

## December 18 - December 25, 2023 Preliminary Flood Summary

| <b>Delaware</b>                                           |            | <b>Above FS (ft)</b>     | <b>Crest (ft)</b> | <b>Streamflow (cfs)</b> | <b>Below FS (ft)</b> | <b>Category (ft)</b> | <b>Record (ft) - (cfs)</b> |
|-----------------------------------------------------------|------------|--------------------------|-------------------|-------------------------|----------------------|----------------------|----------------------------|
| <a href="#"><b>Cooks Falls, New York - (CKFN6)</b></a>    |            | Flood = 10.0             | <b>11.51</b>      | <b>14,400</b>           | Flood = 10.0         | 10.0 (minor)         | 20.55                      |
| Beaver Kill - (WFO BGM)                                   | 12/18/2023 | <b>December 18, 2023</b> |                   |                         | 12/18/2023           | 16.0 (moderate)      | 62,400                     |
| Gage & Town/Delaware County                               | 8:00       |                          |                   |                         | 17:30                | 18.0 (major)         | June 28, 2006              |
| <a href="#"><b>Pemberton, New Jersey - (PEBN4)</b></a>    |            | Flood = 2.5              | <b>2.83</b>       | <b>870</b>              | Flood = 2.5          | 2.5 (minor)          | 4.91                       |
| North Branch Rancocas Creek - (WFO PHI)                   | 12/18/2023 | <b>December 19, 2023</b> |                   |                         | 12/20/2023           | 3.5 (moderate)       | 2,400                      |
| Gage & Town/Burlington County                             | 6:15       |                          |                   |                         | 19:45                | 4.2 (major)          | August 29, 2011            |
| <a href="#"><b>Shoemakers, Pennsylvania - (SHOP1)</b></a> |            | Flood = 6.0              | <b>6.26</b>       | <b>4,070</b>            | Flood = 6.0          | 6.0 (minor)          | 13.95                      |
| Bush Kill - (WFO PHI)                                     | 12/18/2023 | <b>December 18, 2023</b> |                   |                         | 12/18/2023           | 7.0 (moderate)       | 23,400                     |
| Gage/Monroe County - Town/Cambria County                  | 12:00      |                          |                   |                         | 19:15                | 8.0 (major)          | August 19, 1955            |
| <a href="#"><b>Trenton, New Jersey - (TACN4)</b></a>      |            | Flood = 8.5              | <b>9.29</b>       | <b>2,430</b>            | Flood = 8.5          | 8.5 (minor)          | 15.12                      |
| Assunpink Creek - (WFO PHI)                               | 12/18/2023 | <b>December 18, 2023</b> |                   |                         | 12/18/2023           | 9.5 (moderate)       | missing                    |
| Gage & Town/Mercer County                                 | 7:15       |                          |                   |                         | 18:45                | 11.0 (major)         | August 29, 2011            |
| <a href="#"><b>Walton, New York - (WALN6)</b></a>         |            | Flood = 9.5              | <b>12.13</b>      | <b>10,200</b>           | Flood = 9.5          | 9.5 (minor)          | 16.85                      |
| West Branch Delaware River - (WFO BGM)                    | 12/18/2023 | <b>December 18, 2023</b> |                   |                         | 12/19/2023           | 14.0 (moderate)      | 28,600                     |
| Gage & Town/Delaware County                               | 6:30       |                          |                   |                         | 16:15                | 16.0 (major)         | June 28, 2006              |
| <b>Lehigh</b>                                             |            | <b>Above FS (ft)</b>     | <b>Crest (ft)</b> | <b>Streamflow (cfs)</b> | <b>Below FS (ft)</b> | <b>Category (ft)</b> | <b>Record (ft) - (cfs)</b> |
| <a href="#"><b>Walnutport, Pennsylvania - (WNTP1)</b></a> |            | Flood = 8.0              | <b>9.01</b>       | <b>22,600</b>           | Flood = 8.0          | 8.0 (minor)          | 20.60                      |
| Lehigh River - (WFO PHI)                                  | 12/18/2023 | <b>December 18, 2023</b> |                   |                         | 12/18/2023           | 12.0 (moderate)      | not available              |
| Gage & Town/Northampton County                            | 9:45       |                          |                   |                         | 20:00                | 16.0 (major)         | May 23, 1942               |
| <b>Passaic</b>                                            |            | <b>Above FS (ft)</b>     | <b>Crest (ft)</b> | <b>Streamflow (cfs)</b> | <b>Below FS (ft)</b> | <b>Category (ft)</b> | <b>Record (ft) - (cfs)</b> |
| <a href="#"><b>Boonton, NJ - (BOTN4)</b></a>              |            | Flood = 4.5              | <b>4.71</b>       | <b>4,380</b>            | Flood = 4.5          | 4.5 (minor)          | 9.31                       |
| Rockaway River - (WFO PHI)                                | 12/18/2023 | <b>December 18, 2023</b> |                   |                         | 12/19/2023           | 6.0 (moderate)       | missing                    |
| Gage & Town/Morris County                                 | 14:45      |                          |                   |                         | 0:15                 | 7.0 (major)          | August 28, 2011            |
| <a href="#"><b>Boonton, NJ (below reservoir)</b></a>      |            | Flood = 5.0              | <b>7.84</b>       | <b>4,140</b>            | Flood = 5.0          | 5.0 (minor)          | 9.73                       |
| Rockaway River - (WFO PHI) - (BONN4)                      | 12/18/2023 | <b>December 19, 2023</b> |                   |                         | 12/21/2023           | 7.0 (moderate)       | 6,140                      |
| Gage & Town/Morris County                                 | 10:00      |                          |                   |                         | 6:30                 | 8.0 (major)          | August 28, 2011            |

