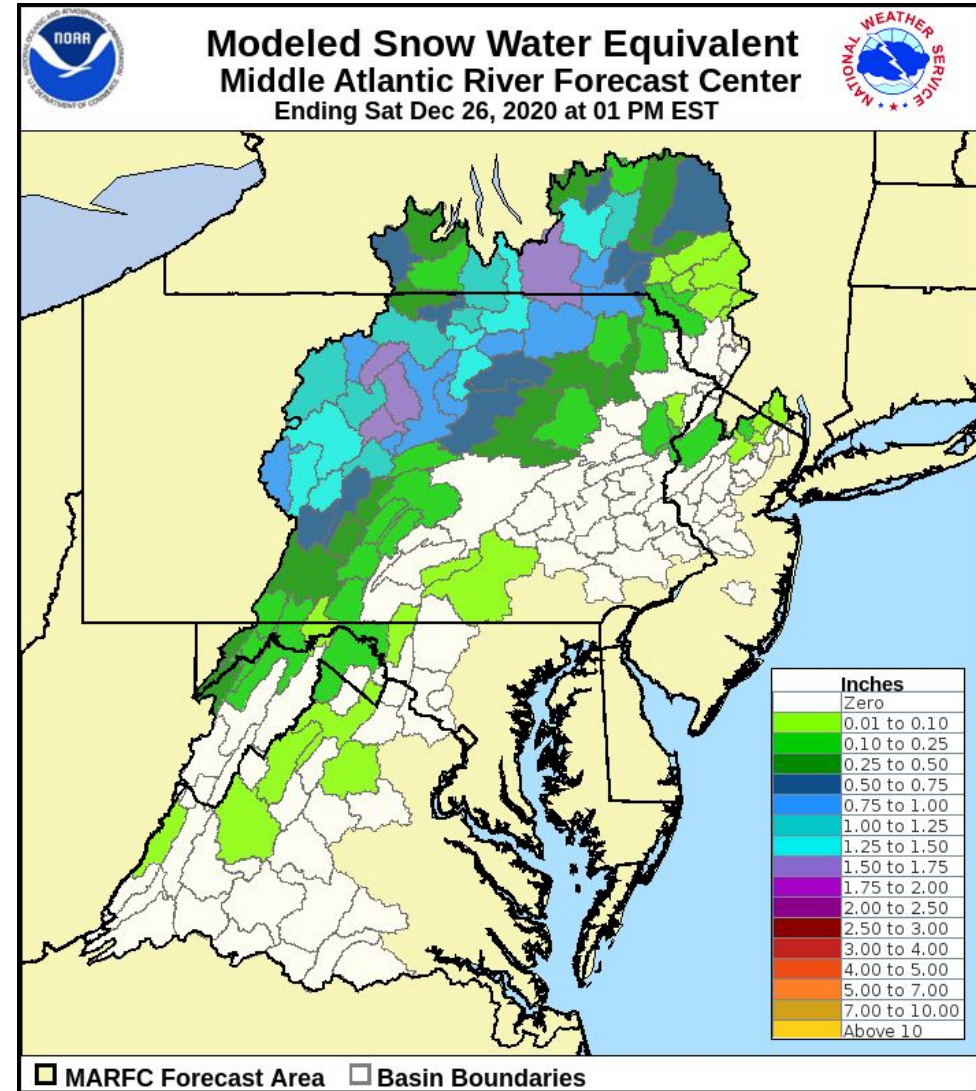
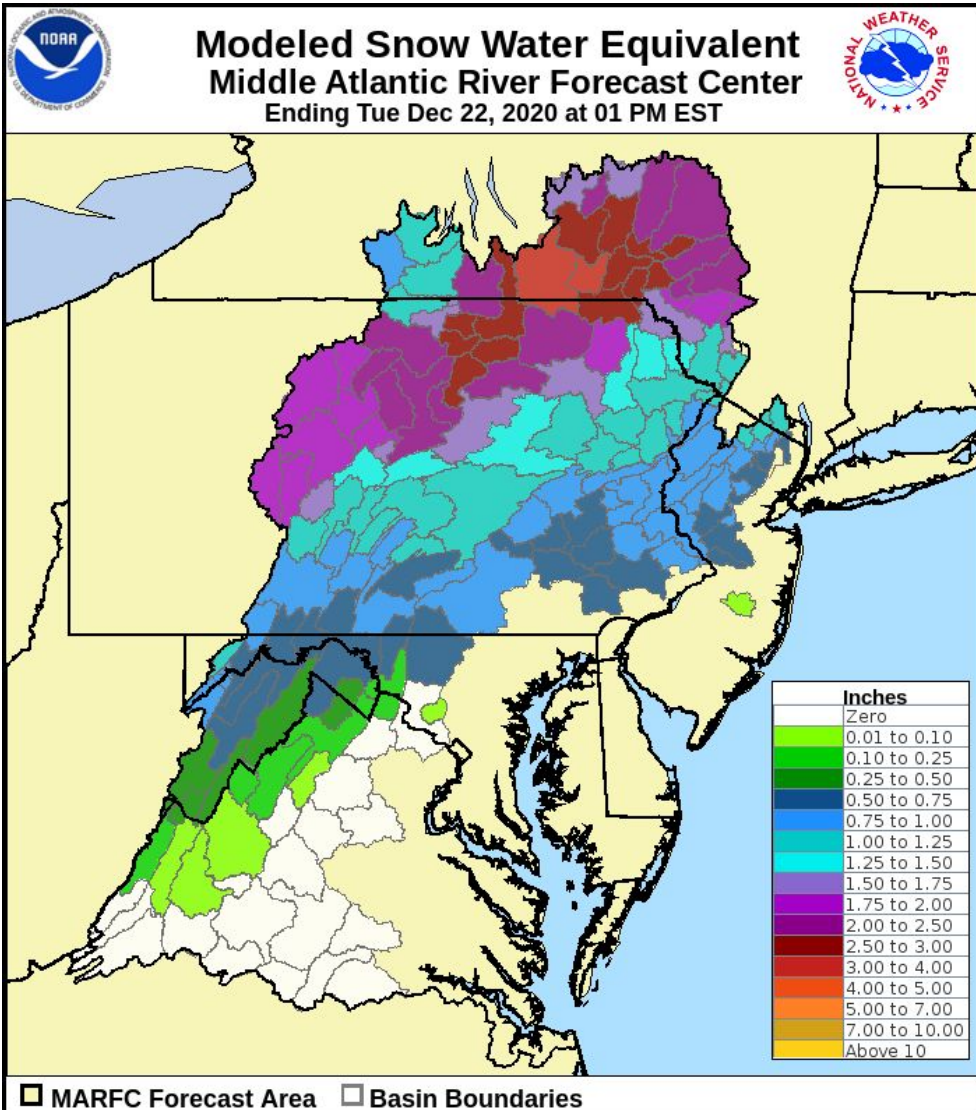
Spring Snowmelt Flooding is not a concern in the Mid-Atlantic

