

March 23 - March 26, 2024 Preliminary Flood Summary

| Delaware | Above FS (ft) | Crest (ft) | Streamflow (cfs) | Below FS (ft) | Category (ft) | Record (ft) - (cfs) |
|--|---------------|-----------------------|------------------|---------------|-----------------|---------------------|
| Trenton, New Jersey - (TACN4) | Flood = 8.5 | 9.48 | 2,540 | Flood = 8.5 | 8.5 (minor) | 15.12 |
| Assunpink Creek - (WFO PHI) | 3/23/2024 | March 23, 2024 | | 3/23/2024 | 9.5 (moderate) | missing |
| Gage & Town/Mercer County | 15:15 | 20:15 EDT | | 23:30 | 11.0 (major) | August 29, 2011 |
| Pemberton, New Jersey - (PEBN4) | Flood = 2.5 | 2.59 | 721 | Flood = 2.5 | 2.5 (minor) | 4.91 |
| North Branch Rancocas Creek - (WFO PHI) | 3/24/2024 | March 24, 2024 | | 3/25/2024 | 3.5 (moderate) | 2,400 |
| Gage & Town/Burlington County | 9:30 | 18:30 EDT | | 16:00 | 4.2 (major) | August 29, 2011 |
| Passaic | Above FS (ft) | Crest (ft) | Streamflow (cfs) | Below FS (ft) | Category (ft) | Record (ft) - (cfs) |
| Boonton, NJ (below reservoir) | Flood = 5.0 | 5.83 | 2,090 | Flood = 5.0 | 5.0 (minor) | 9.73 |
| Rockaway River - (WFO PHI) - (BONN4) | 3/24/2024 | March 24, 2024 | | 3/25/2024 | 7.0 (moderate) | 6,140 |
| Gage & Town/Morris County | 0:30 | 08:30 EDT | | 0:45 | 8.0 (major) | August 28, 2011 |
| Lodi, New Jersey - (LODN4) | Flood = 5.5 | 6.84 | 2,290 | Flood = 5.5 | 5.5 (minor) | 13.94 |
| Saddle River - (WFO OKX) | 3/23/2024 | March 23, 2024 | | 3/24/2024 | 7.0 (moderate) | 5,330 |
| Gage & Town/Bergen County | 15:45 | 22:30 EDT | | 2:00 | 8.0 (major) | September 17, 1999 |
| Pine Brook, New Jersey - (PINN4) | Flood = 19.0 | 19.30 | 2,560 | Flood = 19.0 | 19.0 (minor) | 24.12 |
| Passaic River - (WFO PHI) | 3/24/2024 | March 25, 2024 | | 3/26/2024 | 20.0 (moderate) | 9,750 |
| Gage & Town/Morris County | 18:30 | 07:15 EDT | | 19:45 | 21.0 (major) | August 30, 2011 |
| Raritan | Above FS (ft) | Crest (ft) | Streamflow (cfs) | Below FS (ft) | Category (ft) | Record (ft) - (cfs) |
| Blackwells Mills, New Jersey - (BKWN4) | Flood = 9.0 | 11.77 | 5,920 | Flood = 9.0 | 9.0 (minor) | 21.24 |
| Millstone River - (WFO PHI) | 3/23/2024 | March 24, 2024 | | 3/25/2024 | 10.0 (moderate) | 20,700 |
| Gage & Town/Somerset County | 20:45 | 09:00 EDT | | 4:30 | 15.0 (major) | August 28, 2011 |
| Bound Brook, New Jersey - (BDKN4) | Flood = 28.0 | 29.89 | 22,700 | Flood = 28.0 | 28.0 (minor) | 42.13 |
| Raritan River - (WFO PHI) | 3/23/2024 | March 24, 2024 | | 3/24/2024 | 30.0 (moderate) | 82,900 |
| Gage & Town/Somerset County | 23:45 | 05:30 EDT | | 12:30 | 33.0 (major) | September 17, 1999 |
| Manville, New Jersey - (MNVN4) | Flood = 14.0 | 16.06 | 14,800 | Flood = 14.0 | 14.0 (minor) | 27.66 |
| Raritan River - (WFO PHI) | 3/23/2024 | March 24, 2024 | | 3/24/2024 | 17.0 (moderate) | 71,800 |
| Gage & Town/Somerset County | 22:45 | 04:30 EDT | | 10:00 | 20.0 (major) | September 2, 2021 |
| Raritan, New Jersey - (RRTN4) | Flood = 10.0 | 10.57 | 9,180 | Flood = 10.0 | 10.0 (minor) | 19.52 |
| North Branch Raritan River - (WFO PHI) | 3/23/2024 | March 23, 2024 | | 3/24/2024 | 12.0 (moderate) | 31,400 |
| Gage & Town/Somerset County | 19:15 | 22:15 EDT | | 1:15 | 15.0 (major) | September 2, 2021 |
| Stanton, New Jersey - (STTN4) | Flood = 8.0 | 8.56 | 4,850 | Flood = 8.0 | 8.0 (minor) | 15.22 |
| South Branch Raritan River - (WFO PHI) | 3/23/2024 | March 23, 2024 | | 3/23/2024 | 10.0 (moderate) | 18,000 |
| Gage & Town/Hunterdon County | 16:30 | 19:00 EDT | | 22:00 | 12.0 (major) | August 19, 1955 |