|                                                      |              |                          |               |              |                 |                    |
|------------------------------------------------------|--------------|--------------------------|---------------|--------------|-----------------|--------------------|
| <a href="#">Chatham, New Jersey - (CAMN4)</a>        | Flood = 6.0  | <b>6.85</b>              | <b>1,900</b>  | Flood = 6.0  | 6.0 (minor)     | 9.36               |
| Passaic River - (WFO PHI)                            | 12/18/2023   | <b>December 18, 2023</b> |               | 12/18/2023   | 8.0 (moderate)  | 3,380              |
| Gage & Town/Morris County                            | 4:00         | <b>07:15 EST</b>         |               | 16:00        | 10.0 (major)    | August 2, 1973     |
| <a href="#">Little Falls, New Jersey - (LTFN4)</a>   | Flood = 7.0  | <b>10.29</b>             | <b>12,400</b> | Flood = 7.0  | 7.0 (minor)     | 17.50              |
| Passaic River - (WFO PHI)                            | 12/18/2023   | <b>December 20, 2023</b> |               | 12/24/2023   | 8.0 (moderate)  | 31,700             |
| Gage & Town/Passaic County                           | 12:45        | <b>05:15 EST</b>         |               | 1:30         | 9.0 (major)     | October 10, 1903   |
| <a href="#">Lodi, New Jersey - (LODN4)</a>           | Flood = 5.5  | <b>10.20</b>             | <b>3,790</b>  | Flood = 5.5  | 5.5 (minor)     | 13.94              |
| Saddle River - (WFO OKX)                             | 12/18/2023   | <b>December 18, 2023</b> |               | 12/19/2023   | 7.0 (moderate)  | 5,330              |
| Gage & Town/Bergen County                            | 5:45         | <b>16:15 EST</b>         |               | 0:30         | 8.0 (major)     | September 17, 1999 |
| <a href="#">Macopin Intake, New Jersey - (MCPN4)</a> | Flood = 5.5  | <b>6.30</b>              | <b>2,210</b>  | Flood = 5.5  | 5.5 (minor)     | 17.40              |
| Pequannock River - (WFO PHI)                         | 12/18/2023   | <b>December 18, 2023</b> |               | 12/20/2023   | 6.5 (moderate)  | 6,100              |
| Gage & Town/Passaic County                           | 4:10         | <b>11:30 EST</b>         |               | 4:35         | 7.5 (major)     | October 10, 1903   |
| <a href="#">Mahwah, New Jersey - (MAWN4)</a>         | Flood = 8.0  | <b>11.33</b>             | <b>7,160</b>  | Flood = 8.0  | 8.0 (minor)     | 15.77              |
| Ramapo River - (WFO OKX)                             | 12/18/2023   | <b>December 18, 2023</b> |               | 12/20/2023   | 9.0 (moderate)  | 15,000             |
| Gage & Town/Bergen County                            | 5:00         | <b>15:30 EST</b>         |               | 0:00         | 12.0 (major)    | August 28, 2011    |
| <a href="#">Millington, New Jersey - (MILN4)</a>     | Flood = 8.0  | <b>8.23</b>              | <b>1,030</b>  | Flood = 8.0  | 8.0 (minor)     | 10.26              |
| Passaic River - (WFO PHI)                            | 12/18/2023   | <b>December 19, 2023</b> |               | 12/20/2023   | 9.0 (moderate)  | 2,610              |
| Gage/Somerset County - Town/Morris County            | 16:15        | <b>22:15 EST</b>         |               | 19:00        | 9.8 (major)     | August 29, 2011    |
| <a href="#">Pine Brook, New Jersey - (PINN4)</a>     | Flood = 19.0 | <b>21.52</b>             | <b>3,190</b>  | Flood = 19.0 | 19.0 (minor)    | 24.12              |
| Passaic River - (WFO PHI)                            | 12/18/2023   | <b>December 20, 2023</b> |               | 12/25/2023   | 20.0 (moderate) | 9,750              |
| Gage & Town/Morris County                            | 10:00        | <b>00:45 EST</b>         |               | 8:15         | 21.0 (major)    | August 30, 2011    |
| <a href="#">Pompton Lakes, New Jersey - (PPTN4)</a>  | Flood = 11.5 | <b>15.87</b>             | <b>9,110</b>  | Flood = 11.5 | 11.5 (minor)    | 22.61              |
| Ramapo River - (WFO PHI)                             | 12/18/2023   | <b>December 18, 2023</b> |               | 12/19/2023   | 13.5 (moderate) | 17,800             |
| Gage & Town/Passaic County                           | 5:40         | <b>16:50 EST</b>         |               | 17:35        | 14.5 (major)    | August 28, 2011    |
| <a href="#">Pompton Plains, New Jersey - (PPP4)</a>  | Flood = 16.0 | <b>21.21</b>             | <b>14,800</b> | Flood = 16.0 | 16.0 (minor)    | 25.24              |
| Pompton River - (WFO PHI)                            | 12/18/2023   | <b>December 18, 2023</b> |               | 12/20/2023   | 18.0 (moderate) | missing            |
| Gage/Passaic County - Town/Morris County             | 7:00         | <b>19:45 EST</b>         |               | 3:15         | 19.0 (major)    | August 29, 2011    |
| <a href="#">Singac, New Jersey - (SIGN4)</a>         | Flood = 8.5  | <b>12.44*</b>            | <b>12,600</b> | Flood = 8.5  | 8.5 (minor)     | 12.44              |
| Passaic River - (WFO PHI)                            | 12/18/2023   | <b>December 20, 2023</b> |               | 12/24/2023   | 10.0 (moderate) | 12,600             |
| Gage & Town/Passaic County                           | 11:15        | <b>02:00 EST</b>         |               | 11:30        | 12.0 (major)    | December 20, 2023  |