Chance of some snow this week and some 1+ inch rains mainly in Virginia

No immediate concerns but some small stream rises later this week

**A Look Back ... December 2020**



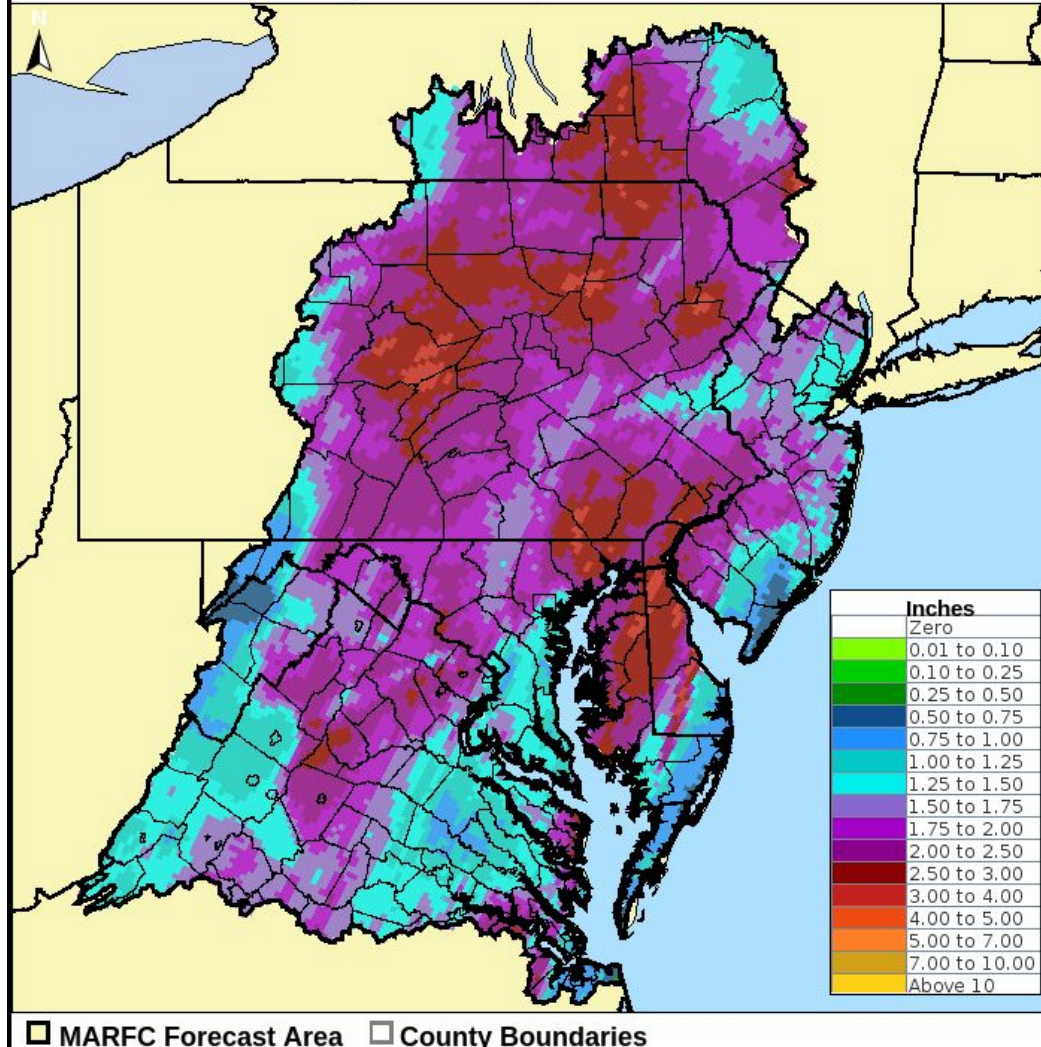


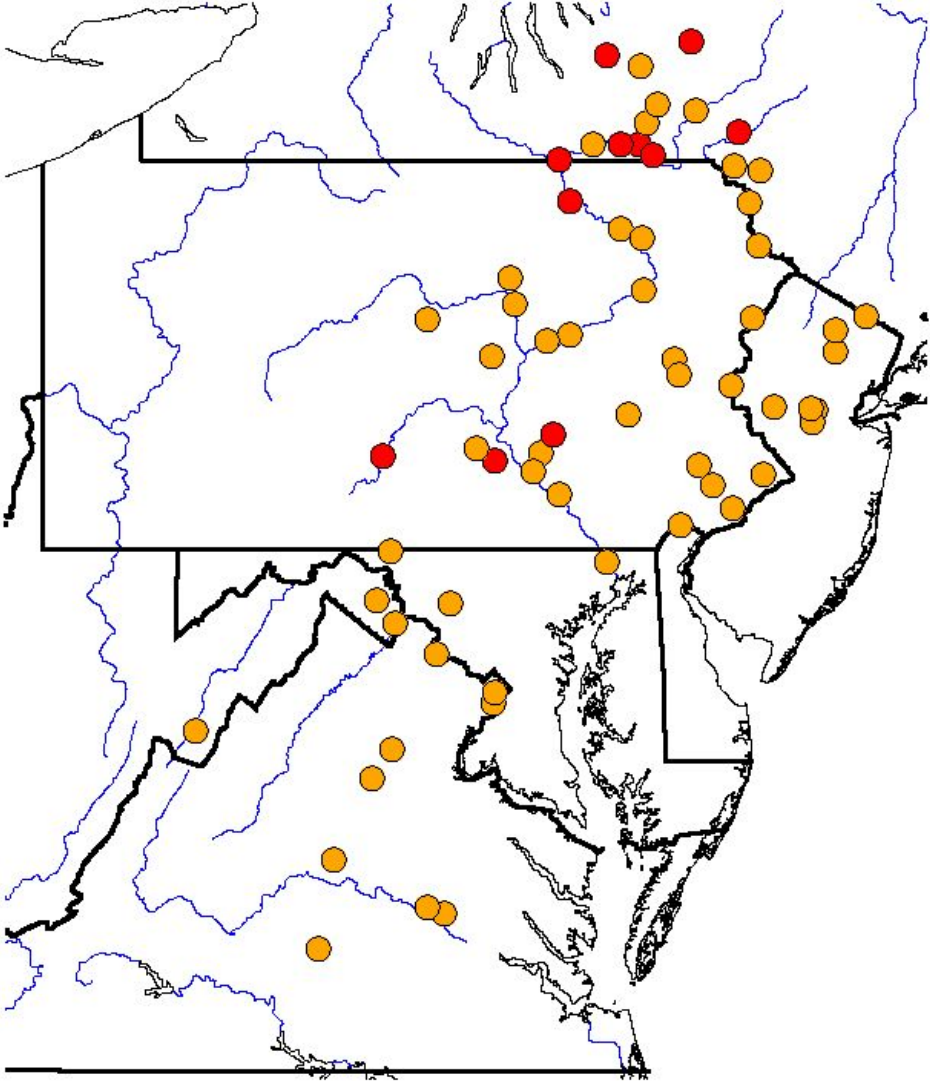


# 72 hr Estimated Precipitation

## Middle Atlantic River Forecast Center

Ending on Fri Dec 25, 2020 at 11 AM EST





**Mid-Atlantic  
Flooding  
from 2020-12-22  
to 2020-12-28**

- Minor Flood
- Moderate Flood
- Major Flood

