

## July 21 - July 27, 2018 Preliminary Flood Summary

<b>Delaware</b>						
	Above FS (ft)	Crest (ft)	Streamflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
<a href="#"><u>Cooks Falls, New York - (CKFN6)</u></a>	Flood = 10.0	<b>11.36</b>	<b>13,600</b>	Flood = 10.0	10.0 (minor)	20.55
Beaver Kill - (WFO BGM)	7/26/2018	<b>July 26, 2018 2:30:00 EST</b>		7/26/2018	16.0 (moderate)	62,400
Gage & Town/Delaware County	1:00			4:40	18.0 (major)	June 28, 2006
<b>Juniata Basin</b>						
	Above FS (ft)	Crest (ft)	Streflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
<a href="#"><u>Shirleysburg, Pennsylvania - (SLYP1)</u></a>	Flood = 10.0	<b>10.53</b>	<b>6,270</b>	Flood = 10.0	10.0 (minor)	19.46
Aughwick Creek - (WFO CTP)	7/23/2018	<b>July 23, 2018 22:15:00 EST</b>		7/24/2018	12.0 (moderate)	44,400
Gage & Town/Huntingdon County	18:15			3:15 AM	20.0 (major)	January 19, 1996
<a href="#"><u>Shirleysburg, Pennsylvania - (SLYP1)</u></a>	Flood = 10.0	<b>10.53</b>	<b>6,270</b>	Flood = 10.0	10.0 (minor)	19.46
Aughwick Creek - (WFO CTP)	7/25/2018	<b>July 26, 2018 3:20:00 EST</b>		7/26/2018	12.0 (moderate)	44,400
Gage & Town/Huntingdon County	23:00			6:50 AM	20.0 (major)	January 19, 1996
<b>Potomac</b>						
	Above FS (ft)	Crest (ft)	Streflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
<a href="#"><u>Dawsonville, Maryland - (DAWM2)</u></a>	Flood = 7.5	<b>10.82</b>	<b>6,710</b>	Flood = 7.5	7.5 (minor)	16.40
Seneca Creek - (WFO LWX)	7/21/2018	<b>July 22, 2018 1:15:00 EST</b>		7/22/2018	11.0 (moderate)	26,100
Gage & Town/Montgomery County	20:30			12:30	16.0 (major)	June 22, 1972
<a href="#"><u>Frederick, Maryland - (FDKM2)</u></a>	Flood = 15.0	<b>17.62</b>	<b>20,700</b>	Flood = 15.0	15.0 (minor)	35.90
Monocacy River - (WFO LWX)	7/22/2018	<b>July 22, 2018 23:15:00 EST</b>		7/23/2018	17.0 (moderate)	81,600
Gage & Town/Frederick County	5:40			7:00	20.0 (major)	June 23, 1972
<b>Southeast PA &amp; Delaware</b>						
	Above FS (ft)	Crest (ft)	Streflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
<a href="#"><u>Chadds Ford, Pennsylvania - (CDFP1)</u></a>	Flood = 9.0	<b>10.02</b>	<b>6,610</b>	Flood = 9.0	9.0 (minor)	17.15
Brandywine Creek/Christina Basin - (WFO PHI)	7/23/2018	<b>July 23, 2018 12:30:00 EST</b>		7/23/2018	11.0 (moderate)	26,900
Gage & Town/Delaware County	8:45			14:40	13.0 (major)	September 17, 1999
<b>Susquehanna (Lower Main Stem)</b>						
	Above FS (ft)	Crest (ft)	Streflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
<a href="#"><u>Camp Hill, Pennsylvania - (CPHP1)</u></a>	Flood = 7.0	<b>7.89</b>	<b>2,960</b>	Flood = 7.0	7.0 (minor)	18.77
Yellow Breeches Creek - (WFO CTP)	7/24/2018	<b>July 25, 2018 7:15:00 EST</b>		7/25/2018	9.0 (moderate)	19,300
Gage & Town/Cumberland County	23:10			12:30	13.0 (major)	September 26, 1975
<a href="#"><u>Camp Hill, Pennsylvania - (CPHP1)</u></a>	Flood = 7.0	<b>8.66</b>	<b>3,450</b>	Flood = 7.0	7.0 (minor)	18.77
Yellow Breeches Creek - (WFO CTP)	7/25/2018	<b>July 26, 2018 19:15:00 EST</b>		7/27/2018	9.0 (moderate)	19,300
Gage & Town/Cumberland County	20:35			8:10	13.0 (major)	September 26, 1975

