

April 13 - 16, 2020 Preliminary Flood Summary

| Delaware | | Above FS (ft) | Crest (ft) | Streamflow (cfs) | Below FS (ft) | Category (ft) | Record (ft) - (cfs) |
|---|-----------|--|--------------|------------------|---------------|-----------------|---------------------|
| <u>Cooks Falls, New York - (CKFN6)</u> | | Flood = 10.0 | 10.75 | 12,100 | Flood = 10.0 | 10.0 (minor) | 20.55 |
| Beaver Kill - (WFO BGM) | 4/13/2020 | April 13, 2020 21:05:00 EST | | | 4/13/2020 | 16.0 (moderate) | 62,400 |
| Gage & Town/Delaware County | 19:05 | | | | 23:00 | 18.0 (major) | June 28, 2006 |
| James | | Above FS (ft) | Crest (ft) | Streamflow (cfs) | Below FS (ft) | Category (ft) | Record (ft) - (cfs) |
| <u>Buchanan, Virginia - (BNNV2)</u> | | Flood = 17.0 | 17.09 | 32,800 | Flood = 17.0 | 17.0 (minor) | 38.84 |
| James River - (WFO RNK) | 4/13/2020 | April 14, 2020 00:45:00 EST | | | 4/14/2020 | 21.0 (moderate) | 179,000 |
| Gage & Town/Botetourt County | 23:45 | | | | 3:05 | 26.0 (major) | November 5, 1985 |
| <u>Palmyra, Virginia - (PYAV2)</u> | | Flood = 17.0 | 17.37 | 11,500 | Flood = 17.0 | 17.0 (minor) | 39.85 |
| Rivanna River - (WFO AKQ) | 4/14/2020 | April 14, 2020 2:10:00 EST | | | 4/14/2020 | 25.0 (moderate) | 86,000 |
| Gage & Town/Fluvanna County | 0:20 | | | | 2:42 | 32.0 (major) | August 20, 1969 |
| <u>Richmond, Virginia - (RMDV2)</u> | | Flood = 12.0 | 14.60 | 62,700 | Flood = 12.0 | 12.0 (minor) | 28.62 |
| James River - (WFO AKQ) | 4/14/2020 | April 14, 2020 22:00:00 EST | | | 4/16/2020 | 15.0 (moderate) | 313,000 |
| Gage & Town/Independent City/Henrico County | 5:50 | | | | 6:00 | 22.0 (major) | June 23, 1972 |
| <u>Richmond City Locks, Virginia - (RICV2)</u> | | Flood = 8.0 | 10.33 | M | Flood = 8.0 | 8.0 (minor) | 36.50 |
| James River - (WFO AKQ) | 4/14/2020 | April 15, 2020 1:18:00 EST | | | 4/16/2020 | 19.0 (moderate) | not available |
| Gage & Town/Independent City/Henrico County | 9:55 | | | | 1:50 | 28.0 (major) | June 23, 1972 |
| 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 | 9.38 | 5,760 | Flood = 9.0 | 9.0 (minor) | 17.15 |
| Brandywine Creek/Christina Basin - (WFO PHI) | 4/13/2020 | April 13, 2020 21:30:00 EST | | | 4/13/2020 | 11.0 (moderate) | 26,900 |
| Gage & Town/Delaware County | 18:30 | | | | 23:50 | 13.0 (major) | September 17, 1999 |