| Southeast PA & Delaware | Above FS (ft) | Crest (ft) | Streamflow (cfs) | Below FS (ft) | Category (ft) | Record (ft) - (cfs) |
|---|----------------------|-----------------------|-------------------------|----------------------|----------------------|----------------------------|
| <u>Chadds Ford, Pennsylvania - (CDFP1)</u> | Flood = 9.0 | 9.49 | 5,710 | Flood = 9.0 | 9.0 (minor) | 21.04 |
| Brandywine Creek/Christina Basin - (WFO PHI) | 3/23/2024 | March 23, 2024 | | 3/23/2024 | 11.0 (moderate) | 49,000 |
| Gage & Town/Delaware County | 20:15 | 21:00 EDT | | 23:00 | 13.0 (major) | September 2, 2021 |
| <u>Langhorne, Pennsylvania - (LNGP1)</u> | Flood = 9.0 | 11.91 | 10,600 | Flood = 9.0 | 9.0 (minor) | 22.84 |
| Neshaminy Creek - (WFO PHI) | 3/23/2024 | March 23, 2024 | | 3/24/2024 | 12.0 (moderate) | 49,300 |
| Gage & Town/Bucks County | 14:45 | 21:00 EDT | | 2:00 | 14.0 (major) | August 19, 1955 |
| <u>Norristown, Pennsylvania - (NRSP1)</u> | Flood = 13.0 | 13.05 | 29,300 | Flood = 13.0 | 13.0 (minor) | 26.85 |
| Schuylkill River - (WFO PHI) | 3/23/2024 | March 23, 2024 | | 3/23/2024 | 17.0 (moderate) | 119,000 |
| Gage & Town/Montgomery County | 19:15 | 20:30 EDT | | 21:00 | 19.0 (major) | September 2, 2021 |

Crest Statistics

Flooding - 3/23/2024 - 3/26/2024
 Crests - 3/23/2024 - 3/25/2024
 Second flood of 2 - March, 2024
 Fifth flood in 2024
 Number of MARFC Forecast Points Flooding - **13**
 Number of Floods Cresting in **Minor** Range - **12**
 Number of Floods Cresting in **Moderate** Range - **1**
 Number of Floods Cresting in **Major** Range - **0**
 Number of Floods Cresting in **Missing** Range - **0**
MARFC Power Ranking - 17 (Minor = 1 - Moderate = 5 - Major = 10 - Missing =1)
 Number of MARFC records - **0**
 E = Estimated

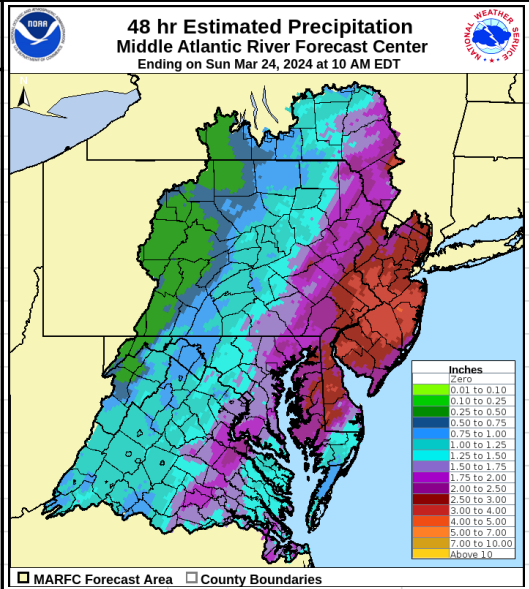
Weather Summary

Low pressure moved from the Gulf Coast up along the East Coast, bringing widespread rainfall of 1-4", heaviest in parts of Delaware, New Jersey, eastern Pennsylvania, and New York. River flooding occurred at several locations across New Jersey and Southeastern Pennsylvania.