<b><u>Conowingo, Maryland - (CNWM2)</u></b>	Flood = 23.5	<b>26.08</b>	<b>375,000</b>	Flood = 23.5	23.5 (minor)	36.83
Susquehanna River - (WFO PHI)	7/26/2018	<b>July 26, 2018 13:30:00 EST</b>		7/27/2018	24.8 (moderate)	1,130,000
Gage/Harford County - Town/Cecil County	5:35			14:30	28.5 (major)	June 24, 1972
<b><u>Harper Tavern, Pennsylvania - (HTVP1)</u></b>	Flood = 9.0	<b>17.15</b>	<b>22,000</b>	Flood = 9.0	9.0 (minor)	25.60
Swatara Creek - (WFO CTP)	7/23/2018	<b>July 25, 2018 13:00:00 EST</b>		7/27/2018	12.0 (moderate)	88,000
Gage & Town/Lebanon County	5:05			5:05	15.0 (major)	June 1, 1889
<b><u>Harrisburg, Pennsylvania - (HARP1)</u></b>	Flood = 17.0	<b>17.32</b>	<b>318,000</b>	Flood = 17.0	17.0 (minor)	33.27
Susquehanna River - (WFO CTP)	7/26/2018	<b>July 26, 2018 14:30:00 EST</b>		7/26/2018	20.0 (moderate)	1,020,000
Gage & Town/Dauphin County	7:30			20:30	23.0 (major)	June 24, 1972
<b><u>Hershey, Pennsylvania - (HERP1)</u></b>	Flood = 7.0	<b>17.08</b>	<b>30,500</b>	Flood = 7.0	7.0 (minor)	27.22
Swatara Creek - (WFO CTP)	7/23/2018	<b>July 26, 2018 00:30:00 EST</b>		7/27/2018	10.0 (moderate)	96,900
Gage & Town/Dauphin County	10:25			13:25	14.0 (major)	September 8, 2011
<b><u>Hogestown, Pennsylvania - (HGSP1)</u></b>	Flood = 8.0	<b>8.16</b>	<b>6,250</b>	Flood = 8.0	8.0 (minor)	17.01
Conodoguinet Creek - (WFO CTP)	7/24/2018	<b>July 25, 2018 1:30:00 EST</b>		7/25/2018	10.0 (moderate)	33,700
Gage & Town/Cumberland County	21:00			4:55	12.0 (major)	June 23, 1972
<b><u>Hogestown, Pennsylvania - (HGSP1)</u></b>	Flood = 8.0	<b>10.10</b>	<b>9,690</b>	Flood = 8.0	8.0 (minor)	17.01
Conodoguinet Creek - (WFO CTP)	7/25/2018	<b>July 26, 2018 9:45:00 EST</b>		7/27/2018	10.0 (moderate)	33,700
Gage & Town/Cumberland County	8:30			7:15	12.0 (major)	June 23, 1972
<b><u>Marietta, Pennsylvania - (MRTP1)</u></b>	Flood = 49.0	<b>50.93</b>	<b>362,000</b>	Flood = 49.0	49.0 (minor)	64.54
Susquehanna River - (WFO CTP)	7/26/2018	<b>July 26, 2018 14:45:00 EST</b>		7/27/2018	52.0 (moderate)	1,080,000
Gage & Town/Lancaster County	0:50			9:40	54.0 (major)	June 23, 1972
<b><u>Middletown, Pennsylvania - (MTLP1)</u></b>	Flood = 11.0	<b>16.19</b>	<b>M</b>	Flood = 11.0	11.0 (minor)	28.45
Swatara Creek - (WFO CTP)	7/24/2018	<b>July 26, 2018 6:30:00 EST</b>		7/27/2018	15.0 (moderate)	not available
Gage & Town/Dauphin County	1:40			20:40	18.0 (major)	June 23, 1972
<b><u>Penns Creek, Pennsylvania - (PNCP1)</u></b>	Flood = 8.0	<b>8.12</b>	<b>5,860</b>	Flood = 8.0	8.0 (minor)	14.85
Penns Creek/Basin - (WFO CTP)	7/24/2018	<b>July 24, 2018 20:20:00 EST</b>		7/24/2018	10.0 (moderate)	34,600
Gage/Union County - Town/Snyder County	18:50			22:45	12.0 (major)	June 23, 1972
<b><u>Penns Creek, Pennsylvania - (PNCP1)</u></b>	Flood = 8.0	<b>9.35</b>	<b>7,720</b>	Flood = 8.0	8.0 (minor)	14.85
Penns Creek/Basin - (WFO CTP)	7/25/2018	<b>July 26, 2018 5:15:00 EST</b>		7/26/2018	10.0 (moderate)	34,600
Gage/Union County - Town/Snyder County	2:45			15:00	12.0 (major)	June 23, 1972