| <b>Potomac</b>                                                | <b>Above FS (ft)</b> | <b>Crest (ft)</b>        | <b>Streamflow (cfs)</b> | <b>Below FS (ft)</b> | <b>Category (ft)</b> | <b>Record (ft) - (cfs)</b> |
|---------------------------------------------------------------|----------------------|--------------------------|-------------------------|----------------------|----------------------|----------------------------|
| <a href="#"><u>Dawsonville, Maryland - (DAWM2)</u></a>        | Flood = 7.5          | <b>7.72</b>              | <b>2,770</b>            | Flood = 7.5          | 7.5 (minor)          | 16.40                      |
| Seneca Creek - (WFO LWX)                                      | 12/18/2023           | <b>December 18, 2023</b> |                         | 12/18/2023           | 11.0 (moderate)      | 26,100                     |
| Gage & Town/Montgomery County                                 | 2:25                 | <b>03:25 EST</b>         |                         | 4:45                 | 16.0 (major)         | June 22, 1972              |
| <b>Raritan</b>                                                | <b>Above FS (ft)</b> | <b>Crest (ft)</b>        | <b>Streamflow (cfs)</b> | <b>Below FS (ft)</b> | <b>Category (ft)</b> | <b>Record (ft) - (cfs)</b> |
| <a href="#"><u>Blackwells Mills, New Jersey - (BKWN4)</u></a> | Flood = 9.0          | <b>14.19</b>             | <b>8,810</b>            | Flood = 9.0          | 9.0 (minor)          | 21.24                      |
| Millstone River - (WFO PHI)                                   | 12/18/2023           | <b>December 19, 2023</b> |                         | 12/20/2023           | 10.0 (moderate)      | 20,700                     |
| Gage & Town/Somerset County                                   | 10:15                | <b>00:15 EST</b>         |                         | 7:45                 | 15.0 (major)         | August 28, 2011            |
| <a href="#"><u>Bound Brook, New Jersey - (BDKN4)</u></a>      | Flood = 28.0         | <b>33.72</b>             | <b>35,200</b>           | Flood = 28.0         | 28.0 (minor)         | 42.13                      |
| Raritan River - (WFO PHI)                                     | 12/18/2023           | <b>December 18, 2023</b> |                         | 12/19/2023           | 30.0 (moderate)      | 82,900                     |
| Gage & Town/Somerset County                                   | 10:30                | <b>22:15 EST</b>         |                         | 14:00                | 33.0 (major)         | September 17, 1999         |
| <a href="#"><u>Manville, New Jersey - (MNVN4)</u></a>         | Flood = 14.0         | <b>19.84</b>             | <b>22,300</b>           | Flood = 14.0         | 14.0 (minor)         | 27.10                      |
| Raritan River - (WFO PHI)                                     | 12/18/2023           | <b>December 18, 2023</b> |                         | 12/19/2023           | 17.0 (moderate)      | 77,600                     |
| Gage & Town/Somerset County                                   | 10:30                | <b>20:00 EST</b>         |                         | 12:15                | 20.0 (major)         | September 16, 1999         |
| <a href="#"><u>Raritan, New Jersey - (RRTN4)</u></a>          | Flood = 10.0         | <b>13.54</b>             | <b>15,600</b>           | Flood = 10.0         | 10.0 (minor)         | 18.98                      |
| North Branch Raritan River - (WFO PHI)                        | 12/18/2023           | <b>December 18, 2023</b> |                         | 12/18/2023           | 12.0 (moderate)      | 29,000                     |
| Gage & Town/Somerset County                                   | 7:15                 | <b>1:30 PM</b>           |                         | 21:00                | 15.0 (major)         | September 16, 1999         |
| <a href="#"><u>Stanton, New Jersey - (STTN4)</u></a>          | Flood = 8.0          | <b>11.19</b>             | <b>9,030</b>            | Flood = 8.0          | 8.0 (minor)          | 15.22                      |
| South Branch Raritan River - (WFO PHI)                        | 12/18/2023           | <b>December 18, 2023</b> |                         | 12/19/2023           | 10.0 (moderate)      | 18,000                     |
| Gage & Town/Hunterdon County                                  | 3:45                 | <b>8:30 AM</b>           |                         | 0:45                 | 12.0 (major)         | August 19, 1955            |
| <b>Southeast PA &amp; Delaware</b>                            | <b>Above FS (ft)</b> | <b>Crest (ft)</b>        | <b>Streamflow (cfs)</b> | <b>Below FS (ft)</b> | <b>Category (ft)</b> | <b>Record (ft) - (cfs)</b> |
| <a href="#"><u>Berne, Pennsylvania - (BREP1)</u></a>          | Flood = 12.0         | <b>13.35</b>             | <b>17,700</b>           | Flood = 12.0         | 12.0 (minor)         | 19.00                      |
| Schuylkill River - (WFO PHI)                                  | 12/18/2023           | <b>December 18, 2023</b> |                         | 12/18/2023           | 14.0 (moderate)      | 42,800                     |
| Gage & Town/Berks County                                      | 8:00                 | <b>12:00 EST</b>         |                         | 18:00                | 16.0 (major)         | June 22, 1972              |
| <a href="#"><u>Chadds Ford, Pennsylvania - (CDFP1)</u></a>    | Flood = 9.0          | <b>12.14</b>             | <b>9,300</b>            | Flood = 9.0          | 9.0 (minor)          | 17.15                      |
| Brandywine Creek/Christina Basin - (WFO PHI)                  | 12/18/2023           | <b>December 18, 2023</b> |                         | 12/19/2023           | 11.0 (moderate)      | 26,900                     |
| Gage & Town/Delaware County                                   | 6:00                 | <b>16:15 EST</b>         |                         | 1:15                 | 13.0 (major)         | September 17, 1999         |
| <a href="#"><u>Graterford, Pennsylvania - (GRAP1)</u></a>     | Flood = 11.0         | <b>13.97</b>             | <b>22,000</b>           | Flood = 11.0         | 11.0 (minor)         | 19.14                      |
| Perkiomen Creek - (WFO PHI)                                   | 12/18/2023           | <b>December 18, 2023</b> |                         | 12/18/2023           | 13.0 (moderate)      | 44,600                     |
| Gage & Town/Montgomery County                                 | 4:15                 | <b>11:30 EST</b>         |                         | 16:45                | 16.0 (major)         | September 2, 2021          |