# Mid-Atlantic Flood Climatology

# Flood Climatology Information

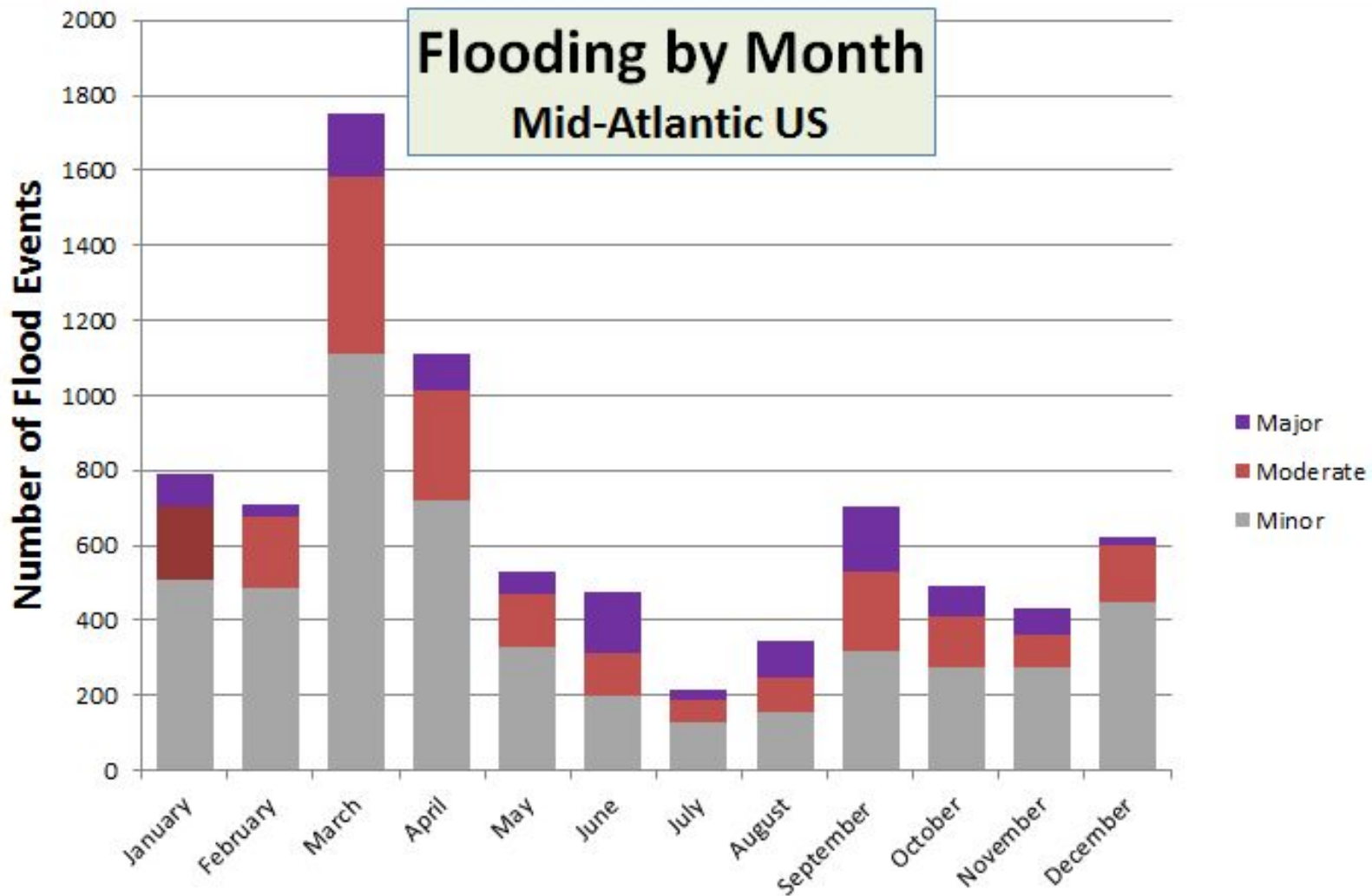
[Weather.gov](#) > [Middle Atlantic RFC](#) > Flood Climatology Information

**Middle Atlantic RFC**  
River Forecast Center

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- [Flood Event List](#)
- [Flood Frequency](#)
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- [Height above Flood Stage Occurrences by one foot intervals](#)
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# Flooding by Month Mid-Atlantic US



# A Few Notes about Mid-Atlantic Flooding

- Very rare to get snowmelt-only flood
- Generally rain-on-snow with 1-2 inches of rain and high temps of 50+
  - Strong winds help result in more rapid snowmelt
- Nice orderly melt with highs in the 40s and lows below freezing
- Springtime rain
  - 2-4 inches of rain -> minor flooding
  - 4-6 inches of rain or back-to-back events -> moderate flooding



# Thank You



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