### Crest Statistics

Flooding - 7/21/2018 - 7/27/2018

Crests - 7/22/2018 - 7/26/2018

First flood of 1 - July, 2018

Sixteenth flood in 2018

Number of MARFC Forecast Points Flooding - 18

Number of Floods Cresting in **Minor** Range - 12

Number of Floods Cresting in **Moderate** Range - 4

Number of Floods Cresting in **Major** Range - 2

Number of Floods Cresting in **Missing** Range - 0

**MARFC Power Ranking** - 52 (Minor = 1 - Moderate = 5 - Major = 10 - Missing =1)

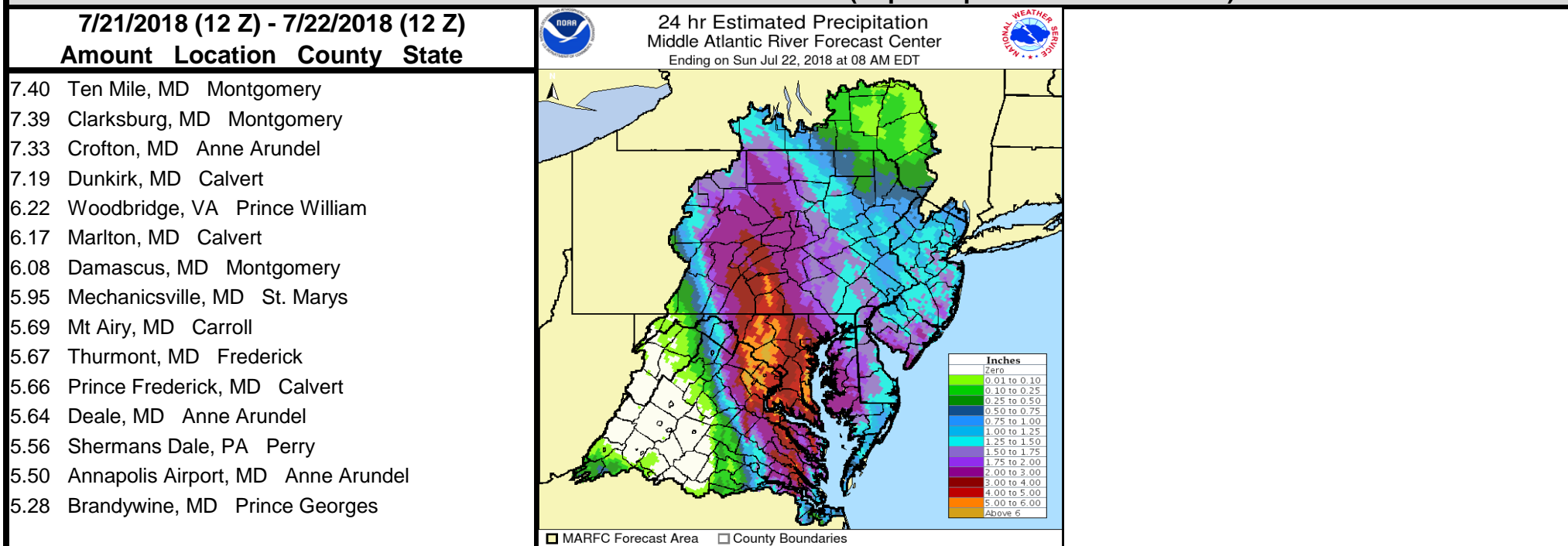
Number of MARFC records - 0

E = Estimated