|                                                       |                      |                          |                         |                      |                      |                            |
|-------------------------------------------------------|----------------------|--------------------------|-------------------------|----------------------|----------------------|----------------------------|
| <a href="#">Langhorne, Pennsylvania - (LNGP1)</a>     | Flood = 9.0          | <b>13.59</b>             | <b>13,100</b>           | Flood = 9.0          | 9.0 (minor)          | 22.84                      |
| Neshaminy Creek - (WFO PHI)                           | 12/18/2023           | <b>December 18, 2023</b> |                         | 12/18/2023           | 12.0 (moderate)      | 49,300                     |
| Gage & Town/Bucks County                              | 4:45                 | <b>12:45 EST</b>         |                         | 20:30                | 14.0 (major)         | August 19, 1955            |
| <a href="#">Norristown, Pennsylvania - (NRSP1)</a>    | Flood = 13.0         | <b>15.85</b>             | <b>51,200</b>           | Flood = 13.0         | 13.0 (minor)         | 25.10                      |
| Schuylkill River - (WFO PHI)                          | 12/18/2023           | <b>December 18, 2023</b> |                         | 12/18/2023           | 17.0 (moderate)      | not available              |
| Gage & Town/Montgomery County                         | 5:00                 | <b>15:15 EST</b>         |                         | 10:00                | 19.0 (major)         | June 23, 1972              |
| <a href="#">Philadelphia, Pennsylvania - (PADP1)</a>  | Flood = 11.0         | <b>11.82</b>             | <b>53,800</b>           | Flood = 11.0         | 11.0 (minor)         | 17.00                      |
| Schuylkill River - (WFO PHI)                          | 12/18/2023           | <b>December 18, 2023</b> |                         | 12/18/2023           | 13.0 (moderate)      | 135,000                    |
| Gage & Town/Philadelphia County                       | 10:00                | <b>14:30 EST</b>         |                         | 23:00                | 15.5 (major)         | October 4, 1869            |
| <a href="#">Pottstown, Pennsylvania - (PTNP1)</a>     | Flood = 12.5         | <b>13.92</b>             | <b>26,500</b>           | Flood = 12.5         | 12.5 (minor)         | 29.97                      |
| Schuylkill River - (WFO PHI)                          | 12/18/2023           | <b>December 19, 2023</b> |                         | 12/19/2023           | 18.0 (moderate)      | 95,900                     |
| Gage & Town/Montgomery County                         | 16:00                | <b>00:00 EST</b>         |                         | 7:30                 | 22.0 (major)         | June 23, 1972              |
| <a href="#">Wilmington, Delaware - (WMND1)</a>        | Flood = 16.5         | <b>17.08</b>             | <b>10,800</b>           | Flood = 16.5         | 16.5 (minor)         | 20.70                      |
| Brandywine Creek/Christina Basin - (WFO PHI)          | 12/18/2023           | <b>December 18, 2023</b> |                         | 12/19/2023           | 18.0 (moderate)      | missing                    |
| Gage & Town/New Castle County                         | 17:00                | <b>20:15 EST</b>         |                         | 0:15                 | 19.0 (major)         | May 1, 2014                |
| <b>Susquehanna (Lower Main Stem)</b>                  | <b>Above FS (ft)</b> | <b>Crest (ft)</b>        | <b>Streamflow (cfs)</b> | <b>Below FS (ft)</b> | <b>Category (ft)</b> | <b>Record (ft) - (cfs)</b> |
| <a href="#">Harper Tavern, Pennsylvania - (HTVP1)</a> | Flood = 9.0          | <b>12.01</b>             | <b>10,400</b>           | Flood = 9.0          | 9.0 (minor)          | 25.60                      |
| Swatara Creek - (WFO CTP)                             | 12/18/2023           | <b>December 19, 2023</b> |                         | 12/19/2023           | 12.0 (moderate)      | 88,000                     |
| Gage & Town/Lebanon County                            | 6:30                 | <b>00:30 EST</b>         |                         | 9:30                 | 15.0 (major)         | June 1, 1889               |
| <a href="#">Hershey, Pennsylvania - (HERP1)</a>       | Flood = 7.0          | <b>7.98</b>              | <b>10,600</b>           | Flood = 7.0          | 7.0 (minor)          | 27.22                      |
| Swatara Creek - (WFO CTP)                             | 12/18/2023           | <b>December 19, 2023</b> |                         | 12/19/2023           | 10.0 (moderate)      | 96,900                     |
| Gage & Town/Dauphin County                            | 16:30                | <b>08:30 EST</b>         |                         | 15:45                | 14.0 (major)         | September 8, 2011          |
| <a href="#">Lancaster, Pennsylvania - (LNCP1)</a>     | Flood = 11.0         | <b>13.25</b>             | <b>11,800</b>           | Flood = 11.0         | 11.0 (minor)         | 27.90                      |
| Conestoga River - (WFO CTP)                           | 12/18/2023           | <b>December 18, 2023</b> |                         | 12/19/2023           | 13.0 (moderate)      | 50,300                     |
| Gage & Town/Lancaster County                          | 12:00                | <b>17:30 EST</b>         |                         | 0:00                 | 15.0 (major)         | June 23, 1972              |
| <a href="#">Middletown, Pennsylvania - (MTLP1)</a>    | Flood = 11.0         | <b>11.05</b>             | <b>M</b>                | Flood = 11.0         | 11.0 (minor)         | 28.45                      |
| Swatara Creek - (WFO CTP)                             | 12/19/2023           | <b>December 19, 2023</b> |                         | 12/19/2023           | 15.0 (moderate)      | not available              |
| Gage & Town/Dauphin County                            | 15:30                | <b>16:30 EST</b>         |                         | 18:15                | 18.0 (major)         | June 23, 1972              |