TOP 48-HOUR PRECIPITATION AMOUNTS (Liquid Equivalent and in inches)

3/22/2024 (12 Z) - 3/24/2024 (12 Z)
Amount Location State County

| | | |
|------|-----------------------|------------|
| 3.94 | Sicklerville, NJ | Camden |
| 3.94 | Sewell, NJ | Gloucester |
| 3.81 | Harrison Township, NJ | Hudson |
| 3.76 | Blue Anchor, NJ | Camden |
| 3.76 | Folsom, NJ | Atlantic |
| 3.66 | Upper Deerfield, NJ | Cumberland |
| 3.64 | Riegelsville, PA | Bucks |
| 3.59 | Hammonton, NJ | Atlantic |
| 3.53 | Mansfield, NJ | Burlington |
| 3.52 | Greenwich, NJ | Cumberland |
| 3.52 | Piney Hollow, NJ | Gloucester |
| 3.50 | South Harrison, NJ | Gloucester |
| 3.41 | Hammonton, NJ | Atlantic |
| 3.39 | Mount Holly, NJ | Burlington |
| 3.39 | Pennsauken, NJ | Camden |



Floods by MARFC Basins

| MARFC Basins | Fcst Points | Minor | Moderate | Major | Unknown | Mod & Major |
|-----------------------------|-------------|-------|----------|-------|---------|-------------|
| Appomattox | 0 | 0 | 0 | 0 | 0 | 0 |
| Chemung | 0 | 0 | 0 | 0 | 0 | 0 |
| Delaware | 2 | 2 | 0 | 0 | 0 | 0 |
| James | 0 | 0 | 0 | 0 | 0 | 0 |
| Juniata | 0 | 0 | 0 | 0 | 0 | 0 |
| Lehigh | 0 | 0 | 0 | 0 | 0 | 0 |
| Lower Main Stem Susquehanna | 0 | 0 | 0 | 0 | 0 | 0 |
| North Branch Susquehanna | 0 | 0 | 0 | 0 | 0 | 0 |
| Passaic | 3 | 3 | 0 | 0 | 0 | 0 |
| Potomac | 0 | 0 | 0 | 0 | 0 | 0 |
| Rappahannock | 0 | 0 | 0 | 0 | 0 | 0 |
| Raritan | 5 | 4 | 1 | 0 | 0 | 1 |
| SE PA and Delaware (state) | 3 | 3 | 0 | 0 | 0 | 0 |
| Shenandoah | 0 | 0 | 0 | 0 | 0 | 0 |
| Upper Main Stem Susquehanna | 0 | 0 | 0 | 0 | 0 | 0 |
| West Branch Susquehanna | 0 | 0 | 0 | 0 | 0 | 0 |

Floods by NWS Weather Forecast Offices

| Forecast Office | Fcst Points | Minor | Moderate | Major | Unknown | Mod & Major |
|-------------------------|--------------------|--------------|-----------------|--------------|----------------|------------------------|
| Blacksburg, VA (RNK) | 0 | 0 | 0 | 0 | 0 | 0 |
| Binghamton, NY (BGM) | 0 | 0 | 0 | 0 | 0 | 0 |
| Brookhaven, NY (OKX) | 1 | 1 | 0 | 0 | 0 | 0 |
| Philadelphia, PA (PHI) | 12 | 11 | 1 | 0 | 0 | 1 |
| State College, PA (CTP) | 0 | 0 | 0 | 0 | 0 | 0 |
| Sterling, VA (LWX) | 0 | 0 | 0 | 0 | 0 | 0 |
| Wakefield, VA (AKQ) | 0 | 0 | 0 | 0 | 0 | 0 |