## Weather Summary

An unusually deep trough established itself in the Midwest and Ohio Valley leaving the Mid-Atlantic in a persistent south-southeast wind flow off of the Atlantic Ocean. This pattern began with an unusually strong coastal low that moved from the Carolinas north-northwest through Pennsylvania leaving a strip of 4 to over 7 inches of rainfall. Then for several days, this nearly stationary weather pattern allowed bands of heavy rainfall to move over the same areas. 24 MARFC observing locations recorded 10 inches or more rainfall with a maximum of 16.74 inches at Dehart Dam in Pennsylvania.

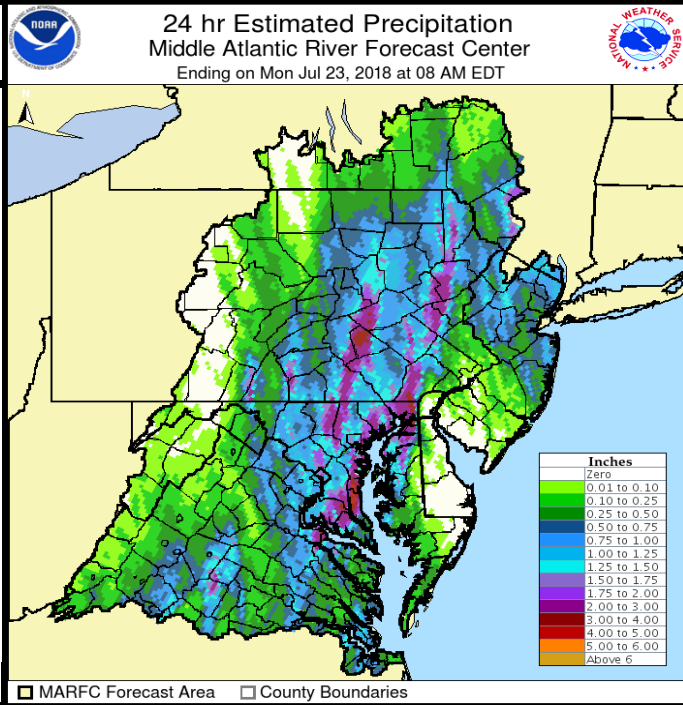
### TOP 24-HOUR PRECIPITATION AMOUNTS (Liquid Equivalent and in inches)