| <b>Susquehanna Basin (North Branch)</b>                   | <b>Above FS (ft)</b> | <b>Crest (ft)</b>                      | <b>Streamflow (cfs)</b> | <b>Below FS (ft)</b> | <b>Category (ft)</b> | <b>Record (ft) - (cfs)</b> |
|-----------------------------------------------------------|----------------------|----------------------------------------|-------------------------|----------------------|----------------------|----------------------------|
| <a href="#"><u>Bainbridge, New York - (BAIN6)</u></a>     | Flood = 15.0         | <b>16.84</b>                           | <b>24,700</b>           | Flood = 15.0         | 15.0 (minor)         | 27.05                      |
| Susquehanna River (North BR) - (WFO BGM)                  | 12/18/2023           | <b>December 19, 2023<br/>17:45 EST</b> |                         | 12/20/2023           | 20.0 (moderate)      | 58,700                     |
| Gage & Town/Chenango County                               | 15:00                |                                        |                         | 10:00                | 22.0 (major)         | June 29, 2006              |
| <a href="#"><u>Binghamton, New York - (BNGN6)</u></a>     | Flood = 14.0         | <b>14.66</b>                           | <b>M</b>                | Flood = 14.0         | 14.0 (minor)         | 25.73                      |
| Susquehanna River (North BR) - (WFO BGM)                  | 12/18/2023           | <b>December 18, 2023<br/>18:15 EST</b> |                         | 12/19/2023           | 15.0 (moderate)      | missing                    |
| Gage & Town/Broome County                                 | 13:00                |                                        |                         | 3:45                 | 18.0 (major)         | September 8, 2011          |
| <a href="#"><u>Chenango Forks, New York - (CNON6)</u></a> | Flood = 10.0         | <b>10.22</b>                           | <b>21,700</b>           | Flood = 10.0         | 10.0 (minor)         | 20.30                      |
| Chenango River - (WFO BGM)                                | 12/18/2023           | <b>December 18, 2023<br/>15:00 EST</b> |                         | 12/19/2023           | 12.6 (moderate)      | 96,000                     |
| Gage & Town/Broome County                                 | 12:15                |                                        |                         | 0:00                 | 14.0 (major)         | July 8, 1935               |
| <a href="#"><u>Conklin, New York - (CKLN6)</u></a>        | Flood = 12.0         | <b>15.09</b>                           | <b>33,800</b>           | Flood = 12.0         | 12.0 (minor)         | 25.02                      |
| Susquehanna River (North BR) - (WFO BGM)                  | 12/18/2023           | <b>December 18, 2023<br/>17:30 EST</b> |                         | 12/21/2023           | 15.0 (moderate)      | 76,800                     |
| Gage & Town/Broome County                                 | 7:15                 |                                        |                         | 4:30                 | 20.0 (major)         | June 28, 2006              |
| <a href="#"><u>Cortland, New York - (CRTN6)</u></a>       | Flood = 8.0          | <b>9.50</b>                            | <b>5,130</b>            | Flood = 8.0          | 8.0 (minor)          | 14.07                      |
| Tioughnioga River - (WFO BGM)                             | 12/18/2023           | <b>December 19, 2023<br/>04:30 EST</b> |                         | 12/19/2023           | 10.0 (moderate)      | 14,200                     |
| Gage & Town/Cortland County                               | 22:00                |                                        |                         | 20:00                | 12.5 (major)         | April 3, 2005              |
| <a href="#"><u>Greene, New York - (GNEN6)</u></a>         | Flood = 13.0         | <b>13.26</b>                           | <b>9,960</b>            | Flood = 13.0         | 13.0 (minor)         | 22.00                      |
| Chenango River - (WFO BGM)                                | 12/18/2023           | <b>December 18, 2023<br/>22:15 EST</b> |                         | 12/19/2023           | 15.0 (moderate)      | not available              |
| Gage & Town/Chenango County                               | 17:45                |                                        |                         | 6:45                 | 18.0 (major)         | July 8, 1935               |
| <a href="#"><u>Sherburne, New York - (SHBN6)</u></a>      | Flood = 8.5          | <b>9.85</b>                            | <b>5,850</b>            | Flood = 8.5          | 8.5 (minor)          | 13.72                      |
| Chenango River - (WFO BGM)                                | 12/18/2023           | <b>December 18, 2023<br/>14:30 EST</b> |                         | 12/19/2023           | 9.5 (moderate)       | 2,190                      |
| Gage & Town/Chenango County                               | 9:30                 |                                        |                         | 11:15                | 10.6 (major)         | February 17, 1954          |
| <a href="#"><u>Unadilla, New York - (UNDN6)</u></a>       | Flood = 11.0         | <b>11.57</b>                           | <b>14,600</b>           | Flood = 11.0         | 11.0 (minor)         | 17.72                      |
| Susquehanna River (North BR) - (WFO BGM)                  | 12/19/2023           | <b>December 19, 2023<br/>11:45 EST</b> |                         | 12/19/2023           | 13.0 (moderate)      | 35,100                     |
| Gage & Town/Otsego County                                 | 4:00                 |                                        |                         | 22:00                | 14.5 (major)         | June 29, 2006              |
| <a href="#"><u>Vestal, New York - (VSTN6)</u></a>         | Flood = 18.0         | <b>22.41</b>                           | <b>59,800</b>           | Flood = 18.0         | 18.0 (minor)         | 35.26                      |
| Susquehanna River - (North BR) - (WFO BGM)                | 12/18/2023           | <b>December 18, 2023<br/>21:00 EST</b> |                         | 12/20/2023           | 21.0 (moderate)      | 129,000                    |
| Gage & Town/Broome County                                 | 10:30                |                                        |                         | 15:00                | 27.0 (major)         | September 8, 2011          |