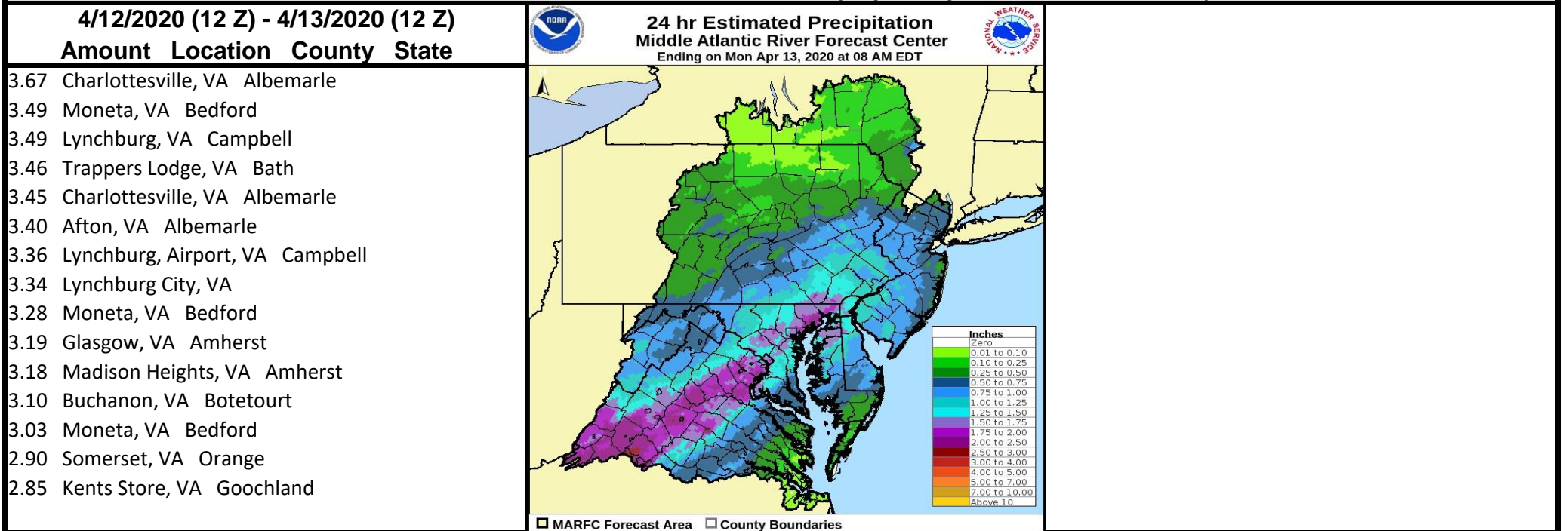
Crest Statistics

Flooding - 4/13/2020 - 4/16/2020
 Crests - 4/13/2020 - 4/15/2020
 First flood of 2 - April, 2020
 Fourth flood in 2020
 Number of MARFC Forecast Points Flooding - 6
 Number of Floods Cresting in **Minor** Range - 6
 Number of Floods Cresting in **Moderate** Range - 0
 Number of Floods Cresting in **Major** Range - 0
 Number of Floods Cresting in **Missing** Range - 0
MARFC Power Ranking - 6 (Minor = 1 - Moderate = 5 - Major = 10 - Missing =1)
 Number of MARFC records - 0
 E = Estimated

Weather Summary

Low pressure moved northeast through the Ohio Valley into southern Ontario bringing a swath of heavy rain from southwest Virginia northeastward into New Jersey. Some minor flooding occurred in the James River basin of Virginia as well as in southeast Pennsylvania.

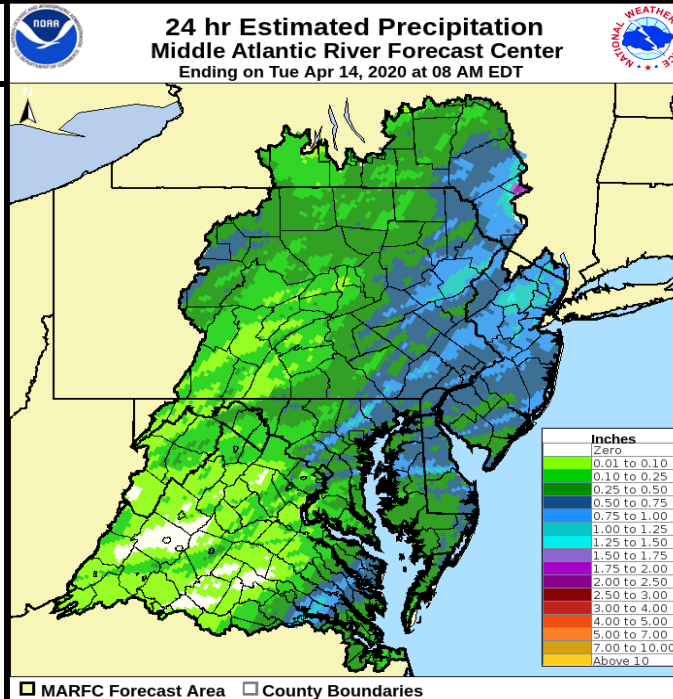
TOP 24-HOUR PRECIPITATION AMOUNTS (Liquid Equivalent and in inches)



TOP 24-HOUR PRECIPITATION AMOUNTS (Liquid Equivalent and in inches)

4/13/2020 (12 Z) - 4/14/2020 (12 Z)
Amount Location County State

| | | | |
|------|-------------------|-------------|--|
| 2.40 | Walnutport, PA | Northampton | |
| 2.36 | Canadensis, PA | Monroe | |
| 2.07 | Kresgeville, PA | Monroe | |
| 2.04 | Wanaque Dam, NJ | Passaic | |
| 1.98 | Ringwood, NJ | Passaic | |
| 1.96 | Ironia, NJ | Morris | |
| 1.96 | Ringwood, NJ | Passaic | |
| 1.90 | Ashoken, NY | Ulster | |
| 1.81 | Boonton Twp., NJ | Morris | |
| 1.78 | Rockaway, NJ | Morris | |
| 1.76 | Morris Plains, NJ | Morris | |
| 1.73 | Harleysville, PA | Montgomery | |
| 1.72 | Schnecksville, PA | Lehigh | |
| 1.69 | Little Falls, NJ | Passaic | |
| 1.68 | Essex Fells, NJ | Essex | |
| 1.68 | Chester, PA | Chester | |



| 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 | 1 | 1 | 0 | 0 | 0 | 0 |
| James | 4 | 4 | 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 | 0 | 0 | 0 | 0 | 0 | 0 |
| Potomac | 0 | 0 | 0 | 0 | 0 | 0 |
| Rappahannock | 0 | 0 | 0 | 0 | 0 | 0 |
| Raritan | 0 | 0 | 0 | 0 | 0 | 0 |
| SE PA and Delaware (state) | 1 | 1 | 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) | 1 | 1 | 0 | 0 | 0 | 0 |
| Binghamton, NY (BGM) | 1 | 1 | 0 | 0 | 0 | 0 |
| Brookhaven, NY (OKX) | 0 | 0 | 0 | 0 | 0 | 0 |
| Philadelphia, PA (PHI) | 1 | 1 | 0 | 0 | 0 | 0 |
| State College, PA (CTP) | 0 | 0 | 0 | 0 | 0 | 0 |
| Sterling, VA (LWX) | 0 | 0 | 0 | 0 | 0 | 0 |
| Wakefield, VA (AKQ) | 3 | 3 | 0 | 0 | 0 | 0 |
| | | | | | | |