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

**7/22/2018 (12 Z) - 7/23/2018 (12 Z)**  
**Amount Location County State**

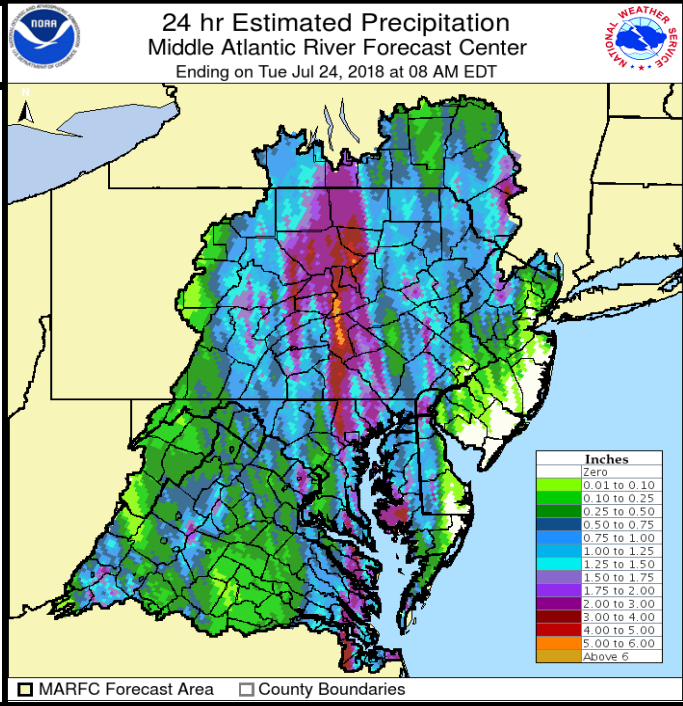
5.08	Dunkirk, MD	Calvert
3.70	Tannersville, NY	Greene
3.53	Mt Wolf, PA	York
3.27	Kresgeville, PA	Monroe
3.11	Fair Hill, MD	Cecil
3.07	Rock Hill, NY	Sullivan
3.00	Marlton, MD	Calvert
2.75	Mount Pocono, PA	Monroe
2.75	Glenmoore, PA	Chester
2.69	York, PA	York
2.66	Indian Rock Dam, PA	York
2.61	Westminster, MD	Carroll
2.60	Fayetteville, PA	Franklin
2.60	Brandywine, MD	Prince Georges
2.58	Reisterstown, MD	Baltimore



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

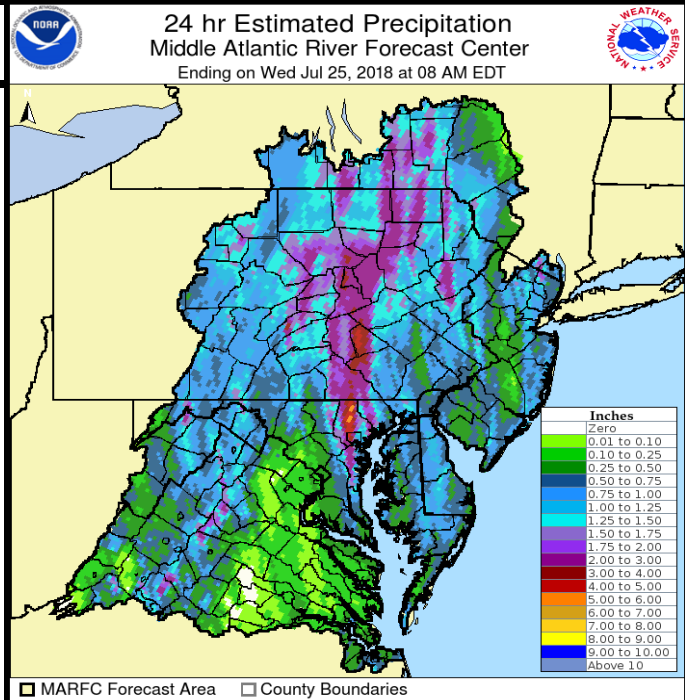
**7/23/2018 (12 Z) - 7/24/2018 (12 Z)**  
**Amount Location County State**

8.12	Dehart Dam, PA	Dauphin
7.14	Elizabethville, PA	Dauphin
6.77	Elizabethville, PA	Dauphin
5.50	Selinsgrove, PA	Snyder
5.10	Claryville, NY	Ulster
4.49	Paxtonia, PA	Dauphin
4.12	Neversink Reservoir, NY	Sullivan
4.00	Sunbury, PA	Northumberland
3.97	Pine Grove, PA	Schuylkill
3.96	Manada Gap, PA	Dauphin
3.80	Elizabethville, PA	Dauphin
3.60	Tannersville, NY	Greene
3.41	Muncy, PA	Lycoming
3.35	East Jewitt, NY	Greene
3.23	Middletown (Harrisburg Airport), PA	Dauphin