|                                                      |                      |                                              |                         |                      |                      |                            |
|------------------------------------------------------|----------------------|----------------------------------------------|-------------------------|----------------------|----------------------|----------------------------|
| <a href="#">Waverly, New York - (WVYN6)</a>          | Flood = 13.0         | <b>15.48</b>                                 | <b>71,800</b>           | Flood = 13.0         | 13.0 (minor)         | 26.67                      |
| Susquehanna River (North BR) - (WFO BGM)             | 12/18/2023           | <b>December 19, 2023</b><br><b>03:15 EST</b> |                         | 12/20/2023           | 16.0 (moderate)      | 167,000                    |
| Gage/Bradford Co, PA - Town/Tioga Co, NY             | 15:15                |                                              |                         | 2:15                 | 20.0 (major)         | September 8, 2011          |
| <b>Susquehanna Basin (Upper Main Stem)</b>           | <b>Above FS (ft)</b> | <b>Crest (ft)</b>                            | <b>Streamflow (cfs)</b> | <b>Below FS (ft)</b> | <b>Category (ft)</b> | <b>Record (ft) - (cfs)</b> |
| <a href="#">Monroeton, Pennsylvania - (MONP1)</a>    | Flood = 15.5         | <b>15.75</b>                                 | <b>11,800</b>           | Flood = 15.5         | 15.5 (minor)         | 20.97                      |
| Towanda Creek - (WFO BGM)                            | 12/18/2023           | <b>December 18, 2023</b><br><b>08:00 EST</b> |                         | 12/18/2023           | 17.0 (moderate)      | 64,200                     |
| Gage & Town/Bradford County                          | 7:45                 |                                              |                         | 8:45                 | 18.5 (major)         | September 8, 2011          |
| <a href="#">Tunkhannock, Pennsylvania - (TNKP1)</a>  | Flood = 11.0         | <b>13.94</b>                                 | <b>18,100</b>           | Flood = 11.0         | 11.0 (minor)         | 20.90                      |
| Tunkhannock Creek - (WFO BGM)                        | 12/18/2023           | <b>December 18, 2023</b><br><b>13:45 EST</b> |                         | 12/18/2023           | 14.0 (moderate)      | 39,500                     |
| Gage & Town/Wyoming County                           | 6:30                 |                                              |                         | 20:30                | 17.0 (major)         | June 28, 2006              |
| <a href="#">Wilkes-Barre, Pennsylvania - (WBRP1)</a> | Flood = 22.0         | <b>22.51</b>                                 | <b>124,000</b>          | Flood = 22.0         | 22.0 (minor)         | 42.66                      |
| Susquehanna River - (WFO BGM)                        | 12/19/2023           | <b>December 19, 2023</b><br><b>04:30 EST</b> |                         | 12/19/2023           | 28.0 (moderate)      | missing                    |
| Gage & Town/Luzerne County                           | 0:15                 |                                              |                         | 11:30                | 30.0 (major)         | September 9, 2011          |

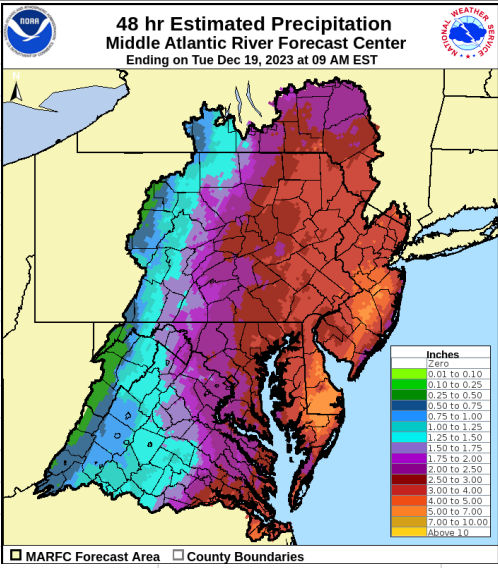
### Crest Statistics

Flooding - 12/18/2023 - 12/25/2023  
 Crests - 12/18/2023 - 12/20/2023  
 Second flood of 2 - December, 2023  
 Ninth flood in 2023  
 Number of MARFC Forecast Points Flooding - **49**  
 Number of Floods Cresting in **Minor** Range - **28**  
 Number of Floods Cresting in **Moderate** Range - **14**  
 Number of Floods Cresting in **Major** Range - **7**  
 Number of Floods Cresting in **Missing** Range - **0**  
**MARFC Power Ranking - 168** (Minor = 1 - Moderate = 5 - Major = 10 - Missing =1)  
 Number of MARFC records - **1**  
 E = Estimated

### Weather Summary

A vigorous low pressure system originating in the tropics moved up the US East Coast, prompting flash flooding, coastal flooding, and river flooding from Florida to Maine. Up to 5-6"+ of rain was observed in the Mid-Atlantic, which led to Major river flooding in New Jersey and widespread Minor to Moderate river flooding elsewhere, particularly in Southeastern Pennsylvania and portions of the Upper Susquehanna basin in New York.