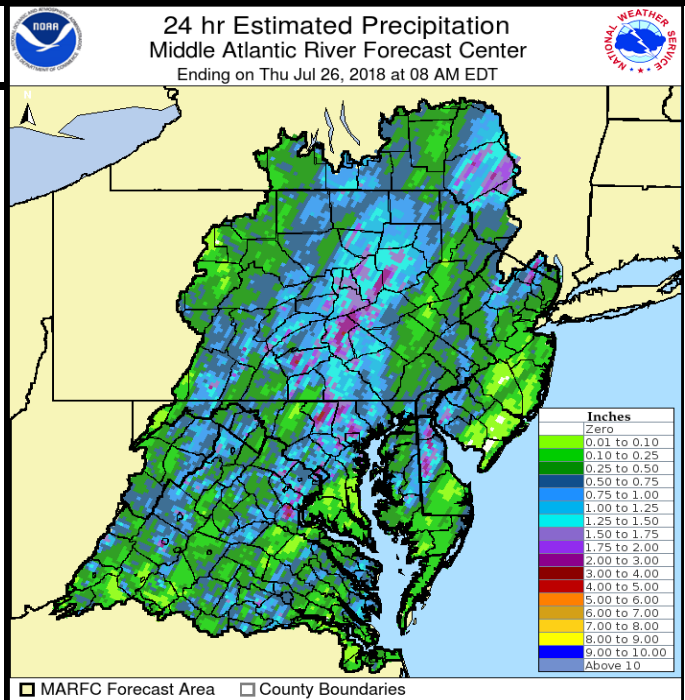
**TOP 24-HOUR PRECIPITATION AMOUNTS (Liquid Equivalent and in inches)**

7/24/2018 (12 Z) - 7/25/2018 (12 Z)			
Amount	Location	County	State
4.68	Hop Bottom, PA	Susquehanna	
3.24	Baltimore, MD	Baltimore	
3.10	Stanley, VA	Page	
3.01	Kingsville, MD	Baltimore	
2.85	Baltimore Airport, MD	Baltimore	
2.77	Mount Pocono, PA	Monroe	
2.77	Dunkirk, MD	Calvert	
2.72	Severn, MD	Anne Arundel	
2.69	Muncy, PA	Lycoming	
2.66	Tamaqua, PA	Schuylkill	
2.58	Pleasant Mount, PA	Wayne	
2.52	York, PA	York	
2.52	Cumberland, MD	Allegany	
2.51	Indian Rock Dam, PA	York	
2.51	Sunbury, PA	Northumberland	



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

7/25/2018 (12 Z) - 7/26/2018 (12 Z)			
Amount	Location	County	State
3.80	Cat Hollow, NY	Delaware	
3.18	Dehart Dam, PA	Dauphin	
2.85	Westminster, MD	Carroll	
2.82	Smyrna, DE	Kent	
2.81	Elysburg, PA	Northumberland	
2.59	Paxtonia, PA	Dauphin	
2.55	Poolesville, MD	Montgomery	
2.53	Ringwood, NJ	Passaic	
2.50	Paw Paw, WV	Morgan	
2.44	Ringwood, NJ	Passaic	
2.37	Staunton, VA	Augusta	
2.34	Orrtanna, PA	Adams	
2.23	Long Green, MD	Baltimore	
2.06	Pequea, PA	Lancaster	
2.04	Wawayanda, State Park, NJ	Sussex	



<b>Floods by MARFC Basins</b>						
<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	1	1	0	0	0	0
James	0	0	0	0	0	0
Juniata	2	2	0	0	0	0
Lehigh	0	0	0	0	0	0
Lower Main Stem Susquehanna	12	7	3	2	0	5
North Branch Susquehanna	0	0	0	0	0	0
Passaic	0	0	0	0	0	0
Potomac	2	1	1	0	0	1
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
<b>Floods by NWS Weather Forecast Offices</b>						
<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)	1	1	0	0	0	0
Brookhaven, NY (OKX)	0	0	0	0	0	0
Philadelphia, PA (PHI)	2	1	1	0	0	1
State College, PA (CTP)	13	9	2	2	0	4
Sterling, VA (LWX)	2	1	1	0	0	1
Wakefield, VA (AKQ)	0	0	0	0	0	0