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

| 12/17/2023 - 12/19/2023 (12 Z)         |                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Amount Location County State           |                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
| 6.70 Parsonsburg, MD Wicomico          |  <p style="font-size: small;"> <b>48 hr Estimated Precipitation</b><br/> <b>Middle Atlantic River Forecast Center</b><br/>           Ending on Tue Dec 19, 2023 at 09 AM EST         </p> <p style="font-size: x-small;"> <input type="checkbox"/> MARFC Forecast Area    <input type="checkbox"/> County Boundaries         </p> |  |  |
| 6.17 Delmar, DE Sussex                 |                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
| 5.89 Stockley, DE Sussex               |                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
| 5.68 Oakland, NJ Bergen                |                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
| 5.60 Ringwood, NJ Passaic              |                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
| 5.56 West Milford Township, NJ Passaic |                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
| 5.49 Ringwood, NJ Passaic              |                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
| 5.47 Delmar, DE Sussex                 |                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
| 5.44 Harbeson, DE Sussex               |                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
| 5.42 Charlotteburg, NJ Passaic         |                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
| 5.39 Lincoln Park, NJ Morris           |                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
| 5.39 Oakland, NJ Bergen                |                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
| 5.24 Franklin Lake, NJ Bergen          |                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
| 5.23 Pompton Lakes, NJ Passaic         |                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
| 5.20 Essex Fells, NJ Essex             |                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |

**Floods by MARFC Basins**

| <b>MARFC Basins</b>         | <b>Fcst Points</b> | <b>Minor</b> | <b>Moderate</b> | <b>Major</b> | <b>Unknown</b> | <b>Mod &amp; Major</b> |
|-----------------------------|--------------------|--------------|-----------------|--------------|----------------|------------------------|
| Appomattox                  | 0                  | 0            | 0               | 0            | 0              | 0                      |
| Chemung                     | 0                  | 0            | 0               | 0            | 0              | 0                      |
| Delaware                    | 5                  | 5            | 0               | 0            | 0              | 0                      |
| James                       | 0                  | 0            | 0               | 0            | 0              | 0                      |
| Juniata                     | 0                  | 0            | 0               | 0            | 0              | 0                      |
| Lehigh                      | 1                  | 1            | 0               | 0            | 0              | 0                      |
| Lower Main Stem Susquehanna | 4                  | 2            | 2               | 0            | 0              | 2                      |
| North Branch Susquehanna    | 10                 | 7            | 3               | 0            | 0              | 3                      |
| Passaic                     | 12                 | 4            | 2               | 6            | 0              | 8                      |
| Potomac                     | 1                  | 1            | 0               | 0            | 0              | 0                      |
| Rappahannock                | 0                  | 0            | 0               | 0            | 0              | 0                      |
| Raritan                     | 5                  | 0            | 4               | 1            | 0              | 5                      |
| SE PA and Delaware (state)  | 8                  | 5            | 3               | 0            | 0              | 3                      |
| Shenandoah                  | 0                  | 0            | 0               | 0            | 0              | 0                      |
| Upper Main Stem Susquehanna | 3                  | 3            | 0               | 0            | 0              | 0                      |
| West Branch Susquehanna     | 0                  | 0            | 0               | 0            | 0              | 0                      |

**Floods by NWS Weather Forecast Offices**

| <b>Forecast Office</b>  | <b>Fcst Points</b> | <b>Minor</b> | <b>Moderate</b> | <b>Major</b> | <b>Unknown</b> | <b>Mod &amp; Major</b> |
|-------------------------|--------------------|--------------|-----------------|--------------|----------------|------------------------|
| Blacksburg, VA (RNK)    | 0                  | 0            | 0               | 0            | 0              | 0                      |
| Binghamton, NY (BGM)    | 15                 | 12           | 3               | 0            | 0              | 3                      |
| Brookhaven, NY (OKX)    | 2                  | 0            | 1               | 1            | 0              | 2                      |
| Philadelphia, PA (PHI)  | 27                 | 13           | 8               | 6            | 0              | 14                     |
| State College, PA (CTP) | 4                  | 2            | 2               | 0            | 0              | 2                      |
| Sterling, VA (LWX)      | 1                  | 1            | 0               | 0            | 0              | 0                      |
| Wakefield, VA (AKQ)     | 0                  | 0            | 0               | 0            | 0              | 0                      |

